



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 25085B1

Description: Med Soil Method Blan

Project No.: 2017720

Method: Med Soil GC Organics

Batch: 25085

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 03-Apr-03

Analyzed: 04-Apr-03 16:42

CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		2500

1 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.

4/8/2003 16:14 56

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water - LA000006
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 59002
Tennessee Dept. of Environment & Conservation/Div or UST (File)
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report Qualifiers

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

Phone: 504.469.0333
Fax: 504.469.0555

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Project No.: **2017720**

Analyte Qualifiers

Qualifier	Qualifier Description
G1	Interferences are present which caused poor surrogate recovery.
Ph	The relative percent difference between the two detectors is greater than 40%, indicating interference on one or more detectors. The higher of the two values is reported.

General Qualifiers

Qualifier	Qualifier Description
D1	The analysis was performed at a dilution due to the high analyte concentration.



CHAIN-OF-CUSTODY / Analytical Request Document

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

www.pacelabs.com

Required Client Information: **Section A**
 Company: Cherren
 Address: P.O. Box 4256
Houston, TX 77210

Required Client Information: **Section B**
 Report To: Seth Domangre (CRA)
 Copy To: BILL DELANGE (CHEYRON)
 Invoice To: Bill Delange (CHEYRON)
 P.O.:

739207

To Be Completed by Pace Analytical and Client
 Circle Reference: **Section C**

Client Information (Check quote/contract):
 Requested Due Date: STO
 TAT:
 * Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
 Turn Around Time (TAT) in calendar days

ITEM #	SAMPLE ID	Required Client Information:		MATRIX CODE	DATE COLLECTED mm / dd / yy	TIME COLLECTED hh mm a/p	# Containers	Preservatives							Remarks / Lab ID	
		MATRIX CODE	Valid Matrix Codes					Unpreserved	H ₂ O ₂	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Methanol		Other
1	SB01	WT	WT 9/27/03	WT	9/27/03	1410	4	X	X	X	X	X	X	X		
2	SB02					1420	4	X	X	X	X	X	X	X		
3	SB03					1440	4	X	X	X	X	X	X	X		
4	SB04					1425	4	X	X	X	X	X	X	X		
5	SB05					1435	4	X	X	X	X	X	X	X		
6	SB06			WT	9/27/03	1450	3	X	X	X	X	X	X	X		

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			1		David Beckley Pace	9/28/03	15:15	Annex W. J. Beckley Pace	9/28/03	15:15

Section D Required Client Information:

Project Name: 2929 COLLEGE DR. BPE LA
 Project Number: 56# 000109000

Project #:
 Profile #:

Requested Analyte:
BTEX/MTBE 821B
TPH-C80 8015B

Project Manager:
 Circle Reference:

Temp in °C: 39
 Received on Ice: Y/N
 Sealed Cooler: Y/N
 Samples Intact: Y/N

SAMPLE NOTES
CRA# 2-7453-00

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER:
 SIGNATURE of SAMPLER:
David Dickey
David Dickey

DATE Signed (MM/DD/YY)
03.27.03

BORING LOGS

BORING LOG

Project: Baseline Assessment
 Chevron Facility No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana
Client: Chevron Environmental Mgmt. Company
 Houston, Texas

No. SB-1

File No.: 27453-00
Date: 03/27/03
Drilling Co.: Walker-Hill
Supervisor: Jody Neal
Type Rig: Geoprobe 54
Logged by: TAR/DPD

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq. ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand probed: 0' to 4' Direct push technology (2" O.D.): 0' to 16' Start Time: 0905 Finish Time: 0945
	Liquid Limit (%)	Plastic Index (%)									
					1,740	2.0	X				6" Concrete
					1,890	1.0	X				Gray silty CLAY (CL), strong hydrocarbon odor
					485	1.0	X	5			
					3.7	1.5	X				-- brown, tan
					174	1.0	X	10			
					2.8	2.0	X				-- gray
					221	2.0	X				
					2.1	2.5	X	15	▽		
Boring terminated at 16' and grouted to the surface with a thick cement-bentonite mixture.											

Shelby Tube

Direct Push Sampler

Auger Cuttings

No Recovery

(1) Photovac 20/20

Stratification is Inferred And May Not be Exact.
 Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

Water First Noted

NP Non Plastic

• No Penetrometer or SPT Value

BORING LOG

Project: Baseline Assessment
 Chevron Facility No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana
Client: Chevron Environmental Mgmt. Company
 Houston, Texas

No. SB-2

File No.: 27453-00
Date: 03/27/03
Drilling Co.: Walker-Hill
Supervisor: Jody Neal
Type Rig: Geoprobe 54
Logged by: TAR/DPD

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand probed: 0' to 4'
	Liquid Limit (%)	Plastic Index (%)									Direct push technology (2" O.D.): 0' to 12'
					21.4	1.0	X				Start Time: 0950 Finish Time: 1020
					127	1.5	X				6" Concrete
					82	.	X	5			Gray, silty CLAY (CL), slight hydrocarbon odor
					86	1.0	X				Gray SAND (SC)
					3.4	.	X				Gray, silty CLAY (CL)
					<1.0	2.0	X	10	▽		-- brown/tan
							X	15			Boring terminated at 12' and grouted to the surface with a thick cement-bentonite mixture.

<ul style="list-style-type: none"> Shelby Tube Direct Push Sampler Auger Cuttings No Recovery 	<p>(1)Photovac 20/20</p> <p>Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure</p> <p>Conestoga-Rovers & Associates</p>	<ul style="list-style-type: none"> Water First Noted NP Non Plastic . No Penetrometer or SPT Value
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BORING LOG






Project: Baseline Assessment
 Chevron Facility No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana

Client: Chevron Environmental Mgmt. Company
 Houston, Texas

No. SB-3

File No.: 27453-00
Date: 03/27/03
Drilling Co.: Walker-Hill
Supervisor: Jody Neal
Type Rig: Geoprobe 54
Logged by: TAR/DPD

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand probed: 0' to 4' Direct push technology (2" O.D.): 0' to 12'
	Liquid Limit (%)	Plastic Index (%)									
					14.8	1.5	X				Start Time: 1100 Finish Time: 1115
					4.7	.	X				6" Concrete Gray silty CLAY with some SAND (FILL)
					4.9	2.0	X	5			Gray, silty CLAY (CL)
					8.7	1.5	X				
					<1.0	2.0	X				-- moist
					6.5	1.0	X				
					6.0	2.0	X	10	▽		
							X				Boring terminated at 12' and grouted to the surface with a thick cement-bentonite mixture.
							X	15			

	Shelby Tube	(1) Photovac 20/20		Water First Noted
	Direct Push Sampler			
	Auger Cuttings	Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure		
	No Recovery	Conestoga-Rovers & Associates		
			NP	Non Plastic
			.	No Penetrometer or SPT Value






BORING LOG

Project: Baseline Assessment
 Chevron Facility No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana
Client: Chevron Environmental Mgmt. Company
 Houston, Texas

No. SB-4

File No.: 27453-00
Date: 03/27/03
Drilling Co.: Walker-Hill
Supervisor: Jody Neal
Type Rig: Geoprobe 54
Logged by: TAR/DPD

LABORATORY TEST DATA				FIELD DATA				BORING DATA			
Moisture Content (%)	Atterberg Test			Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand probed: 0' to 4' Direct push technology (2" O.D.): 0' to 12' Start Time: 1015 Finish Time: 1055
	Liquid Limit (%)	Plastic Index (%)	% Finer than #200 Sieve								
					16.1	1.0	X	0			6" Concrete
					1.9	2.5	X	1			Gray, silty CLAY (CL)
					13.2	1.0	X	5			-- wet
					<1.0	2.0	X	6			-- brown/tan
					<1.0	1.0	X	7			
					<1.0	1.5	X	10	▽		
							X	11			
							X	12			Boring terminated at 12' and grouted to the surface with a thick cement-bentonite mixture.
							X	13			
							X	14			
							X	15			

	Shelby Tube	(1) Photovac 20/20		Water First Noted
	Direct Push Sampler			
	Auger Cuttings	Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure		
	No Recovery	Conestoga-Rovers & Associates		
			NP	Non Plastic
			.	No Penetrometer or SPT Value

BORING LOG

Project: Baseline Assessment
 Chevron Facility No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana
Client: Chevron Environmental Mgmt. Company
 Houston, Texas

No. SB-5

File No.: 27453-00
Date: 03/27/03
Drilling Co.: Walker-Hill
Supervisor: Jody Neal
Type Rig: Geoprobe 54
Logged by: TAR/DPD

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand probed: 0' to 4'
	Liquid Limit (%)	Plastic Index (%)									Direct push technology (2" O.D.): 0' to 12'
					2.9	1.5	X				Start Time: 1125 Finish Time: 1150
					<1.0	2.5	X	5			6" Concrete Tan, silty CLAY with gravel (FILL)
					<1.0	2.5	X				Gray, silty CLAY (CL)
					<1.0	2.0	X				-- moist
					<1.0	2.5	X	10	▽		-- brown/tan
					<1.0	2.5	X				Boring terminated at 12' and grouted to the surface with a thick cement-bentonite mixture.
								15			

<ul style="list-style-type: none"> Shelby Tube Direct Push Sampler Auger Cuttings No Recovery 	<p>(1)Photovac 20/20</p> <p>Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure</p> <p>Conestoga-Rovers & Associates</p>	<ul style="list-style-type: none"> Water First Noted NP Non Plastic • No Penetrometer or SPT Value
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BORING LOG

Project: Baseline Assessment
 Chevron Facility No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana
Client: Chevron Environmental Mgmt. Company
 Houston, Texas

No. SB-6

File No.: 27453-00
Date: 03/27/03
Drilling Co.: Walker-Hill
Supervisor: Jody Neal
Type Rig: Geoprobe 54
Logged by: TAR/DPD

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand probed: 0' to 4' Direct push technology (2" O.D.): 0' to 12' Start Time: 1320 Finish Time: 1350
	Liquid Limit (%)	Plastic Index (%)									
					<1.0	1.0	X				Brown, tan with silty clay, some sand and gravel (FILL)
					<1.0	.	X				
					<1.0	1.5	X				Gray, silty CLAY (CL)
					<1.0	2.0	X	5			-- moist
					<1.0	1.0	X				
					<1.0	1.5	X				-- brown, tan
					<1.0	2.0	X	10	▽		
								15			Boring terminated at 12' and grouted to the surface with a thick cement-bentonite mixture.

Shelby Tube

(1) Photovac 20/20

Water First Noted

Direct Push Sampler

Auger Cuttings

No Recovery

Stratification is Inferred And May Not be Exact.
 Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

NP Non Plastic

* No Penetrometer or SPT Value

Certificate of Precision Leak Test

DATE: 6/13/03
CERTIFICATE NO. I030616-007

LOCATION: CHEVRON STATION #109060
ADDRESS: 2929 COLLEGE DR.
CITY/STATE: BATON ROUGE, LA

CUSTOMER: TANKNOLOGY-NDE
ADDRESS: 8900 SHOAL CREEK BLVD.
CITY/STATE: AUSTIN, TX 78757

TANKS	PRODUCT	PASS/FAIL	LINES	PRODUCT	PASS/FAIL
1	UNLEADED	PASS	1	UNLEADED	PASS
2	UNLEADED	PASS	2	PLUS	PASS
3	PLUS	PASS	3	SUPER	PASS
4	SUPER	PASS			

LEAK DET. PRODUCT PASS/FAIL
 ELECTRONIC

IMPACT VALVE INSPECTION
 YES/NO: YES

TECHNICIAN: JAMIE COURVILLE
CERTIFICATION # 88-1449

TECHNICIAN: _____



SOUTHERN TANK TESTERS, INC.
P.O. BOX 278
BREAUX BRIDGE, LA. 70517
(800) 648-0025

Certificate of Precision Leak Test

DATE: 6/13/03
CERTIFICATE NO. K030616-007

LOCATION: CHEVRON STATION #109060
ADDRESS: 2929 COLLEGE DR.
CITY/STATE: BATON ROUGE, LA

CUSTOMER: TANKNOLOGY-NDB
ADDRESS: 8900 SHOAL CREEK BLVD.
CITY/STATE: AUSTIN, TX 78757

TANKS	PRODUCT	PASS/FAIL	LINES	PRODUCT	PASS/FAIL
1	UNLEADED	PASS	1	UNLEADED	PASS
2	UNLEADED	PASS	2	PLUS	PASS
3	PLUS	PASS	3	SUPER	PASS
4	SUPER	PASS			

LEAK DET. PRODUCT PASS/FAIL
ELECTRONIC

IMPACT VALVE INSPECTION
YES/NO: YES

TECHNICIAN: JAMIE COURVILLE
CERTIFICATION # 88-1449

TECHNICIAN:



SOUTHERN TANK TESTERS, INC.
P.O. BOX 278
BREAUX BRIDGE, LA. 70517
(800) 648-0025

LINE TEST DATA SHEET

DATE: 6/13/03
 INVOICE TO: TANKNOLOGY-NDE
 LOCATION: CHEVRON STATION #109080
 ADDRESS: 2929 COLLEGE DR.
 CITY & ST: BATON ROUGE, LA

LINE #	1	LINE #	2	LINE #	3	LINE #		LINE #	
PROD.	UNLEADED	PROD.	PLUS	PROD.	SUPER	PROD.		PROD.	
P8I	48	P8I	48	P8I	48	P8I		P8I	
TIME	LEVEL	TIME	LEVEL	TIME	LEVEL	TIME	LEVEL	TIME	LEVEL
925	45	925	66	925	62				
940	43	940	65	940	61				
955	41	955	64	955	60				
1010	41	1010	63.5	1010	60				
1025	40	1025	63	1025	60				
1040	40	1040	63	1040	59				
1055	39	1055	63	1055	59				

TOTAL: -2 TOTAL: -1 TOTAL: -1 TOTAL: 0 TOTAL: 0
 RESULT: -0.0074 -0.0037 -0.0037 0 0
PASS PASS PASS

TYPE OF SYSTEM: SUBMERGED SUCTION

LEAK DETECTORS: YES NO ELECTRONIC


TEST INFORMATION						
SERIAL NUMBER	RESILIENCY (ML)	OPENING TIME/SEC	TEST LEAK RATE ML/HR.	FUNCTIONAL ELEMENT HOLDING PSI	METERING PSI	PASS FAIL
ELECTRONIC			3 Gal/Hour			
			3 Gal/Hour			
			3 Gal/Hour			
			3 Gal/Hour			
			3 Gal/Hour			
			3 Gal/Hour			

IMPACT VALVE INSPECTION

MPD #	SATISFACTORY	NON SATISFACTORY	COMMENTS:
1	X		
3	X		
5	X		
7	X		

COMMENTS: PERFORMED 3 GAL. LEAK TO TEST ELECTRONIC LEAK DETECTOR.

TECHNICIAN: JAMIE COURVILLE
 CERTIFICATION: 88-1449



**EZY 3 LOCATOR PLUS
PRESSURE CALCULATION & WATER SENSOR CALIBRATION & FINAL REPORT**

DATE:	<u>8/19/03</u>	TANK #:	<u>1</u>	PRODUCT:	<u>UNLEADED</u>
INVOICE TO:	<u>TANKNOLOGY-NDE</u>	TOTAL TANK VOL.:	<u>8728</u>		
LOCATION:	<u>CHEVRON STATION #109080</u>	PRODUCT VOL.:	<u>2460</u>		
ADDRESS:	<u>2829 COLLEGE DR.</u>	ULLAGE VOL.:	<u>7278</u>		
CITY & ST:	<u>BATON ROUGE, LA</u>				

PRESSURE SENSOR CALCULATION				TIME	PRESSURE	
<u>28</u>	X	<u>0.026</u>	=	<u>0.728</u>	PSI (1)	
Inches of Product		Weight of Product				
<u>0.5</u>	X	<u>0.036</u>	=	<u>0.318</u>	PSI (2)	
Line 1 + Line 2 = Total Positive Head Pressure in Tank				=	<u>0.746</u>	PSI (3)
<u>85</u>	X	<u>0.038</u>	=	<u>3.06</u>	PSI (4)	
Inches of Water Outside Tank						
TOTAL HEAD PRESSURE MINUS OUTSIDE WATER PRESSURE				=	<u>-2.314</u>	+/- PSI (5)
ALWAYS ADD .5 PSI				+	<u>-1.814</u>	PSI (6)
Note: If line 7 is less than .5 PSI - Line 7 shall be .5 PSI						
TEST PRESSURE				=	<u>0.5</u>	+/- PSI (7)

TIME	PRESSURE
Blower Started:	915
Test Pressure Reached:	930
Blower Turned Off:	940
Test Began:	941
Test Ended:	945

DEPTH OF GROUNDWATER DETERMINED:

BY: PROBE

WHERE: TANK BED

WATER SENSOR CALIBRATION			
Calibration #1	Calibration #2	Calibration #3	
ADDED: <u>50</u>	<u>50</u>	<u>50</u>	
AVERAGE: <u>50</u>			

Water Intrusion Test Period	BEGAN: <u>930</u>	ENDED: <u>950</u>
Calibration for Test Period:	<u>50</u>	<u>-3780</u>
Ave. Calibration	<u>0.013227513</u>	<u>-.05</u>
	<u>0.2848503</u>	<u>x50 = 14.242515</u>
		Min. Time of Test

**EZY 3 LOCATOR PLUS
MANUFACTURED BY: ESTABROOK'S, INC. (877) 368-7215**

FINAL REPORT

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

- TIGHT TANK**
THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FOURTH BY THE U.S. EPA.
- ULLAGE (DRY) PORTION LEAK**
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FOURTH BY THE U.S. EPA.
- BELOW PRODUCT LEVEL (WET) PORTION LEAK**
THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FOURTH BY THE U.S. EPA.

WATER SENSOR INDICATES: (CHECK ONLY ONE)

NO WATER INTRUSION	WATER INTRUSION	NOT APPLICABLE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRINT NAME: JAMIE COURVILLE CERTIFICATION # 88-1449

SIGN NAME: [Signature] EXPIRATION DATE: 9/19/04

TESTING FIRM: SOUTHERN TANK TESTERS, INC. TELEPHONE: (803) 648-0025

ADDRESS: P.O. BOX 278, BREAUX BRIDGE, LA 70517

**EZY 3 LOCATOR PLUS
PRESSURE CALCULATION & WATER SENSOR CALIBRATION & FINAL REPORT**

DATE:	<u>6/13/03</u>	TANK #:	<u>2</u>	PRODUCT:	<u>UNLEADED</u>
INVOICE TO:	<u>TANKNOLOGY-NDE</u>	TOTAL TANK VOL.:	<u>8728</u>		
LOCATION:	<u>CHEVRON STATION #108080</u>	PRODUCT VOL.:	<u>2453</u>		
ADDRESS:	<u>2928 COLLEGE DR.</u>	ULLAGE VOL.:	<u>7278</u>		
CITY & ST.:	<u>BATON ROUGE, LA</u>				

PRESSURE SENSOR CALCULATION				TIME	PRESSURE
<u>28.5</u>	X	<u>0.028</u>	=	<u>0.741</u>	PSI (1)
Inches of Product		Weight of Product			
<u>0</u>	X	<u>0.036</u>	=	<u>0</u>	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure in Tank			=	<u>0.741</u>	PSI (3)
<u>88</u>	X	<u>0.036</u>	=	<u>3.06</u>	PSI (4)
Inches of Water Outside Tank					
TOTAL HEAD PRESSURE MINUS OUTSIDE WATER PRESSURE			=	<u>-2.318</u>	+/- PSI (5)
ALWAYS ADD .5 PSI			+	<u>-1.818</u>	PSI (6)
Note: If Line 7 is less than .5 PSI - Line 7 shall be .5 PSI					
TEST PRESSURE			=	<u>0.5</u>	+/- PSI (7)

Blower Started:	915	0
Test Pressure Reached:	930	1.3
Blower Turned Off:	940	1.3
Test Began:	948	1.26
Test Ended:	980	1.23

DEPTH OF GROUNDWATER DETERMINED:

BY: PROBE

WHERE: TANK BED

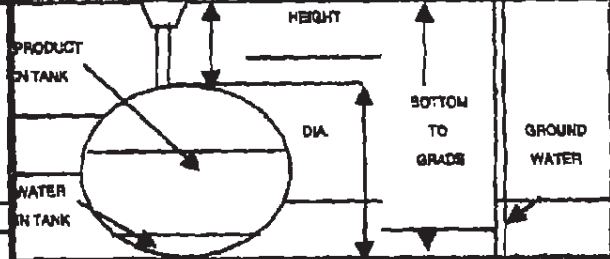
WATER SENSOR CALIBRATION

Calibration #1	Calibration #2	Calibration #3
ADDED: <u>50</u>	<u>50</u>	<u>50</u>
AVERAGE: <u>50</u>		

Water Intrusion Test Period: BEGAN: 990
ENDED: 990

Calibration for Test Period:
50 -3780 0.013227513 -.05 0.2845503 x60= 15.9

Ave. Calibration "A" Factor Min. Time of Test



**EZY 3 LOCATOR PLUS
MANUFACTURED BY: ESTABROOK'S, INC. (877) 368-7215**

FINAL REPORT

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

- TIGHT TANK**
THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FORTH BY THE U.S. EPA.
- ULLAGE (DRY) PORTION LEAK**
THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.
- BELOW PRODUCT LEVEL (WET) PORTION LEAK**
THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES: (CHECK ONLY ONE)

NO WATER INTRUSION	WATER INTRUSION	NOT APPLICABLE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRINT NAME: JAMIE COURVILLE CERTIFICATION # 88-1449

SIGN NAME: [Signature] EXPIRATION DATE: 9/18/04

TESTING FIRM: SOUTHERN TANK TESTERS, INC. TELEPHONE: (800) 648-0325

ADDRESS: P.O. BOX 278, BREAUX BRIDGE, LA 70517

**EZY 3 LOCATOR PLUS
PRESSURE CALCULATION & WATER SENSOR CALIBRATION & FINAL REPORT**

DATE:	<u>6/13/03</u>	TANK #:	<u>3</u>	PRODUCT:	<u>PLUS</u>
INVOICE TO:	<u>TANKNOLOGY-NDE</u>	TOTAL TANK VOL.:	<u>11827</u>		
LOCATION:	<u>CHEVRON STATION #109080</u>	PRODUCT VOL.:	<u>2282</u>		
ADDRESS:	<u>2929 COLLEGE DR.</u>	ULLAGE VOL.:	<u>9346</u>		
CITY & ST.:	<u>BATON ROUGE, LA</u>				

PRESSURE SENSOR CALCULATION				TIME	PRESSURE
22.6	X	0.026	=	0.685	PSI (1)
Inches of Product		Weight of Product			
1	X	0.036	=	0.036	PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure in Tank					
85	X	0.036	=	3.08	PSI (4)
Inches of Water Outside Tank					
TOTAL HEAD PRESSURE MINUS OUTSIDE WATER PRESSURE				=	-2.439 +/- PSI (5)
ALWAYS ADD .5 PSI				+	-1.939 PSI (6)
Note: If Line 7 is less than .5 PSI - Line 7 shall be .5 PSI					
TEST PRESSURE				=	0.5 +/- PSI (7)

Blower Started:	TIME	PRESSURE
Test Pressure Reached:	930	1.3
Blower Turned Off:	940	1.3
Test Began:	951	1.23
Test Ended:	955	1.2

DEPTH OF GROUNDWATER DETERMINED:

BY: PROBE

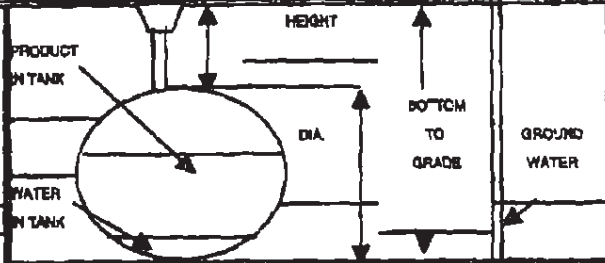
WHERE: TANK BED

WATER SENSOR CALIBRATION

Calibration #1	Calibration #2	Calibration #3
ADDED: 50	50	50
AVERAGE: 50		

Water Intrusion Test Period: BEGAN: 930
ENDED: 950

Calibration for Test Period:
50 -3780 0.013227513 -.06 0.2945503
 Ave. Calibration "A" Factor Min. Time of Test



**EZY 3 LOCATOR PLUS
MANUFACTURED BY: ESTABROOK'S, INC. (877) 386-7215**

FINAL REPORT

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

- TIGHT TANK**
THIS UNDERGROUND STORAGE TANK PASSES THE CRITERIA SET FOURTH BY THE U.S. EPA.
- ULLAGE (DRY) PORTION LEAK**
THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FOURTH BY THE U.S. EPA.
- BELOW PRODUCT LEVEL (WET) PORTION LEAK**
THIS UNDERGROUND STORAGE TANK FAILS THE CRITERIA SET FOURTH BY THE U.S. EPA.

WATER SENSOR INDICATES: (CHECK ONLY ONE)

NO WATER INTRUSION	WATER INTRUSION	NOT APPLICABLE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRINT NAME: JAMIE COURVILLE CERTIFICATION # 88-1449

SIGN NAME: [Signature] EXPIRATION DATE: 9/18/04

TESTING FIRM: SOUTHERN TANK TESTERS, INC. TELEPHONE: (800) 648-0025

ADDRESS: P.O. BOX 278, BREAUX BRIDGE, LA 70617

**EZY 3 LOCATOR PLUS
PRESSURE CALCULATION & WATER SENSOR CALIBRATION & FINAL REPORT**

DATE: 6/13/03
 INVOICE TO: TANKNOLOGY-NDE
 LOCATION: CHEVRON STATION #109080
 ADDRESS: 2929 COLLEGE DR.
 CITY & ST: BATON ROUGE, LA

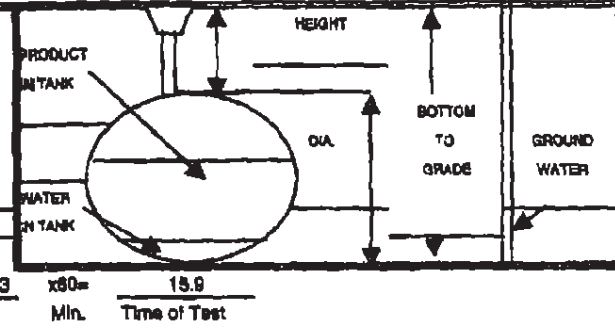
TANK #: 4 PRODUCT: SUPER
 TOTAL TANK VOL.: 9728
 PRODUCT VOL.: 2838
 ULLAGE VOL.: 7093

PRESSURE SENSOR CALCULATION			
<u>28.878</u>	X	<u>0.028</u>	= <u>0.78078</u> PSI (1)
Inches of Product		Weight of Product	
<u>0.875</u>	X	<u>0.038</u>	= <u>0.0315</u> PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure in Tank			= <u>0.78225</u> PSI (3)
<u>85</u>	X	<u>0.038</u>	= <u>3.06</u> PSI (4)
Inches of Water Outside Tank			
TOTAL HEAD PRESSURE MINUS OUTSIDE WATER PRESSURE			= <u>-2.27775</u> +/- PSI (5)
ALWAYS ADD .5 PSI			+ <u>-1.77775</u> PSI (6)
TEST PRESSURE			= <u>0.8</u> +/- PSI (7)

	TIME	PRESSURE
Blower Started:	<u>915</u>	<u>0</u>
Test Pressure Reached:	<u>930</u>	<u>1.3</u>
Blower Turned Off:	<u>945</u>	<u>1.3</u>
Test Began:	<u>956</u>	<u>1.2</u>
Test Ended:	<u>1000</u>	<u>1.17</u>

DEPTH OF GROUNDWATER DETERMINED:
 BY: PROBE
 WHERE: TANK BED

WATER SENSOR CALIBRATION			
Calibration #1	Calibration #2	Calibration #3	
ADDED: <u>50</u>	<u>50</u>	<u>50</u>	
AVERAGE: <u>50</u>			
Water Intrusion Test Period:	BEGAN: <u>930</u>	ENDED: <u>950</u>	
Calibration for Test Period:	<u>50</u>	<u>-3780</u>	<u>0.013227513</u>
Avg. Calibration		<u>.05</u>	<u>0.2645503</u>
		<u>'A' Factor</u>	<u>x80= 15.9</u>
			Min. Time of Test



**EZY 3 LOCATOR PLUS
MANUFACTURED BY: ESTABROOK'S, INC. (877) 368-7215**

FINAL REPORT

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

- TIGHT TANK**
 THIS UNDERGROUND STORAGE TANK **PASSES** THE CRITERIA SET FOURTH BY THE U.S. EPA.
- ULLAGE (DRY) PORTION LEAK**
 THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FOURTH BY THE U.S. EPA.
- BELOW PRODUCT LEVEL (WET) PORTION LEAK**
 THIS UNDERGROUND STORAGE TANK **FAILS** THE CRITERIA SET FOURTH BY THE U.S. EPA.

WATER SENSOR INDICATES: (CHECK ONLY ONE)

NO WATER INTRUSION	WATER INTRUSION	NOT APPLICABLE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PRINT NAME: JAMIE COURVILLE
 SIGN NAME: *Jamie Courville*
 TESTING FIRM: SOUTHERN TANK TESTERS, INC.
 ADDRESS: P.O. BOX 278, BREAUX BRIDGE, LA 70817

CERTIFICATION # 88-1449
 EXPIRATION DATE: 9/19/04
 TELEPHONE: (800) 648-0025

SOUTHERN TANK TESTERS, INC. FACILITY INSPECTION REPORT

DATE: 6/19/03
 INVOICE TO: TANKNOLOGY-NDE
 LOCATION: CHEVRON STATION #109060
 ADDRESS: 2929 COLLEGE DR.
 CITY/STATE: BATON ROUGE, LA

MONITORING WELLS Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	ATG:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
CHECK VALVE	<input type="checkbox"/>	<input type="checkbox"/>	Under Dispenser	<input type="checkbox"/>	On Tank
TYPE OF SYSTEM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Submerged	<input type="checkbox"/>	Suction
Water In Sub/Pump Box	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes (VACUUM TRUCK)	<input type="checkbox"/>	No

LIST CONDITION	NOT		COMMENTS:
	SATISFACTORY	SATISFACTORY	
SUBPUMP COVER	X		
SUBPUMP (GENERAL)	X		
O/S PROTECTION	X		
O/F PROTECTION	X		
FILL COVER	X		
FILL CAP	X		
FILL CAP SEAL	X		
DROP TUBE	X		
VR COVER	X		
VR CAP	X		
VR CAP SEAL	X		
VR DRY BREAK	X		
V/H VENT CAP	X		
VENT PIPE	X		
VENT CAP	X		
DISPENSER (GENERAL)	X		
IMPACT VALVES	X		
HOSES & NOZZLES	X		
LEAK DETECTOR	X		
GENERAL INSPECTION	X		

Any of the above listed conditions which are found not satisfactory or not present must be distinguished by product in comment section.

COMMENTS: _____

TECHNICIAN: JAMIE COURVILLE



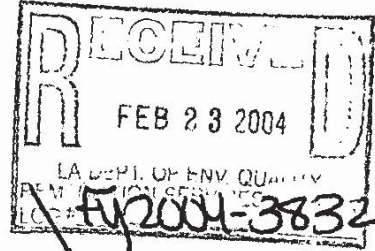
**CONESTOGA-ROVERS
& ASSOCIATES**

4915 S. Sherwood Forest Blvd., Baton Rouge, LA 70816
Telephone: 225.292.9007 Facsimile: 225.292.3614
www.CRAworld.com

February 19, 2004

Reference No. 27453-01 (3)

Mr. Keith L. Casanova, Administrator
Louisiana Department of Environmental Quality
Remediation Services Division
P.O. Box 4314
Baton Rouge, Louisiana 70821-4314



Dear Mr. Casanova:

Re: Additional Site Investigation Report
Chevron Service Station No. 60109060
2929 College Drive
Baton Rouge, Louisiana
Facility UST I. D. No.: 17-001998
Incident I.D. No.: 60402
Agency Interest No.: 20619

Remediation Services Division	
Manager:	<i>Y. Allen</i>
Team Leader:	<i>Pruett</i>
AI #:	<i>20619</i>
TEMPO Task #:	
<input type="checkbox"/> Desk Copy	<input checked="" type="checkbox"/> File Room <i>UST</i>

Conestoga-Rovers & Associates (CRA), as environmental consultant for Chevron Environmental Management Company (Chevron), herewith submits three copies of the Additional Site Investigation Report for the above-referenced site.

Should you have any questions regarding this submittal, please contact CRA.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

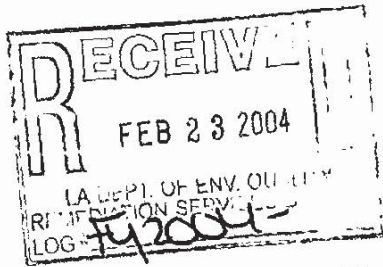
Seth P. Domangue
Seth P. Domangue

Thomas B. Powers
Thomas B. Powers, PG

SPD/jpw/3
Encl.

c.c.: David Gardner, Chevron Environmental Management Company

REGISTERED COMPANY
Equal Employment Opportunity Employer
ISO 9001
ENGINEERING DESIGN



Jurisdiction Services Division	
Manager	<i>Jalyl</i>
Team Leader	<i>Pratt</i>
AI #	<i>20619</i>
TEMPO Task #	
<input type="checkbox"/> Desk Copy	<input type="checkbox"/> File Room <i>UST</i>

ADDITIONAL SITE INVESTIGATION

Chevron Service Station No. 60109060
2929 College Drive
Baton Rouge, East Baton Rouge Parish, Louisiana
Facility UST I.D. No.: 17-001998
Incident I.D. No.: 60402
Agency Interest No.: 20619

for

Chevron Environmental Management Company
Houston, Texas

JANUARY 2004
Ref. 27453-01 (3)

CONESTOGA-ROVERS & ASSOCIATES
4915 S. Sherwood Forest Blvd.
Baton Rouge, LA 70816
(225)292-9007 Office; (225)292-3614 Fax

EXECUTIVE SUMMARY

Conestoga-Rovers & Associates (CRA) has completed an Additional Site Investigation (ASI) for Chevron Environmental Management Company (Chevron) at Chevron Service Station No. 60109060 located at 2929 College Drive in Baton Rouge, East Baton Rouge Parish, Louisiana. This investigation was conducted to further delineate the extent of hydrocarbon impact in the subsurface detected during a previously conducted Baseline Site Assessment. A summary of CRA's work and findings follows:

- The site is and active service station located in an area of light commercial development.
- Four monitor wells (MW-1 through MW-4) and two soil borings (SB-7 and GT-1) were installed to a maximum depth of 14 feet.
- Soil and groundwater samples were collected from each boring and/or monitor well and were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX); methyl tertiary-butyl ether (MTBE); and total petroleum hydrocarbons-gasoline range organics (TPH-GRO). One soil sample was further analyzed for synthetic precipitation leaching procedure (SPLP) benzene and TPH-GRO. A geotechnical sample was collected from soil boring GT-1.
- Analytical results, for samples collected during the ASI, indicated MTBE and TPH-GRO concentrations in soil and groundwater exceeding the Louisiana Department of Environmental Quality's (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option (SO) Screening Standards (SS), October 20, 2003, version. In addition, historical soil and groundwater MTBE samples, collected during previous site investigations, were also above the latest RECAP SS.

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1.0 INTRODUCTION

1.1 GENERAL

Conestoga-Rovers & Associates (CRA) has conducted an Additional Site Investigation (ASI) at Chevron Service Station No. 60109060 located at the intersection of College Drive and I-10 in Baton Rouge, East Baton Rouge Parish, Louisiana. The site is an active Chevron service station.

1.2 BACKGROUND

In March 2003, CRA, at the request of Chevron Environmental Management Company (Chevron), conducted a Baseline Site Assessment. The purpose of the assessment was to evaluate subsurface conditions prior to Chevron's divestment of the property. Analytical results for soil and groundwater samples indicated that hydrocarbon impact was present at the site. The ASI was requested by the Louisiana Department of Environmental Quality (LDEQ) in correspondence dated August 14, 2003, in response to Chevron's notification of a suspected hydrocarbon release at the site.

1.3 PURPOSE AND SCOPE

The purpose of the additional investigation was to further delineate the extent of the subsurface hydrocarbon impact and to collect data necessary to evaluate the site utilizing the LDEQ's Risk Evaluation/Corrective Action Program (RECAP), October 20, 2003, version as an option to expedite site closure.

In an effort to assess subsurface conditions and hydrocarbon impact, CRA's scope of work included the following:

- Installing six soil exploration borings (MW-1 through MW-4, SB-7, and GT-1) to a maximum depth of 14 feet below ground surface (bgs) using direct-push technology/hollow-stem augers.
- Collecting representative soil samples continuously (2-foot intervals) for inspection and characterization of soil types and stratigraphy from the borings.

- Inspecting and classifying soil samples in the field and conducting headspace screening of the soil samples for petroleum hydrocarbon vapors using a portable photoionization detector (PID).
- Submitting a soil sample from soil boring GT-1 representative of each distinct lithology for geotechnical characterization.
- Submitting a minimum of two soil samples from each of the borings to Pace Analytical Laboratory (Pace) of St. Rose, LA for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by U.S. Environmental Protection Agency (EPA) Method 8260; and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) by EPA Method 8015B. In addition, soil samples with individual constituent concentrations exceeding their respective RECAP Screening Standards (SS) were further analyzed for Synthetic Precipitation Leaching Procedure (SPLP).
- Completing four of the borings as 2-inch diameter monitor wells (MW-1 through MW-4) using casing and 0.01-inch slotted screen constructed of schedule-40 PVC. The monitor wells were surface completed with concrete and flush-mounted protective covers to prevent tampering and vehicular damage.
- Developing, purging, and sampling groundwater from the newly installed monitor wells (MW-1 through MW-4) and soil boring SB-7 for submittal to Pace for laboratory analyses of BTEX, MTBE, and TPH-GRO by the aforementioned methods.
- Conducting hydraulic conductivity tests (slug-out) in two of the newly installed monitor wells in order to define parameters used to calculate groundwater yield.
- Surveying the top-of-casing elevations in order to collect potentiometric groundwater elevation data. The vertical elevations of the ground surface and top-of-casing at each monitor well location are based on a project bench mark with an assigned elevation of 100.00 feet.
- Evaluating and compiling field observations and laboratory analytical data into a report documenting boring installations, soil and groundwater sampling, and analytical data.

2.0 SITE CHARACTERISTICS

2.1 SITE AND SURROUNDING LAND USE DESCRIPTIONS

The site is an active self-service motor fuel retail facility located on the southeast corner of the intersection of College Drive and I-10 Frontage Road (Constitution Avenue). The approximate 1.1-acre site consists of a station building, a car wash, and four dispenser islands, covered by a canopy. Four underground storage tanks (USTs) are located on the northwestern portion of the site. Figure 1 is a site plan depicting the layout of the facility and soil boring/monitor well locations.

Surrounding land use consists of predominantly commercial development.

3.0 SOIL AND GROUNDWATER ENVIRONMENTAL ASSESSMENT

3.1 DRILLING AND SOIL SAMPLING

Six soil borings (MW-1 through MW-4, SB-7, and GT-1) were installed on November 18 and December 3, 2003, to further delineate hydrocarbon impact in the subsurface. The boring locations are shown on the site plan (Figure 1). Prior to installation, each boring location was checked and cleared of utilities to a depth of four feet using a hand probe. Soil borings were installed by CRA's subcontractors, Walker-Hill Environmental, Inc. of Columbia, Mississippi and Crescent Geotechnical Services, Inc. of Ponchatoula, Louisiana. The borings were advanced using either a tractor-mounted hydraulically advanced sampling probe or hollow-stem augers with a split-spoon sampling device. Prior to the initiation of the borings, the drilling and sampling equipment were thoroughly cleaned.

Soil samples were collected at two-foot intervals from the surface to the completion depth of each boring using the hydraulically advanced barrel sampler with new, clean, disposable acetate liners. The soil borings were advanced until groundwater was encountered. Details of the soils encountered during sampling activities, along with initial groundwater measurements, are included on the boring logs in Exhibit 1. Upon collection, soil samples were visually and manually inspected. Using new, clean, latex gloves, CRA personnel examined the samples for soil characteristics. No visible evidence of phase-separated hydrocarbons (PSH) was observed during the installation and sampling of the borings. A soil sample representative of the lithologies across the site was collected from boring GT-1 (4 to 8 foot depth) and submitted to Soil Testing Engineers, Inc. in Baton Rouge, Louisiana for geotechnical laboratory analyses. The geotechnical laboratory report and chain-of-custody document is included in Appendix A.

A portion of each sample was collected for organic vapor screening using glass jars covered with aluminum foil. These samples were allowed to stabilize at ambient air temperature for at least one hour, and the headspace in each container was then analyzed with a PID (Photovac Model 20/20). Prior to use, the PID was calibrated in accordance with the manufacturer's specifications. The results of the PID screening of the soil samples from the borings are included on the boring logs in Exhibit 1.

Immediately upon collection, a portion of each soil sample was placed in a laboratory supplied jar and preserved on ice for possible laboratory analytical testing. A minimum of two soil samples were selected from each soil boring for

laboratory analyses. Soil samples were selected for laboratory analyses based on the following considerations: 1) highest PID value in the zero to fifteen-foot depth range, 2) first-encountered groundwater, and 3) total depth of the boring.

The soil sampling procedures and documentation were performed in compliance with CRA's standard sampling protocol, which is based upon U.S. Environmental Protection Agency (EPA) guidelines applicable to this type of project. The soil samples selected for analyses were preserved on ice and subsequently transported, following proper chain-of-custody procedures, via lab courier to Pace. Soil samples collected for analyses for volatile organics were collected utilizing EPA Method 5035. The soil samples were analyzed for BTEX and MTBE by EPA Method 8260 Test Methods for Evaluating Solid Wastes, SW-846, Third Edition, June 1997 and TPH-GRO by GS-FID analysis of extracts EPA Method 8015B. The analytical laboratory results for the soil samples collected during the ASI, along with previously reported data, are summarized on Table 1. The soil sample analytical laboratory report and chain-of-custody document are included in Appendix A.

3.2 MONITOR WELL CONSTRUCTION

Soil borings MW-1 through MW-4 were completed as two-inch diameter groundwater monitor wells. The monitor wells were constructed with Schedule 40 PVC threaded casing and well screen (0.01-inch slot size). Table 2 contains well installation information regarding well depths and screened intervals. Installation details and cross-sections of the wells are shown on the monitor well cross-section detail forms presented as Exhibit 1. Construction of each well included the placement of a sand filter pack around the well screen, a hydrated bentonite seal above the filter pack, and a cement/bentonite mixture to the ground surface. A flush mounted protective cover was installed around each well to prevent damage from site activities. Each well was secured with a locking watertight cap and padlock to deter tampering and introduction of surface water runoff into the well. Copies of the monitor well registration forms dated January 13, 2004, were submitted to the Louisiana Department of Transportation and Development are included in Appendix B.

3.3 GROUNDWATER SAMPLING (SOIL BORINGS)

Upon reaching the total depth, a temporary well (slotted well screen and casing assembly) was installed in boring SB-7 for the collection of groundwater samples.

Following sample collection, the temporary screen/casing assembly was removed from the boring and the resulting borehole was abandoned by grouting with a cement-bentonite mixture from total depth to the ground surface utilizing a tremie pipe.

3.4 MONITOR WELL SAMPLING

CRA personnel visited the site on December 9, 2003, to measure groundwater levels in monitor wells MW-1 through MW-4. Measurements were taken using an electronic PSH/water interface probe. The depth to groundwater below the top-of-casing in each well was measured and recorded to a precision of ± 0.01 feet. No PSH was detected in any of the monitor wells during this sampling event. Groundwater level measurements and calculated groundwater potentiometric elevations for the monitoring/sampling event are presented on the Monitor Well Sampling Record form included in Appendix C. Groundwater potentiometric elevation data is presented in Table 3, along with monitor well sampling data.

Groundwater elevations from data collected on December 9, 2003, are presented on Figure 2. Measurement data indicates prevailing groundwater to be approximately 2.11 ft below the top-of-casing (MW-3) to 3.74 ft below the top-of-casing (MW-1). Groundwater flow direction is predominantly to the southwest. Groundwater samples collected from the monitor wells on December 9, 2003 were placed in appropriate laboratory supplied sample containers and were subsequently stored on ice and transported via lab courier to Pace for analyses. Samples collected from the monitor wells were analyzed for BTEX, MTBE, and TPH-GRO by the aforementioned methods. Groundwater samples were immediately tested in the field for temperature, specific conductance, and pH. Pertinent groundwater field data is presented on the Monitor Well Sampling Records in Appendix C. Groundwater analytical laboratory results, along with previously reported data is summarized on Table 4. The analytical laboratory report and chain-of-custody document for the groundwater-sampling event is included in Appendix A.

3.5 HYDROCARBON CONSTITUENT DISTRIBUTION

For the purpose of describing the extent of hydrocarbon impact at the site, previously reported analytical results for samples collected during the March 2003 Baseline Site Assessment have been included in the following summary of hydrocarbon impact at the site. All analytical results were compared to the October

20, 2003, RECAP Screening Standards (SS) in order to determine if further evaluation is warranted.

Soil sample analytical results revealed detectable benzene concentrations of 0.0786 milligrams per kilogram (mg/kg) in SB-04 (0' - 2') and 0.331 mg/kg in SB-01 (2' - 4'). The soil benzene concentration in MW-1 (2' - 4') was not detected above the analytical reporting limit; however, the analytical reporting limit was above the RECAP SS. Detectable TPH-GRO concentrations ranged from 5.8 mg/kg in SB-05 (0' - 2') to 207 mg/kg in SB-01 (2' - 4'). Detectable concentrations of MTBE ranged from 0.0051 mg/kg in MW-2 (12' - 14') to 0.23 mg/kg in SB-04 (10' - 12'). In addition, sample MW-1 (2' - 4') was further analyzed for SPLP benzene and TPH-GRO with a result of <0.05 milligrams per liter (mg/L) and 14 mg/L, respectively.

When compared to the RECAP SS (October 20, 2003 version), three soil samples exceeded the SS for benzene, two samples exceeded the RECAP standard for MTBE, two samples exceeded the SS for TPH-GRO, and one sample exceeded the RECAP standard for SPLP TPH-GRO.

Groundwater analytical results indicated detectable benzene concentrations of 0.0018 mg/L in SB-02 and 0.141 mg/L in SB-01. Detectable ethylbenzene concentrations ranged from 0.0066 mg/L in SB-02 to 0.854 mg/L in SB-01. Detectable concentrations of MTBE ranged from 0.0052 mg/L in SB-05 to 0.737 mg/L in SB-04. Concentrations of TPH-GRO ranged from 0.0693 mg/L in SB-06 to 11.1 mg/L in SB-01.

When compared to the RECAP SS, one groundwater sample exceeded the SS for benzene, one sample exceeded the SS for ethylbenzene, six samples exceeded the SS for MTBE, and six samples exceeded the SS for TPH-GRO. The groundwater benzene, MTBE, and TPH-GRO concentrations are presented on Figure 3.

3.6 INVESTIGATION DERIVED WASTE

All soil cuttings generated during the installation of the monitor wells were stored in drums for subsequent disposal following proper waste characterization. Decontamination wash water and purgewater generated during ASI activities were also stored in drums for subsequent disposal. All soil and fluid drums are currently onsite pending proper disposal.

4.0 SUMMARY OF FINDINGS

4.1 FINDINGS

Based on the scope of work performed, CRA presents the following findings:

- The site is an active Chevron Service Station located in a developed area of predominantly commercial properties.
- Six soil exploration borings (MW-1 through MW-4, SB-7, and GT-1) were installed to a maximum depth of 14 feet. Soil and groundwater samples from the soil borings and/or monitor wells were analyzed for BTEX, MTBE, and TPH-GRO.
- Analytical results indicated elevated hydrocarbon concentrations in soil and groundwater in the vicinity of the dispenser islands.
- No off-site source of hydrocarbon impact was identified.

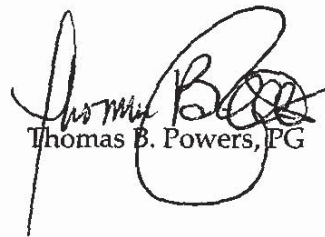
5.0 RECOMMENDATIONS

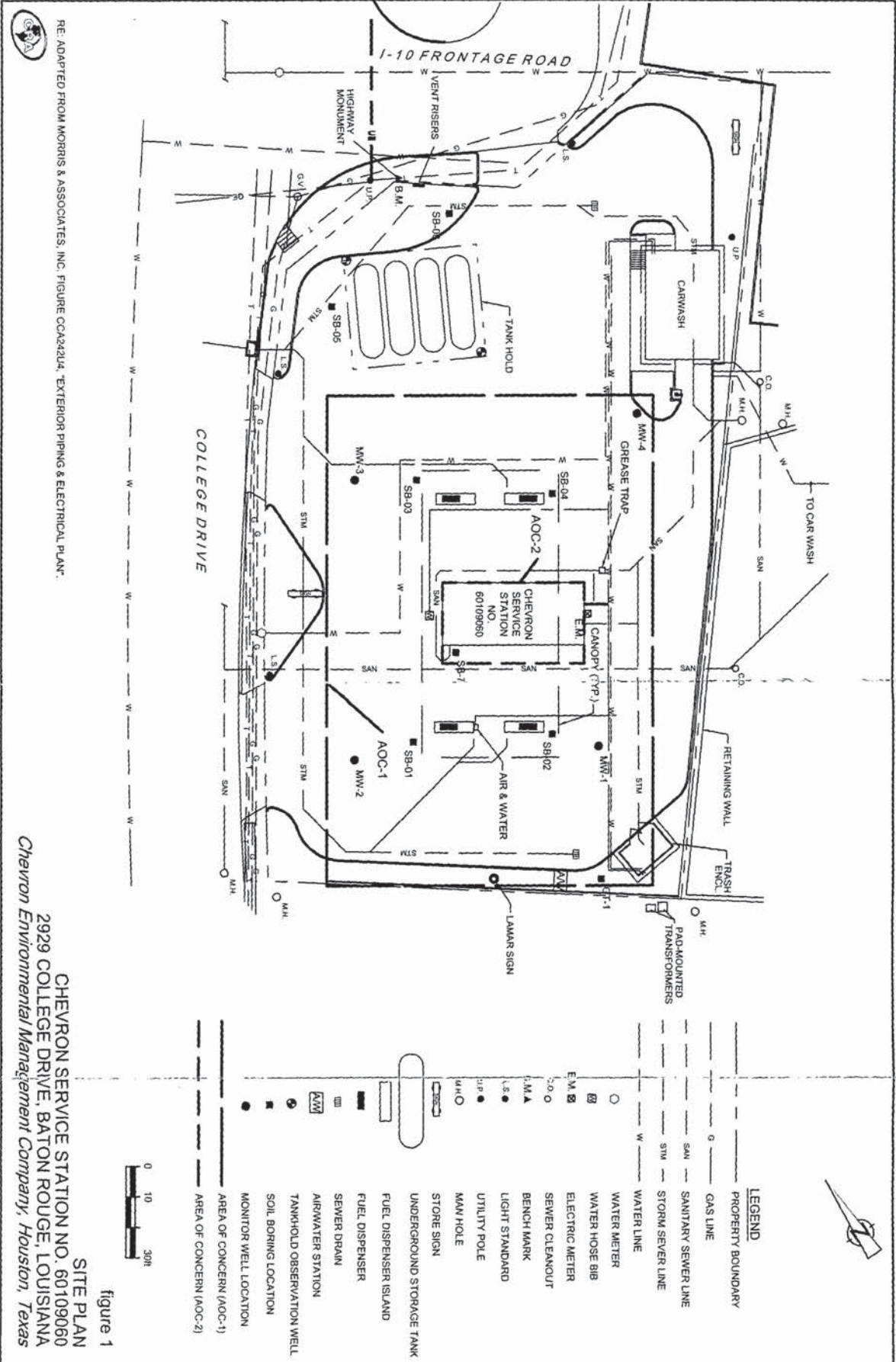
5.1 RECOMMENDATIONS

The intent of the additional investigation was to further delineate hydrocarbon impact at the site and to collect necessary data for a risk evaluation using LDEQ's RECAP. CRA recommends that an Appendix I RECAP evaluation be conducted. A cost estimate included as Exhibit 2. CRA will proceed with the evaluation upon LDEQ approval.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES


Seth P. Domangue


Thomas B. Powers, PG

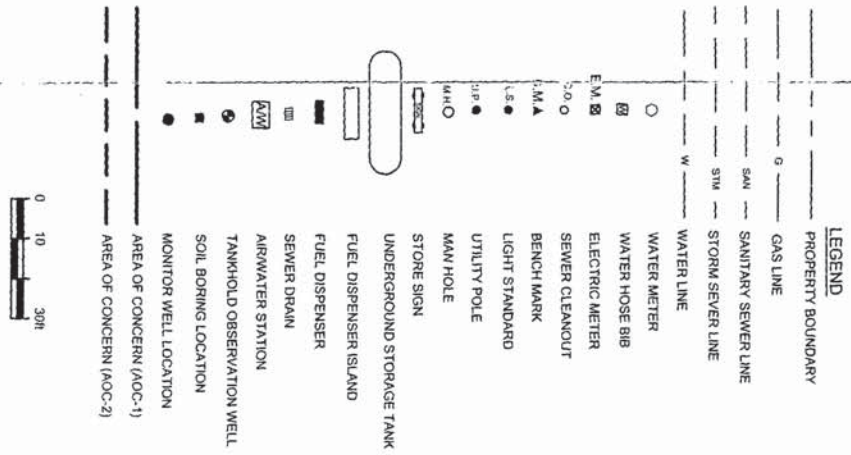


RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA24244. "EXTERIOR PIPING & ELECTRICAL PLAN".

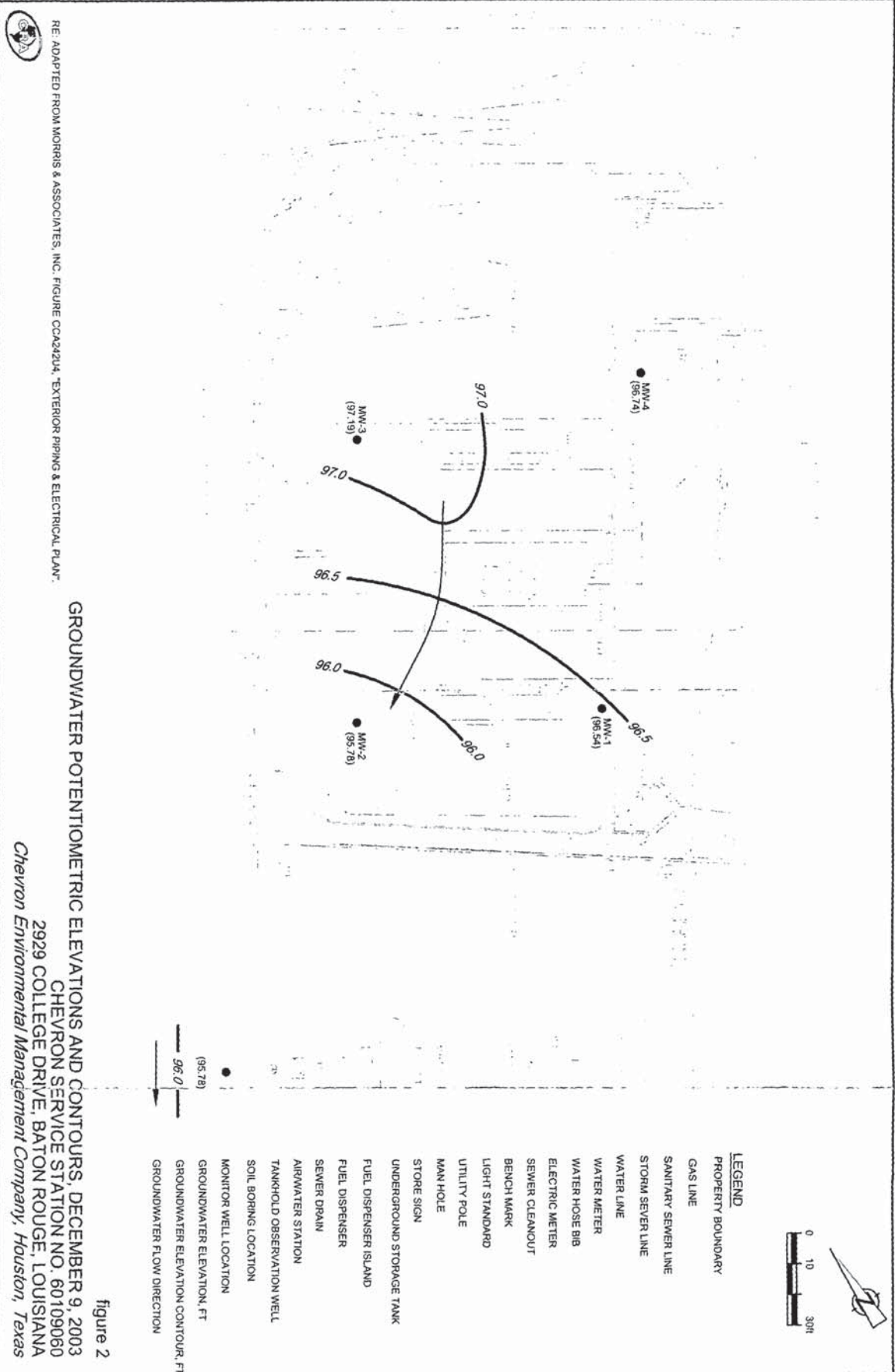
27453-01003JGN-BR001 JAN 19/2004

CHEVRON SERVICE STATION NO. 60109060
 2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
 Chevron Environmental Management Company, Houston, Texas

figure 1







RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA2422U4, "EXTERIOR PIPING & ELECTRICAL PLAN".

27453-01(003)GN BR002 JAN 15/2004

GROUNDWATER POTENTIOMETRIC ELEVATIONS AND CONTOURS, DECEMBER 9, 2003
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

figure 2

● (95.78)
 — 96.0 —
 ←
 GROUNDWATER ELEVATION, FT
 GROUNDWATER ELEVATION CONTOUR, FT
 GROUNDWATER FLOW DIRECTION

LEGEND

- PROPERTY BOUNDARY
- GAS LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE
- WATER METER
- WATER HOSE BIB
- ELECTRIC METER
- SEWER CLEANOUT
- BENCH MARK
- LIGHT STANDARD
- UTILITY POLE
- MAN HOLE
- STORE SIGN
- UNDERGROUND STORAGE TANK
- FUEL DISPENSER ISLAND
- FUEL DISPENSER
- SEWER DRAIN
- AIR/WATER STATION
- TANKHOLD OBSERVATION WELL
- SOIL BORING LOCATION
- MONITOR WELL LOCATION
- GROUNDWATER ELEVATION, FT
- GROUNDWATER ELEVATION CONTOUR, FT
- GROUNDWATER FLOW DIRECTION



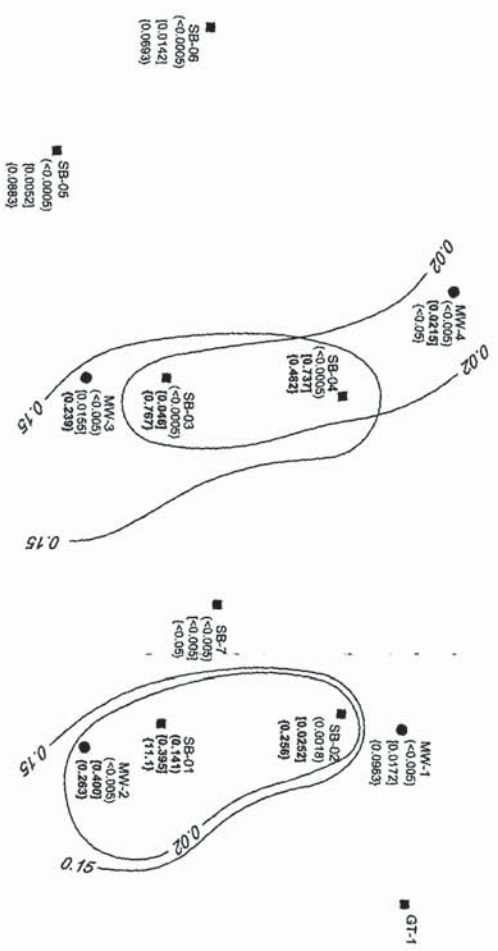


RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA242U4, "EXTERIOR PIPING & ELECTRICAL PLAN".
Z7453-01(003)SN-9R003 JAN 28/2004

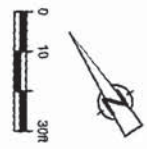
GROUNDWATER BENZENE, MTBE, AND TPH-GRO CONCENTRATIONS AND ISOPLETHS, DECEMBER 9, 2003

CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

NOTE: BOLDDED FONT INDICATES RESULTS THAT EXCEED RECAP SCREENING STANDARDS.
SOIL BORINGS SB-1 THROUGH SB-6 WERE SAMPLED ON 03/27/03.



0.02	TPH-GRO CONCENTRATIONS, mg/L
0.15	TPH-GRO ISOPLETH, mg/L
0.005	BENZENE CONCENTRATION, mg/L
0.400	MTBE CONCENTRATION, mg/L
0.269	TPH-GRO CONCENTRATIONS, mg/L
	MTBE ISOPLETH, mg/L
	TPH-GRO ISOPLETH, mg/L



LEGEND

- PROPERTY BOUNDARY
- GAS LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE
- WATER METER
- WATER HOSE BIB
- ELECTRIC METER
- SEWER CLEANOUT
- BENCH MARK
- LIGHT STANDARD
- UTILITY POLE
- MAN HOLE
- STORE SIGN
- UNDERGROUND STORAGE TANK
- FUEL DISPENSER ISLAND
- FUEL DISPENSER
- SEWER DRAIN
- AIR/WATER STATION
- TANK/HOLD OBSERVATION WELL
- SOIL BORING LOCATION
- MONITOR WELL LOCATION
- BENZENE CONCENTRATION, mg/L
- MTBE CONCENTRATION, mg/L
- TPH-GRO CONCENTRATIONS, mg/L
- MTBE ISOPLETH, mg/L
- TPH-GRO ISOPLETH, mg/L

figure 3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

TABLE 1

SOIL SAMPLE ANALYTICAL LABORATORY DATA
 CHEVRON SERVICE STATION NO. 60109060
 2929 COLLEGE DRIVE
 BATON ROUGE, LOUISIANA

Boring (depth, ft)	Sample Date	Parameter									
		Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TPH-GRO (mg/kg)	SPLP Benzene (mg/L)	SPLP TPH-GRO (mg/L)		
		0.051*	20*	19*	150*	0.077*	65*	0.1**	6.8**		
SB-01 (2' - 4')	03/27/03	0.351	<0.0216	9.42	1.05	<0.0216	207	NA	NA		
SB-01 (12' - 14')	03/27/03	<0.0226	<0.0226	1.11	<0.0226	0.064	63.7	NA	NA		
SB-02 (2' - 4')	03/27/03	<0.0238	<0.0238	0.0812	<0.0238	<0.0238	10.8	NA	NA		
SB-02 (10' - 12')	03/27/03	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<2.39	NA	NA		
SB-03 (0' - 2')	03/27/03	<0.0264	<0.0264	<0.0264	<0.0264	<0.0264	7.59	NA	NA		
SB-03 (10' - 12')	03/27/03	<0.0298	<0.0298	<0.0298	<0.0298	<0.0298	<2.975	NA	NA		
SB-04 (0' - 2')	03/27/03	0.0786	0.122	0.177	0.1652	<0.0239	7.33	NA	NA		
SB-04 (10' - 12')	03/27/03	<0.0238	<0.0238	<0.0238	<0.0238	0.23	<2.375	NA	NA		
SB-05 (0' - 2')	03/27/03	<0.0236	<0.0236	<0.0236	<0.0236	<0.0236	5.8	NA	NA		
SB-05 (10' - 12')	03/27/03	<0.0262	<0.0262	<0.0262	<0.0262	<0.0262	<2.62	NA	NA		
SB-06 (0' - 2')	03/27/03	<0.0221	<0.0221	<0.0221	<0.0221	<0.0221	<2.215	NA	NA		
SB-06 (10' - 12')	03/27/03	<0.0239	<0.0239	<0.0239	<0.0239	<0.0239	<2.385	NA	NA		
MW-1 (2' - 4')	11/18/03	<0.261	<0.261	7.70	1.23	<0.261	118	<0.05	14		
MW-1 (8' - 10')	11/18/03	<0.00464	<0.00464	<0.00464	<0.00464	<0.00464	<2.47	NA	NA		
MW-1 (12' - 14')	11/18/03	<0.00471	<0.00471	<0.00471	<0.00471	<0.00471	<2.40	NA	NA		
MW-2 (0' - 2')	11/18/03	<0.00498	<0.00498	<0.00498	<0.00498	0.0074	6.49	NA	NA		
MW-2 (8' - 10')	11/18/03	<0.00499	<0.00499	<0.00499	<0.00499	0.109	<2.495	NA	NA		
MW-2 (12' - 14')	11/18/03	<0.00499	<0.00499	<0.00499	<0.00499	0.0051	<2.28	NA	NA		

TABLE 1
 SOIL SAMPLE ANALYTICAL LABORATORY DATA
 CHEVRON SERVICE STATION NO. 60109060
 2929 COLLEGE DRIVE
 BATON ROUGE, LOUISIANA

Boring (depth, ft)	Sample Date	Parameter									
		Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)	TPH-GRO (mg/kg)	SPLP Benzene (mg/L)	SPLP TPH-GRO (mg/L)		
		0.051*	20*	19*	150*	0.077*	65*	0.1**	6.8**		
MW-3 (2' - 4')	11/18/03	<0.00503	<0.00503	0.0183	<0.00503	0.0069	9.53	NA	NA		
MW-3 (8' - 10')	11/18/03	<0.00484	<0.00484	<0.00484	<0.00484	<0.00484	<2.595	NA	NA		
MW-3 (12' - 14')	11/18/03	<0.00452	<0.00452	<0.00452	<0.00452	<0.00452	<2.325	NA	NA		
MW-4 (0' - 2')	11/18/03	<0.00486	<0.00486	<0.00486	<0.00486	<0.00486	<2.46	NA	NA		
MW-4 (6' - 8')	11/18/03	<0.00522	<0.00522	<0.00522	<0.00522	<0.00522	<2.32	NA	NA		
MW-4 (12' - 14')	12/03/03	<0.00481	<0.00481	<0.00481	<0.00481	<0.00481	<2.275	NA	NA		
SB-7 (8' - 10')	12/03/03	<0.00482	<0.00482	<0.00482	<0.00482	<0.00482	<2.40	NA	NA		
SB-7 (12' - 14')	12/03/03	<0.00493	<0.00493	<0.00493	<0.00493	<0.00493	<2.37	NA	NA		

MTBE = methyl tertiary butyl ether

NA = Not Analyzed

TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics

SPLP = Synthetic Precipitation Leaching Procedure

mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm).

mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).

* Screening Standards specified in the LDEQ's October 20, 2003, RECAP Table 1 - Screening Option.

** Screening Standards for Soil and Groundwater.

Screening Standards for SPLP extracts were derived by multiplying the RECAP MO-1 GW1 Standard by

a default dilution factor of 20.

Bold font with shading indicates result exceeds RECAP Screening Standard.

TABLE 2

MONITOR WELL INSTALLATION DATA
 CHEVRON SERVICE STATION NO. 60109060
 2929 COLLEGE DRIVE
 BATON ROUGE, LOUISIANA

Well I.D.	Date of Installation	Well Depth	Ground Surface Elevation	Top-of-Casing Elevation ⁽¹⁾	Groundwater Elevation at Development	Screen Interval Elevation	Latitude	Longitude
MW-1	11/18/03	14.3	100.72	100.28	96.54	96.62 to 86.62	N30°25'18"	W91°08'24"
MW-2	11/18/03	14.2	99.96	99.48	95.78	95.96 to 85.96	N30°25'18"	W91°08'24"
MW-3	11/18/03	14.0	99.70	99.30	97.19	95.90 to 85.90	N30°25'18"	W91°08'24"
MW-4	11/18/03	14.6	100.36	100.08	96.74	95.96 to 85.96	N30°25'18"	W91°08'24"

Notes:

- (1) Elevations are relative to a project bench mark with an assigned elevation of 100.00 ft.
- (2) All dimensions are in feet.
- (3) All wells constructed of 2-inch diameter, Schedule 40 PVC casing and screen.
- (4) All wells were developed with the use of a PVC surge block.

TABLE 3

MONITOR WELL SAMPLING DATA
 CHEVRON SERVICE STATION NO. 60109060
 2929 COLLEGE DRIVE
 BATON ROUGE, LOUISIANA

MONITOR WELL ID NUMBER	MW-1	MW-2	MW-3	MW-4
DOTD ID NUMBER	N/A	N/A	N/A	N/A
DATE SAMPLED	12/09/03	12/09/03	12/09/03	12/09/03
TOP OF CASING ELEVATION (ft) ⁽¹⁾	100.28	99.48	99.30	100.08
STATIC WATER LEVEL (ft below TOC)	3.74	3.70	2.11	3.34
TOTAL DEPTH (ft below TOC)	14.30	14.20	14.00	14.60
STATIC WATER ELEVATION (ft)	96.54	95.78	97.19	96.74
FREE PRODUCT THICKNESS (ft)	None	None	None	None
FREE PRODUCT ELEVATION (ft)	N/A	N/A	N/A	N/A
PURGE METHOD	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer
ACTUAL PURGE VOLUME (Gal)	5.0*	5.0*	5.0*	5.0*
SAMPLING METHOD	Grab	Grab	Grab	Grab
EQUIPMENT USED	Polyethylene Bailer	Polyethylene Bailer	Polyethylene Bailer	Polyethylene Bailer
PRODUCT RECOVERED (Gal)	None	None	None	None

* Well purged dry

N/A = Not Available; Not Applicable

Note: ⁽¹⁾Top-of-Casing elevations referenced to an on-site bench mark with an assigned elevation of 100.00'.

TABLE 4
 GROUNDWATER SAMPLE ANALYTICAL LABORATORY DATA
 CHEVRON SERVICE STATION NO. 60109060
 2929 COLLEGE DRIVE
 BATON ROUGE, LOUISIANA

Sample Number	Sample Date	Parameter					
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TPH-GRO (mg/L)
		0.005*	1.0*	0.7*	10*	0.02*	0.15*
SB-01	03/27/03	0.141	0.0161	0.854	0.259	0.395	11.1
SB-02	03/27/03	0.0018	0.00087	0.0066	0.0017	0.0252	0.256
SB-03	03/27/03	<0.0005	<0.0005	<0.0005	<0.0005	0.046	0.767
SB-04	03/27/03	<0.0005	<0.0005	<0.0005	<0.0005	0.737	0.482
SB-05	03/27/03	<0.0005	<0.0005	<0.0005	<0.0005	0.0052	0.0883
SB-06	03/27/03	<0.0005	0.0012	0.0035	0.0117	0.0142	0.0693
MIW-1	12/09/03	<0.005	<0.005	0.0097	<0.005	0.0172	0.0963
MIW-2	12/09/03	<0.005	<0.005	<0.005	<0.005	0.400	0.263
MIW-3	12/09/03	<0.005	<0.005	<0.005	<0.005	0.0155	0.239
MIW-4	12/09/03	<0.005	<0.005	<0.005	<0.005	0.0215	<0.05
SB-7	12/03/03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05

MTBE = methyl tertiary butyl ether

TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics

mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).

* Screening Standards specified in the LDEQ's October 20, 2003, RECAP Table 1 - Screening

Option, Screening Standards for Soil and Groundwater.

Bold font with shading indicates result exceeds RECAP Screening Standard.

EXHIBIT 1
SOIL BORING LOGS
AND
MONITOR WELL CROSS SECTIONS

BORING LOG

Project: Additional Site Investigation
 Chevron Service Station No. 60109060
 2929 College Drive
 Baton Rouge, Louisiana
Client: Chevron Environmental Management Company
 Houston, Texas

No. MW-1

File No.: 27453-01
Date: 11/14/03
Drilling Co.: Walker Hill Environmental, Inc.
Supervisor: Tim Morris
Type Rig: Mobil Drill
Elevation: 100.72
Logged by: CDG/JPF

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand Probed: 0' to 4' bgs Hollow Stem Auger (8.25" O.D.): 0' to 14' Start Time: 1220 Finish Time: 1305
	Liquid Limit (%)	Plastic Index (%)									
					198	1.25	X	5	▽	|	Concrete slab
					1,078	0.75	X			|	Gray silty CLAY (CL) with hydrocarbon odor
					6.2	0.75	X			|	-- gray
					2.2	0.75	X			|	-- light brown and gray with iron stains
					1.6	1.0	X			|	
					1.4	2.0	X			|	
					<1.0	2.5	X			|	
								15		|	Boring terminated at 14 feet and completed as monitor well MW-1.

<ul style="list-style-type: none"> Shelby Tube Split-Spoon Sampler Auger Cuttings No Recovery 	(1) Photovac 20/20 Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure Conestoga-Rovers & Associates	<ul style="list-style-type: none"> Water First Noted Level After 60 min NP Non Plastic * No Penetrometer or SPT Value
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BORING LOG

Project: Additional Site Investigation
 Chevron Service Station No. 60109060
 2929 College Drive
 Baton Rouge, Louisiana
Client: Chevron Environmental Management Company
 Houston, Texas

No. MW-2

File No.: 27453-01
Date: 11/18/03
Drilling Co.: Walker Hill Environmental, Inc.
Supervisor: Tim Morris
Type Rig: Mobil Drill
Elevation: 99.96
Logged by: CDG/JPF

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test			Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand Probed: 0' to 4' bgs Hollow Stem Auger (8.25" O.D.): 0' to 14' Start Time: 1540 Finish Time: 1615
	Liquid Limit (%)	Plastic Index (%)	% Finer than #200 Sieve								
					72.3	2.0	X	0			Concrete slab Gray silty CLAY (CL) with hydrocarbon odor
					N/A	N/A	X	1			
					17.0	0.0	X	5			
					2.0	0.75	X	6			
					0.8	1.25	X	9	▽		
					<1.0	1.25	X	10	▽		
					<1.0	3.0	X	11			
							X	12			Boring terminated at 14 feet and completed as monitor well MW-2.
							X	13			
							X	14			
							X	15			
							X	16			
							X	17			
							X	18			
							X	19			
							X	20			
							X	21			

Shelby Tube

Split-Spoon Sampler

Auger Cuttings

No Recovery

(1) Photovac 20/20

Stratification is Inferred And May Not be Exact.
 Soil Classification Based on Visual-Manual Procedure

Conestoga-Rovers & Associates

Water First Noted

Level After 60 min

NP Non Plastic

* No Penetrometer or SPT Value

BORING LOG

Project: Additional Site Investigation
 Chevron Service Station No. 60109060
 2929 College Drive
 Baton Rouge, Louisiana
Client: Chevron Environmental Management Company
 Houston, Texas

No. MW-3

File No.: 27453-01
Date: 11/18/03
Drilling Co.: Walker Hill Environmental, Inc.
Supervisor: Tim Morris
Type Rig: Mobil Drill
Elevation: 99.70
Logged by: CDG/JPF

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test			Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand Probed: 0' to 4' bgs Hollow Stem Auger (8.25" O.D.): 0' to 14'
	Liquid Limit (%)	Plastic Index (%)	% Finer than #200 Sieve								
					N/A	N/A					Start Time: 1400 Finish Time: 1435
					3.5	1.25	X	5			Gray silty CLAY (CL) with ferrous nodules
				1.3	0.75	X					
				0.5	0.50	X					
				0.8	1.0	X	10				
				<1.0	0.5	X		▽			
				<1.0	2.5	X					
							15				Boring terminated at 14 feet and completed as monitor well MW-3.

<ul style="list-style-type: none"> Shelby Tube Split-Spoon Sampler Auger Cuttings No Recovery 	<p>(1) Photovac 20/20</p> <p>Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure</p> <p>Conestoga-Rovers & Associates</p>	<ul style="list-style-type: none"> Water First Noted Level After 60 min NP Non Plastic • No Penetrometer or SPT Value
---	--	---

BORING LOG

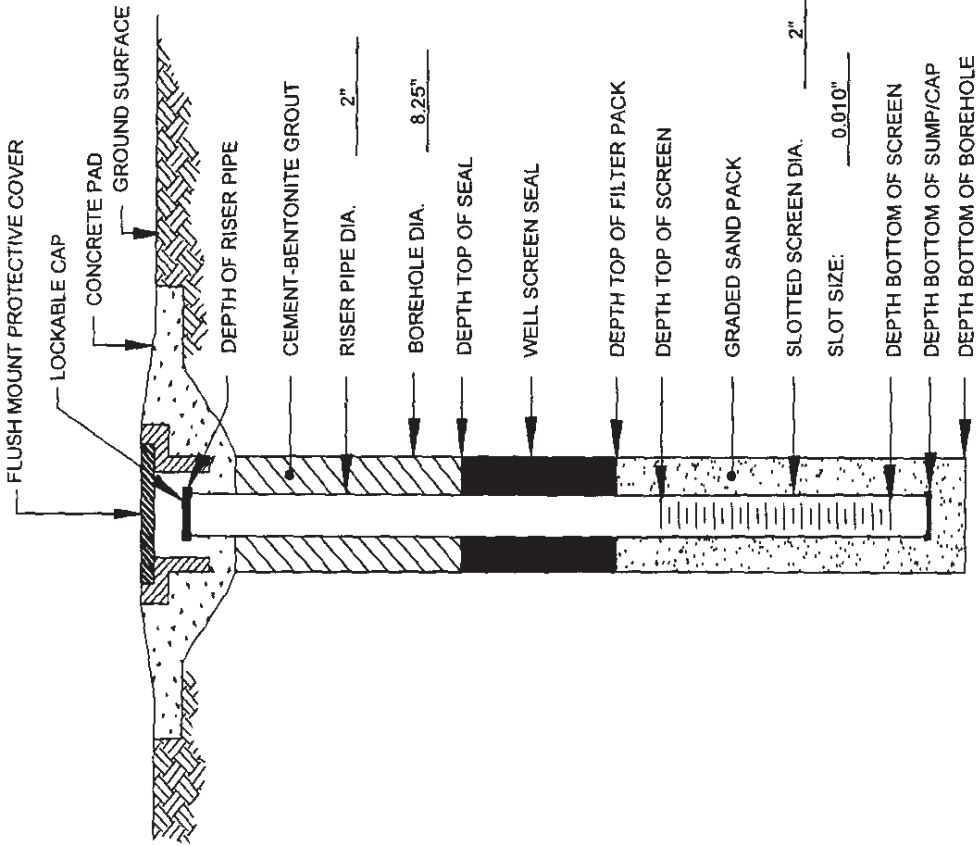
Project: Additional Site Investigation
 Chevron Service Station No. 60109060
 2929 College Drive
 Baton Rouge, Louisiana
Client: Chevron Environmental Management Company
 Houston, Texas

No. MW-4

File No.: 27453-01
Date: 11/18/03
Drilling Co.: Walker Hill Environmental, Inc.
Supervisor: Tim Morris
Type Rig: Mobil Drill
Elevation: 100.36
Logged by: CDG/JPF

LABORATORY TEST DATA					FIELD DATA				BORING DATA		
Moisture Content (%)	Atterberg Test		% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Hand Probed: 0' to 4' bgs Hollow Stem Auger (8.25" O.D.): 0' to 14' Start Time: 0950 Finish Time: 1030
	Liquid Limit (%)	Plastic Index (%)									
					29.7	2.0	X	5	▽	|	Gray silty CLAY (CL) with iron stains Boring terminated at 14 feet and completed as monitor well MW-4.
					2.6	3.0	X			|	
					<1.0	1.5	X			|	
					0.5	0.5	X			|	
					<1.0	1.5	X			|	
					<1.0	2.75	X			|	
					<1.0	2.0	X			|	
								15		|	

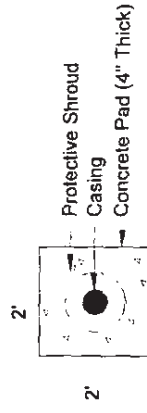
<ul style="list-style-type: none"> Shelby Tube Split-Spoon Sampler Auger Cuttings No Recovery 	(1) Photovac 20/20 Stratification is Inferred And May Not be Exact. Soil Classification Based on Visual-Manual Procedure Conestoga-Rovers & Associates	<ul style="list-style-type: none"> Water First Noted Level After 60 min NP Non Plastic No Penetrometer or SPT Value
---	--	---



ELEV. TOP OF RISER	100.28
ELEV. GROUND SURFACE	100.72
SCREENED INTERVAL	96.62 to 86.62
DATE INSTALLED	11/18/03

Construction Notes:

- Well Casing: 2" DIA. SCH. 40 PVC
- Shroud: FLUSH MOUNT
- Filter Pack: 9-50 LB. BAGS OF 20/40 SILICA SAND
- Bentonite Seal: 1 - 50 LB. BAG OF BENTONITE CHIPS
- Time/Date Placed: 11/18/03 - 1305
- Grout: N/A
- Unit Weight: N/A
- Time/Date Placed: N/A



PLAN VIEW

SECTION VIEW

NOTE: All section dimensions are in feet (unless otherwise noted).

12/10/03	DATE	1	REV. NO.
JPF	DRAWN BY	SPD	CHECKED BY
		TPP	APPROVED BY

Chevron Environmental Management Co.
Houston, Texas

Chevron Service Station No. 60109060
2929 College Drive
Baton Rouge, Louisiana

PROJECT LOCATION

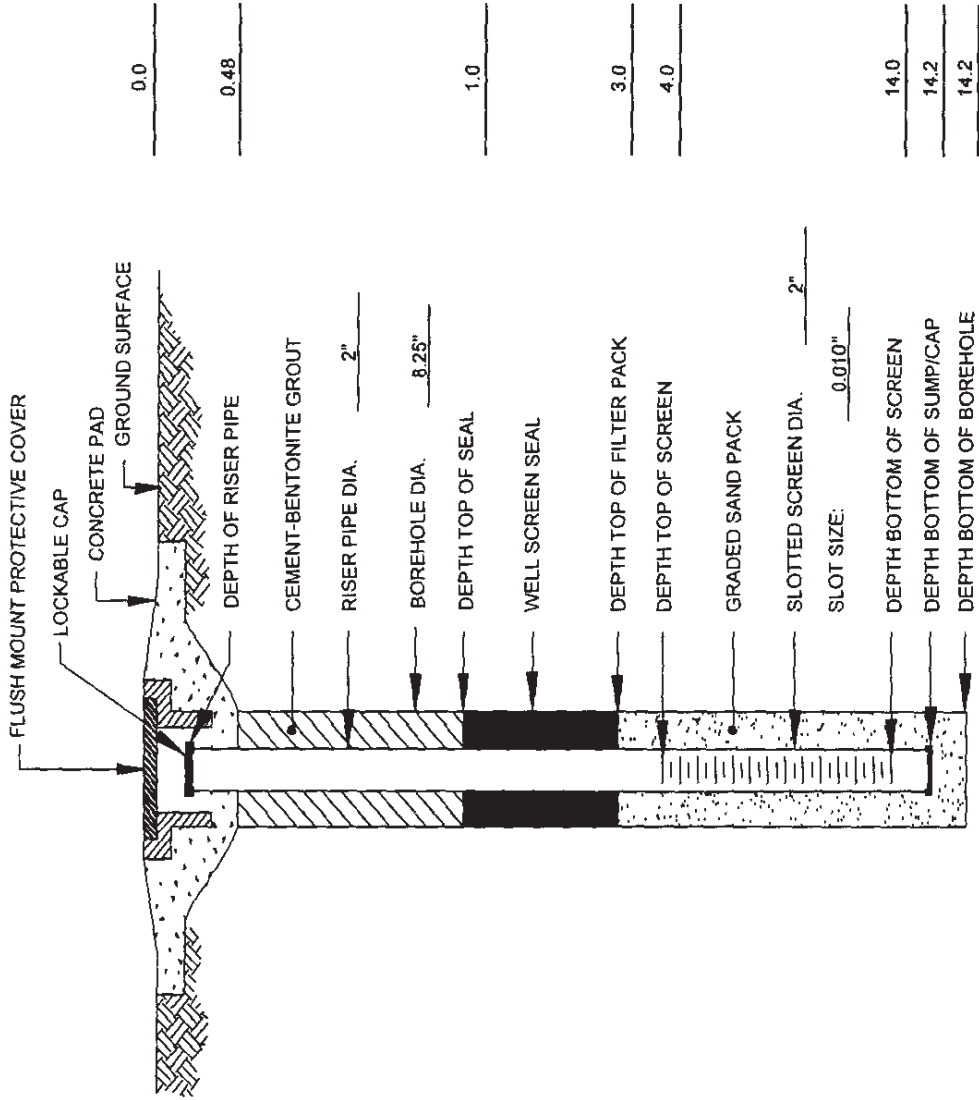
1

Monitor Well Cross-Section
MW-1
27453-01

EXHIBIT

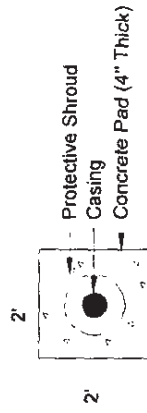


CONESTOGA-ROVERS & ASSOCIATES



ELEV. TOP OF RISER	99.48
ELEV. GROUND SURFACE	99.96
SCREENED INTERVAL	95.96 to 85.96
DATE INSTALLED	11/18/03

Construction Notes:
 Well Casing: 2" DIA. SCH. 40 PVC
 Shroud: FLUSH MOUNT
 Filter Pack: 8-50 LB. BAGS OF 20/40 SILICA SAND
 Bentonite Seal: 0.5 - 50 LB. BAG OF BENTONITE CHIPS
 Time/Date Placed: 11/18/03 - 1615
 Grout: N/A
 Unit Weight: N/A
 Time/Date Placed: N/A



PLAN VIEW

SECTION VIEW

NOTE: All section dimensions are in feet (unless otherwise noted).

12/10/03	1	27453-01
DATE	REV. NO	FILE NO
JPF	SFD	TBP
DRAWN BY	CHECKED BY	APPROVED BY

Chevron Environmental Management Co.
 Houston, Texas
 CLIENT

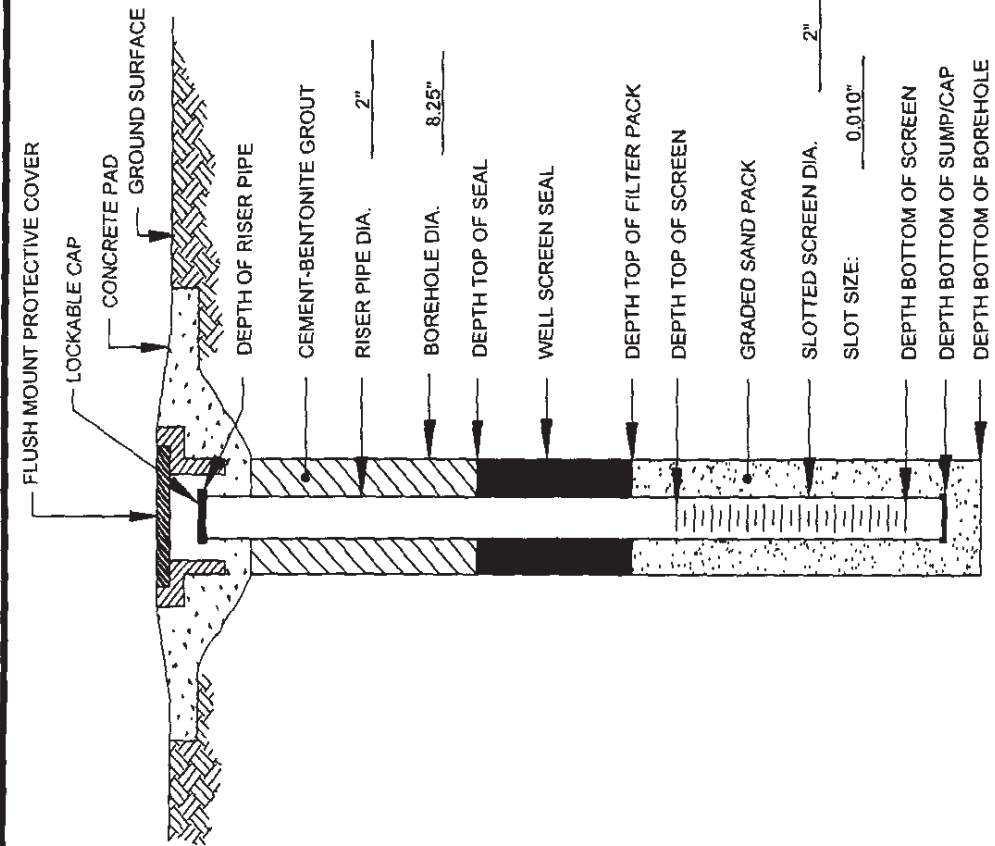
Chevron Service Station No. 60109060
 292 College Drive
 Baton Rouge, Louisiana
 PROJECT LOCATION



CONESTOGA-ROVERS & ASSOCIATES

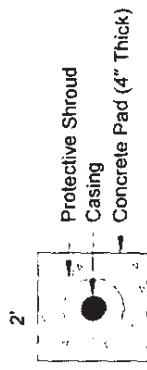
Monitor Well Cross-Section
 MW-2
 27453-01

1
 EXHIBIT



ELEV. TOP OF RISER	99.30
ELEV. GROUND SURFACE	99.70
SCREENED INTERVAL	95.90 to 85.90
DATE INSTALLED	11/18/03

Construction Notes:
 Well Casing: 2" DIA. SCH. 40 PVC
 Shroud: FLUSH MOUNT
 Filter Pack: 8-50 LB. BAGS OF 20/40 SILICA SAND
 Bentonite Seal: 0.5 - 50 LB. BAG OF BENTONITE CHIPS
 Time/Date Placed: 11/18/03 - 1435
 Grout: N/A
 Unit Weight: N/A
 Time/Date Placed: N/A



PLAN VIEW

SECTION VIEW

NOTE: All section dimensions are in feet (unless otherwise noted).

12/18/03	1	27453-01
DATE	REV. NO.	FILE NO.
JPF	SPD	TBP
DRAWN BY	CHECKED BY:	APPROVED BY:

Chevron Environmental Management Co.
 Houston, Texas

Chevron Service Station No. 60109060
 2929 College Dr.
 Baton Rouge, Louisiana

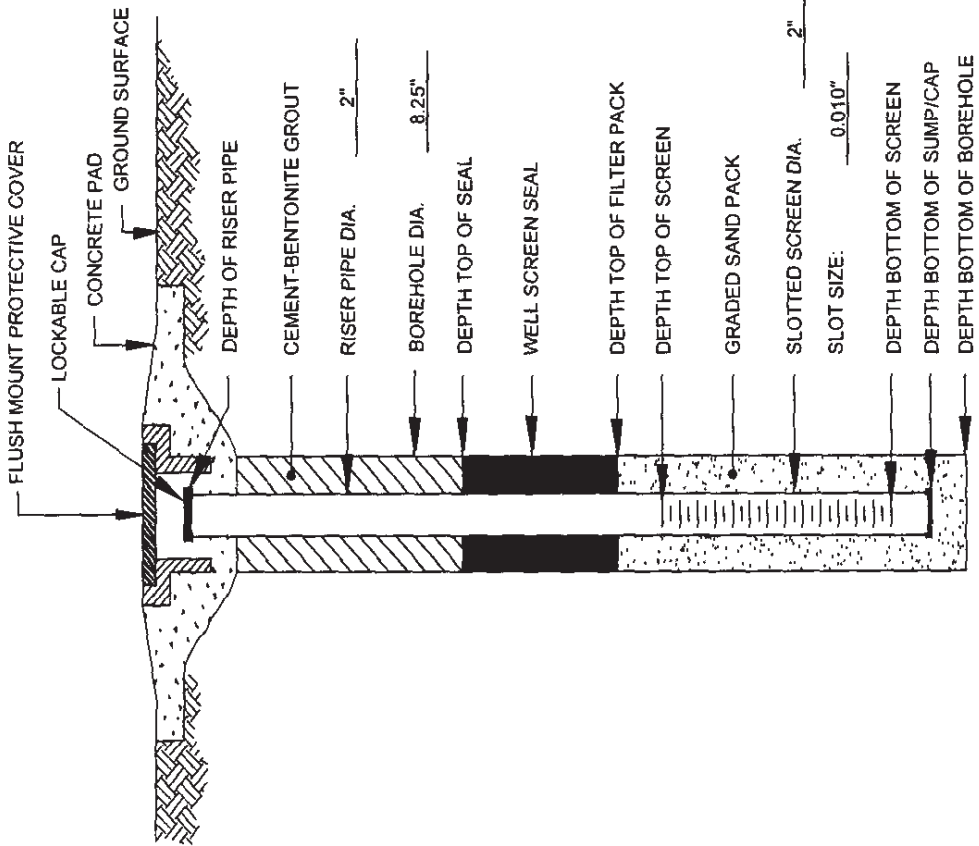
PROJECT LOCATION



CONESTOGA-ROVERS & ASSOCIATES

Monitor Well Cross-Section
 MW-3
 27453-01

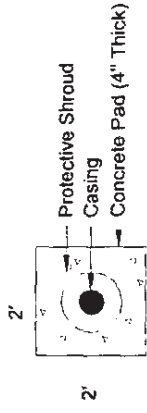
1
 EXHIBIT



ELEV. TOP OF RISER	100.08
ELEV. GROUND SURFACE	100.36
SCREENED INTERVAL	95.96 to 85.96
DATE INSTALLED	11/18/03

Construction Notes:

- Well Casing: 2" DIA. SCH. 40 PVC
- Shroud: FLUSH MOUNT
- Filter Pack: 8-50 LB. BAGS OF 20/40 SILICA SAND
- Bentonite Seal: 0.5 - 50 LB. BAG OF BENTONITE CHIPS
- Time/Date Placed: 11/18/03 - 1030
- Grout: N/A
- Unit Weight: N/A
- Time/Date Placed: N/A



PLAN VIEW

SECTION VIEW

NOTE: All section dimensions are in feet (unless otherwise noted).



CONESTOGA-ROVERS & ASSOCIATES

12/10/03	DATE	1	REV. NO.	27453-01	FILE NO.
JPF	DRAWN BY	SPO	CHECKED BY:	TOP	APPROVED BY:

Chevron Environmental Management Co.
Houston, Texas

Chevron Service Station No. 60109060
2929 College Dr.
Baton Rouge, Louisiana

Monitor Well Cross-Section
MW-4
27453-01

EXHIBIT 2
COST ESTIMATE

EXHIBIT 2
COST ESTIMATE
RECAP EVALUATION
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

- Prepare a Appendix I RECAP Evaluation (Unit Price).

\$4,500

\$ 4,500

Notes: (1) Costs above reflect the LDEQ Motor Fuels Underground Storage Tank Trust Fund Unit Prices, effective January 1, 2002.

APPENDIX A

SOIL AND GROUNDWATER ANALYTICAL LABORATORY REPORT
AND
GEOTECHNICAL LABORATORY REPORT



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

December 12, 2003

Mr. David Gardner
CHEVRON PRODUCTS CO.
5959 Corporate Dr.
Houston, TX 77036

RE: Lab Project Number: 2023706
Client Project ID: 60109060

Dear Mr. Gardner:

Enclosed are the analytical results for sample(s) received by the laboratory on November 20, 2003. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Cindy Olavesen
cindy.olavesen@pacelabs.com
(504) 305-3626
Project Manager

Enclosures

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

Phone: 504.469.0333
Fax: 504.469.0555



Report of Laboratory Analysis
Project Number: 2023706





Sample Cross Reference Report

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Project No.: 2023706

Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
MW-1/12-14	20194628	Soil	11/18/2003 13:05	11/20/2003 17:00
MW-1/12-14MS	20194628	Soil	11/18/2003 13:05	11/20/2003 17:00
MW-1/12-14MSD	20194628	Soil	11/18/2003 13:05	11/20/2003 17:00
MW-1/2-4	20194623	Soil	11/18/2003 12:40	11/20/2003 17:00
MW-1/2-4 (SPLP)	20196935	Soil	11/18/2003 12:40	11/20/2003 17:00
MW-1/8-10	20194626	Soil	11/18/2003 12:55	11/20/2003 17:00
MW-2/0-2	20194629	Soil	11/18/2003 15:50	11/20/2003 17:00
MW-2/12-14	20194631	Soil	11/18/2003 16:15	11/20/2003 17:00
MW-2/8-10	20194630	Soil	11/18/2003 16:05	11/20/2003 17:00
MW-3/12-14	20194634	Soil	11/18/2003 14:35	11/20/2003 17:00
MW-3/2-4	20194632	Soil	11/18/2003 14:10	11/20/2003 17:00
MW-3/8-10	20194633	Soil	11/18/2003 14:25	11/20/2003 17:00
MW-4/0-2	20194647	Soil	11/18/2003 10:00	11/20/2003 17:00
MW-4/12-14	20194639	Soil	11/18/2003 10:30	11/20/2003 17:00
MW-4/6-8	20194649	Soil	11/18/2003 10:15	11/20/2003 17:00
WE-1	20194658	Water	11/18/2003 12:30	11/20/2003 17:00
WE-1MS	20194658	Water	11/18/2003 12:30	11/20/2003 17:00
WE-1MSD	20194658	Water	11/18/2003 12:30	11/20/2003 17:00
WF-1	20194659	Water	11/18/2003 12:20	11/20/2003 17:00
WT-1	20194660	Water	11/18/2003	11/20/2003 17:00

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWRW - E-10266
LELAP (NELAP WW/HD) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

1/9/2004 10:05:50



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: MW-1/2-4

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194623

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 32772

Method: SW 8260 Volatile Organics

Units: ug/kg

Target List: 8260MBTEXMED

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 1.04499996

Leached: n/a

Prepared: 11/25/03

Analyzed: 11/25/03 18:21 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND	D2	261.	
100-41-4	Ethylbenzene	1	7700	D2	261.	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND	D2	261.	
108-88-3	Toluene	1	ND	D2	261.	
1330-20-7	m,p-Xylene	1	1230	D2	261.	
95-47-6	o-Xylene	1	ND	D2	261.	

6 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.

1/9/2004 10:05:58

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 630013)
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWTRW - E-10266
LELAP (NELAP WWAHD - 02006)
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-1/8-10</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu: <u></u>
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194626</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>	
Method: <u>SW 8260 Volatile Organics</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>0.92900002</u>	Leached: <u>n/a</u>	Prepared: <u>11/25/03</u>	Analyzed: <u>11/25/03 14:34 RMP</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.64	
100-41-4	Ethylbenzene	1	ND		4.64	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		4.64	
108-88-3	Toluene	1	ND		4.64	
1330-20-7	m,p-Xylene	1	ND		4.64	
95-47-6	o-Xylene	1	ND		4.64	

6 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.

1/9/2004 10:05:59

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/RIZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: MW-1/12-14 Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194628 Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 32772
 Method: SW 8260 Volatile Organics Units: µg/kg Target List: 8260MBTEXLOW
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 0.94199997 Leached: n/a Prepared: 11/24/03 Analyzed: 11/24/03 22:27 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.71	
100-41-4	Ethylbenzene	1	ND		4.71	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		4.71	
108-88-3	Toluene	1	ND		4.71	
1330-20-7	m,p-Xylene	1	ND		4.71	
95-47-6	o-Xylene	1	ND		4.71	

6 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.

1/9/2004 10:05:59

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E67295
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP (NELAP WW/HQ) - 62005
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: MW-1/12-14MS

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194628MS

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 32772

Method: SW 8260 Volatile Organics

Units: ug/kg

Target List: 8260MBTEXLOW

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 0.95800000

Leached: n/a

Prepared: 11/24/03

Analyzed: 11/24/03 22:48 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	56.0		4.79	
100-41-4	Ethylbenzene	1	50.0		4.79	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	53.0		4.79	
108-88-3	Toluene	1	43.6		4.79	
1330-20-7	m,p-Xylene	1	103.		4.79	
95-47-6	o-Xylene	1	54.0		4.79	

6 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.

1/9/2004 10:05:59

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW/WW - E-10266
LELAP (RELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-1/12-14MSD</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194628MSD</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Description: <u>None</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>
Method: <u>SW 8260 Volatile Organics</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>
	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>
Prep Factor: <u>1.02999997</u>	Leached: <u>n/a</u>	Prepared: <u>11/24/03</u>
		Analyzed: <u>11/24/03</u> <u>23:08 RMP</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	58.3		5.15	
100-41-4	Ethylbenzene	1	55.2		5.15	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	55.5		5.15	
108-88-3	Toluene	1	45.3		5.15	
1330-20-7	m,p-Xylene	1	110.		5.15	
95-47-6	o-Xylene	1	57.7		5.15	

6 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.

1/9/2004 10:06:00

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-2/0-2</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194629</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>	
Method: <u>SW 8260 Volatile Organics</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>0.99599999</u>	Leached: <u>n/a</u>	Prepared: <u>11/24/03</u>	Analyzed: <u>11/24/03</u> 23:29 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.98	
100-41-4	Ethylbenzene	1	ND		4.98	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	7.40		4.98	
108-88-3	Toluene	1	ND		4.98	
1330-20-7	m,p-Xylene	1	ND		4.98	
95-47-6	o-Xylene	1	ND		4.98	

6 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HQ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Service -
Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:00



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: MW-2/8-10 Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194630 Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 32772
 Method: SW 8260 Volatile Organics Units: ug/kg Target List: 8260MBTEXLOW
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 0.99699998 Leached: n/a Prepared: 11/25/03 Analyzed: 11/25/03 14:55 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.99	
100-41-4	Ethylbenzene	1	ND		4.99	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	109.		4.99	
108-88-3	Toluene	1	ND		4.99	
1330-20-7	m,p-Xylene	1	ND		4.99	
95-47-6	o-Xylene	1	ND		4.99	

6 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.

1/9/2004 10:06:01

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - EB7595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP (NELAP WW/HZ) - 02006
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: MW-2/12-14

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194631

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 32772

Method: SW 8260 Volatile Organics

Units: ug/kg

Target List: 8260MBTEXLOW

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 0.99699998

Leached: n/a

Prepared: 11/25/03

Analyzed: 11/25/03 15:15 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.99	
100-41-4	Ethylbenzene	1	ND		4.99	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	5.10		4.99	
108-88-3	Toluene	1	ND		4.99	
1330-20-7	m,p-Xylene	1	ND		4.99	
95-47-6	o-Xylene	1	ND		4.99	

6 compound(s) reported

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

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Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HD) - 02006
EQB - Certified Puerto Rico Chemist
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Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-3/2-4</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194632</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Description: <u>None</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>
Method: <u>SW 8260 Volatile Organics</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>
	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>
Prep Factor: <u>1.00699997</u>	Leached: <u>n/a</u>	Prepared: <u>11/25/03</u>
		Analyzed: <u>11/25/03 15:36 RMP</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		5.03	
100-41-4	Ethylbenzene	1	18.3		5.03	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	6.90		5.03	
108-88-3	Toluene	1	ND		5.03	
1330-20-7	m,p-Xylene	1	ND		5.03	
95-47-6	o-Xylene	1	ND		5.03	

6 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-rotar sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

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Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWPHW - E-0286
LELAP (NELAP WW/12) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: MW-3/8-10

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194633

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 32772

Method: SW 8260 Volatile Organics

Units: ug/kg

Target List: 8260MBTEXLOW

Prep Factor: 0.96899998

Leached: n/a

Collected: 11/18/03

Received: 11/20/03

Prepared: 11/25/03

Analyzed: 11/25/03 15:57 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.84	
100-41-4	Ethylbenzene	1	ND		4.84	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		4.84	
108-88-3	Toluene	1	ND		4.84	
1330-20-7	m,p-Xylene	1	ND		4.84	
95-47-6	o-Xylene	1	ND		4.84	

6 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030813
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW/WW - E-10266
LELAP (NELAP WW/HD) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-3/12-14</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194634</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>	
Method: <u>SW 8260 Volatile Organics</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>0.90399998</u>	Leached: <u>n/a</u>	Prepared: <u>11/25/03</u>	Analyzed: <u>11/25/03</u> 16:17 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.52	
100-41-4	Ethylbenzene	1	ND		4.52	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		4.52	
108-88-3	Toluene	1	ND		4.52	
1330-20-7	m,p-Xylene	1	ND		4.52	
95-47-6	o-Xylene	1	ND		4.52	

6 compound(s) reported

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

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Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LAP/ALAP WW/12 - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-4/0-2</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194647</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>	
Method: <u>SW 8260 Volatile Organics</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>0.97100002</u>	Leached: <u>n/a</u>	Prepared: <u>11/25/03</u>	Analyzed: <u>11/25/03 16:38 RMP</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		4.86	
100-41-4	Ethylbenzene	1	ND		4.86	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		4.86	
108-88-3	Toluene	1	ND		4.86	
1330-20-7	m,p-Xylene	1	ND		4.86	
95-47-6	o-Xylene	1	ND		4.86	

6 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW/WW - E-10266
LELAP (NELAP WW/ND) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-4/6-8</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194649</u>	Prep Level: <u>Soil</u>	Batch: <u>32772</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>8260MBTEXLOW</u>	
Method: <u>SW 8260 Volatile Organics</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>1.04400003</u>	Leached: <u>n/a</u>	Prepared: <u>11/25/03</u>	Analyzed: <u>11/25/03 16:58 RMP</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		5.22	
100-41-4	Ethylbenzene	1	ND		5.22	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.22	
108-88-3	Toluene	1	ND		5.22	
1330-20-7	m,p-Xylene	1	ND		5.22	
95-47-6	o-Xylene	1	ND		5.22	

6 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.

1/9/2004 10:06:03

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWRW - E-10266
LELAP (NELAP WW/12) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: WE-1

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194658

Matrix: Water

% Moisture: n/a

Description: None

Prep Level: Water

Batch: 32861

Method: SW 8260 Volatile Organics

Units: ug/L

Target List: 8260MBTEXWAT

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 1

Leached: n/a

Prepared:

Analyzed: 11/25/03 19:22 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		5.00	
100-41-4	Ethylbenzene	1	ND		5.00	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
1330-20-7	m,p-Xylene	1	ND		5.00	
95-47-6	o-Xylene	1	ND		5.00	

6 compound(s) reported

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

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Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELW/WW - E-02266
LELAP (NELAP WW/ND) - 02006
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Report of Laboratory Analysis

Face Analytical Services, Inc.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.

Client ID: WE-1MS

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194658MS

Matrix: Water

% Moisture: n/a

Description: None

Prep Level: Water

Batch: 32861

Method: SW 8260 Volatile Organics

Units: ug/L

Target List: 8260MBTEXWAT

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 1

Leached: n/a

Prepared:

Analyzed: 11/25/03 18:41 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	62.8		5.00	
100-41-4	Ethylbenzene	1	60.8		5.00	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	58.3		5.00	
108-88-3	Toluene	1	52.9		5.00	
1330-20-7	m,p-Xylene	1	124.		5.00	
95-47-6	o-Xylene	1	62.7		5.00	

6 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.

1/9/2004 10:06:03

Laboratory Certifications:

Louisiana Dept. of Health and Hospitals (ELAP) Drinking Water LA 030813

Florida Dept. of Health/Hazardous Waste - EB7585

Kansas Dept. of Health & Environment/ELWRW - E-10266

LELAP (NELAP WW/02) - 02006

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Report of Laboratory Analysis

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Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.
 Client ID: WE-1MSD Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194658MSD Matrix: Water % Moisture: n/a
 Description: None Prep Level: Water Batch: 32861
 Method: SW 8260 Volatile Organics Units: ug/L Target List: 8260MBTEXWAT
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 1 Leached: n/a Prepared: Analyzed: 11/25/03 19:02 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	67.0		5.00	
100-41-4	Ethylbenzene	1	60.2		5.00	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	60.1		5.00	
108-88-3	Toluene	1	54.2		5.00	
1330-20-7	m,p-Xylene	1	123.		5.00	
95-47-6	o-Xylene	1	60.7		5.00	

6 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.

1/9/2004 10:06:04

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LEAP (NELAP WW/NZ) - 12006
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Client: CHEVRON PRODUCTS CO.

Client ID: WF-1

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194659

Matrix: Water

% Moisture: n/a

Description: None

Prep Level: Water

Batch: 32861

Method: SW 8260 Volatile Organics

Units: ug/L

Target List: 8260MBTEXWAT

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 1

Leached: n/a

Prepared:

Analyzed: 11/25/03

19:43 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		5.00	
100-41-4	Ethylbenzene	1	ND		5.00	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
1330-20-7	m,p-Xylene	1	ND		5.00	
95-47-6	o-Xylene	1	ND		5.00	

6 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.

1/9/2004 10:06:04

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP) Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWHW - E-10266
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Phone: 504.469.0333
Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.
 Client ID: WT-1 Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194660 Matrix: Water % Moisture: n/a
 Description: None Prep Level: Water Batch: 32861
 Method: SW 8260 Volatile Organics Units: ug/L Target List: 8260MBTEXWAT
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 1 Leached: n/a Prepared: Analyzed: 11/25/03 20:04 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		5.00	
100-41-4	Ethylbenzene	1	ND		5.00	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00	
108-88-3	Toluene	1	ND		5.00	
1330-20-7	m,p-Xylene	1	ND		5.00	
95-47-6	o-Xylene	1	ND		5.00	

6 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.

1/9/2004 10:06:04

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E37395
 Kansas Dept. of Health & Environment/ELW/1W - E-10286
 LELAP (NELAP WW/12) - E2006
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Client: CHEVRON PRODUCTS CO.

Client ID: MW-1/2-4 (SPLP) Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20196935 Leachate Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 33755
 Method: SW 8260 TCLP Volatile Organics Units: mg/L Target List: 8260LLEA
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 1 Leached: 12/03/03 Prepared: Analyzed: 12/10/03 20:58 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND	C3	0.0500	0.500

1 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.

1/9/2004 10:06:03

Laboratory Certifications:
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Client: CHEVRON PRODUCTS CO.
 Site: None
 Client ID: MW-1/2-4
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194623 Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 32706
 Method: SW 8015B TPH Gasoline Range Organics (C6-C12) Units: ug/kg Target List: TPHGPT12MED
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 1.23199999 Leached: n/a Prepared: 11/29/03 Analyzed: 11/29/03 16:39 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	118000		3080	61000

1 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.

1/9/2004 10:06:08

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87595
 Kansas Dept. of Health & Environment/ELWRW - E-10286
 LELAP (NELAP WW/ID) - 02006
 EDB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: MW-1/8-10 Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194626 Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 32706
 Method: SW 8015B TPH Gasoline Range Organics (C6-C12) Units: ug/kg Target List: TPHGPT12MED
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 0.98799998 Leached: n/a Prepared: 11/29/03 Analyzed: 11/29/03 17:06 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2470	61000

1 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.

1/9/2004 10:06:08

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87395
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP (NELAP WW/HD - 62006
 EQB - Certified Puerto Rico Chemist
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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-1/12-14</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194628</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Description: <u>None</u>	Prep Level: <u>Soil</u>	Batch: <u>32706</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/kg</u>	Target List: <u>TPHGPT12MED</u>
Prep Factor: <u>0.95999998</u>	Leached: <u>n/a</u>	Collected: <u>11/18/03</u>
		Received: <u>11/20/03</u>
		Prepared: <u>11/29/03</u>
		Analyzed: <u>11/29/03 17:33 CCW</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2400	61000

1 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/ID) - 02306
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1/9/2004 10:06:08



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Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-1/12-14MS</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194628MS</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Description: <u>None</u>	Prep Level: <u>Soil</u>	Batch: <u>32706</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/kg</u>	Target List: <u>TPHGPT12MED</u>
Prep Factor: <u>0.91000003</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>
Leached: <u>n/a</u>	Prepared: <u>11/29/03</u>	Analyzed: <u>11/29/03 17:59 CCW</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	24200		2275	61000

1 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.

1/9/2004 10:06:09

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/KQ) - 02006
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-1/12-14MSD</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194628MSD</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Description: <u>None</u>	Prep Level: <u>Soil</u>	Batch: <u>32706</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/kg</u>	Target List: <u>TPHGPT12MED</u>
Prep Factor: <u>1.04999995</u>	Leached: <u>n/a</u>	Collected: <u>11/18/03</u>
		Received: <u>11/20/03</u>
		Prepared: <u>11/29/03</u>
		Analyzed: <u>11/29/03</u> 18:26 <u>CCW</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	28200		2625	61000

1 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.

1/9/2004 10:06:09

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HQ) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-2/0-2</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	Prep Level: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Lab ID: <u>20194629</u>	Units: <u>ug/kg</u>	Batch: <u>32706</u>	Target List: <u>TPHGPT12MED</u>
Description: <u>None</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Prepared: <u>11/29/03</u>	Analyzed: <u>11/29/03</u>	<u>18:52 CCW</u>
Prep Factor: <u>0.94800001</u>	Leached: <u>n/a</u>		

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	6490		2370	61000

1 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.
Q= 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.

1/9/2004 10:06:09

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: MW-2/8-10

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194630

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 32706

Method: SW 8015B TPH Gasoline Range Organics (C6-C12)

Units: ug/kg

Target List: TPHGPT12MED

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 0.99800003

Leached: n/a

Prepared: 11/29/03

Analyzed: 11/29/03 19:19 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2495	61000

1 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/ND) - 02006
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1/9/2004 10:06:10



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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-2/12-14</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194631</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>
Description: <u>None</u>	Prep Level: <u>Soil</u>	Batch: <u>32706</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/kg</u>	Target List: <u>TPHGPT12MED</u>
Prep Factor: <u>0.91200000</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>
Leached: <u>n/a</u>	Prepared: <u>11/29/03</u>	Analyzed: <u>11/29/03 19:46 CCW</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2280	61000

1 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.

1/9/2004 10:06:10

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10286
LELAP (NELAP W/NZ) - 02006
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Report of Laboratory Analysis

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Saint Rose, LA 70087

Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.

Client ID: MW-3/2-4

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20194632

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 32706

Method: SW 8015B TPH Gasoline Range Organics (C6-C12)

Units: ug/kg

Target List: TPHGPT12MED

Prep Factor: 1.05799997

Leached: n/a

Collected: 11/18/03

Received: 11/20/03

Prepared: 11/29/03

Analyzed: 11/29/03 20:13 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	9530		2645	61000

1 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.

1/9/2004 10:06:10

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (LELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WWH/2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
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Report of Laboratory Analysis

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

Phone: 504.489.0333
Fax: 504.489.0555

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Client: CHEVRON PRODUCTS CO.
 Client ID: MW-3/8-10 Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194633 Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 32706
 Method: SW 8015B TPH Gasoline Range Organics (C6-C12) Units: ug/kg Target List: TPHGPT12MED
 Prep Factor: 1.03799999 Leached: n/a Collected: 11/18/03 Received: 11/20/03
 Prepared: 11/29/03 Analyzed: 11/29/03 20:39 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2595	61000

1 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.

1/9/2004 10:06:11

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87295
 Kansas Dept. of Health & Environment/ELWHW - E-10286
 LELAP (NELAP WW/HD - 02006
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture (Anima) & Plant Health Inspection Services -
 Foreign Sell Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.

Client ID: MW-3/12-14 Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194634 Matrix: Soil % Moisture: Not Corrected
 Description: None Prep Level: Soil Batch: 32706
 Method: SW 8015B TPH Gasoline Range Organics (C6-C12) Units: ug/kg Target List: TPHGPT12MED
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 0.93000001 Leached: n/a Prepared: 11/29/03 Analyzed: 11/29/03 21:06 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2325	61000

1 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.

1/9/2004 10:06:11

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - EB7593
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP (NELAP WW/HQ) - 02006
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Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-4/0-2</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194647</u>	Prep Level: <u>Soil</u>	Batch: <u>32628</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>TPHGPT12MED</u>	
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>0.98400003</u>	Leached: <u>n/a</u>	Prepared: <u>11/24/03</u>	Analyzed: <u>11/26/03 23:41 CCW</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2460	61000

1 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.

1/9/2004 10:06:11

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELW/WH - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
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 Phone: 504.469.0333
 Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.

Client ID: <u>MW-4/6-8</u>	Site: <u>None</u>	Project No.: <u>2023706</u>	Sample Qu:
Project: <u>60109060</u>	Matrix: <u>Soil</u>	% Moisture: <u>Not Corrected</u>	
Lab ID: <u>20194649</u>	Prep Level: <u>Soil</u>	Batch: <u>32628</u>	
Description: <u>None</u>	Units: <u>ug/kg</u>	Target List: <u>TPHGPT12MED</u>	
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>	
Prep Factor: <u>0.92799997</u>	Leached: <u>n/a</u>	Prepared: <u>11/24/03</u>	Analyzed: <u>11/27/03 00:07 CCW</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		2320	61000

1 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.

1/9/2004 10:06:12

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - EB7595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP (NELAP MW/12) - 02006
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Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>WE-1</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194658</u>	Matrix: <u>Water</u>	% Moisture: <u>n/a</u>
Description: <u>None</u>	Prep Level: <u>Water</u>	Batch: <u>32841</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/L</u>	Target List: <u>TPHGPT12WAT</u>
Prep Factor: <u>1</u>	Leached: <u>n/a</u>	Collected: <u>11/18/03</u>
		Received: <u>11/20/03</u>
		Prepared: <u>11/26/03</u>
		Analyzed: <u>11/26/03</u> <u>04:49 NMJ</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		50.0	150.

1 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.

1/9/2004 10:06:12

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP) Drinking Water LA 030613
Florida Dept. of Health/Hazardous Waste - EB7593
Kansas Dept. of Health & Environment/ELWHW - E-10266
ELAP (NELAP) WWAID - 02006
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Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.

Client ID: WE-1MS Site: None
 Project: 60109060 Project No.: 2023706 Sample Qu:
 Lab ID: 20194658MS Matrix: Water % Moisture: n/a
 Description: None Prep Level: Water Batch: 32841
 Method: SW 8015B TPH Gasoline Range Organics (C6-C12) Units: ug/L Target List: TPHGPT12WAT
 Collected: 11/18/03 Received: 11/20/03
 Prep Factor: 1 Leached: n/a Prepared: Analyzed: 11/26/03 05:16 NMJ

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	503.		50.0	150.

1 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.

1/9/2004 10:06:12

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - EB7595
 Kansas Dept. of Health & Environment/ELW/WW - E-10266
 IELAP (NELAP WW/H2O - 02005)
 EOB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Client ID: <u>WE-1MSD</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu:
Lab ID: <u>20194658MSD</u>	Matrix: <u>Water</u>	% Moisture: <u>n/a</u>
Description: <u>None</u>	Prep Level: <u>Water</u>	Batch: <u>32841</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/L</u>	Target List: <u>TPHGPT12WAT</u>
Prep Factor: <u>1</u>	Collected: <u>11/18/03</u>	Received: <u>11/20/03</u>
Leached: <u>n/a</u>	Prepared:	Analyzed: <u>11/26/03 05:43 NMI</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	503.		50.0	150.

1 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.

1/9/2004 10:06:13

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07593
Kansas Dept. of Health & Environment/ELWHW - E-00266
LELAP (NELAP WW/HD) - 02006
EQB - Certified Puerto Rico Chemist
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

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Client: CHEVRON PRODUCTS CO.

Client ID: <u>WF-1</u>	Site: <u>None</u>	
Project: <u>60109060</u>	Project No.: <u>2023706</u>	Sample Qu: <u></u>
Lab ID: <u>20194659</u>	Matrix: <u>Water</u>	% Moisture: <u>n/a</u>
Description: <u>None</u>	Prep Level: <u>Water</u>	Batch: <u>32841</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/L</u>	Target List: <u>TPHGPT12WAT</u>
Prep Factor: <u>1</u>	Leached: <u>n/a</u>	Collected: <u>11/18/03</u>
		Received: <u>11/20/03</u>
		Prepared: <u></u>
		Analyzed: <u>11/26/03 06:10 NMI</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		50.0	150.

1 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.

1/9/2004 10:06:13

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW19W - E-10266
LELAP (NELAP WW/H2) - 02006
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Client: CHEVRON PRODUCTS CO.

Client ID: <u>WT-1</u>	Site: <u>None</u>
Project: <u>60109060</u>	Project No.: <u>2023706</u> Sample Qu:
Lab ID: <u>20194660</u>	Matrix: <u>Water</u> % Moisture: <u>n/a</u>
Description: <u>None</u>	Prep Level: <u>Water</u> Batch: <u>32841</u>
Method: <u>SW 8015B TPH Gasoline Range Organics (C6-C12)</u>	Units: <u>ug/L</u> Target List: <u>TPHGPT12WAT</u>
Prep Factor: <u>1</u>	Collected: <u>11/18/03</u> Received: <u>11/20/03</u>
Leached: <u>n/a</u>	Prepared: Analyzed: <u>11/26/03 06:37 NMI</u>

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	1	ND		50.0	150.

1 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.

1/9/2004 10:06:13

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
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Phone: 504.469.0333
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Client: CHEVRON PRODUCTS CO.

Client ID: MW-1/2-4 (SPLP)

Site: None

Project: 60109060

Project No.: 2023706

Sample Qu:

Lab ID: 20196935

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 33313

Method: SW 8015B TPH Gasoline Range Organics (C6-C12)

Units: ug/L

Target List: TPHGPT12WAT

Collected: 11/18/03

Received: 11/20/03

Prep Factor: 1

Leached: n/a

Prepared:

Analyzed: 12/04/03 17:05 NMJ

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C12)	10	14000	D1	500.	150.

1 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/s denotes not applicable.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP) WWRK2 - 02005
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1/9/2004 10:06:14



Report of Quality Control

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

Phone: 504.469.0333
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Method: Low Soil GC/MS Volatile Organics

Project No.: 2023706

Batch: 32772

Units: ug/kg

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Benzene	50	107			48	117	122	4		66 - 130	36 - 136	50	
Benzene	2500	127			2500					66 - 127	46 - 146	50	
Ethylbenzene	50	82			48	100	111	10		65 - 125	7 - 141	50	
Ethylbenzene	2500	118			2500					53 - 128	32 - 138	50	
Methyl tert-butyl ether (MTBE)	50	98			48	101	106	5		50 - 150	50 - 150	50	
Methyl tert-butyl ether (MTBE)	2500	102			2500					-	-		
Toluene	50	86			48	91	95	4		66 - 128	24 - 140	50	
Toluene	2500	100			2500					56 - 139	43 - 141	50	
m,p-Xylene	100	85			96	106	114	7		50 - 150	50 - 150	50	
m,p-Xylene	5000	123			5000					50 - 150	50 - 150	50	
o-Xylene	50	83			48	113	120	7		50 - 150	50 - 150	50	
o-Xylene	2500	114			2500					50 - 150	50 - 150	50	

12 compound(s) reported

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2004 10:06:16

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
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Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

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Method: Water GC/MS Volatile Organics

Project No.: 2023706

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Acetone (2-Propanone, Dimethyl ketone)	100	84			100					50 - 150	50 - 150	25	
Acetone (2-Propanone, Dimethyl ketone)	100	93			100					50 - 150	50 - 150	25	
Acetone (2-Propanone, Dimethyl ketone)	100	50			100					50 - 150	50 - 150	25	
Acetone (2-Propanone, Dimethyl ketone)	100	69			100					50 - 150	50 - 150	25	
Acetone (2-Propanone, Dimethyl ketone)	100	69			100					50 - 150	50 - 150	25	
Acetone (2-Propanone, Dimethyl ketone)	100	69			100					50 - 150	50 - 150	25	
Benzene	50	121			50	126	134	6		74 - 131	64 - 140	25	
Benzene	50	124			50					74 - 131	64 - 140	25	
Benzene	50	127			50					74 - 131	64 - 140	25	
Benzene	50	93			50					74 - 131	64 - 140	25	
Acrylonitrile (2-Propenenitrile)	50	121			200					50 - 150	50 - 150	25	
Acrylonitrile (2-Propenenitrile)	50	121			200					50 - 150	50 - 150	25	
Bromodichloromethane	50	104			50					70 - 130	61 - 150	25	
Bromodichloromethane	50	95			50					70 - 130	61 - 150	25	
Bromodichloromethane	50	94			50					70 - 130	61 - 150	25	
Bromodichloromethane	50	114			50					70 - 130	61 - 150	25	
Benzene	50	93			50					74 - 131	64 - 140	25	
Benzene	50	93			50					74 - 131	64 - 140	25	
Bromoform	50	103			50					69 - 150	63 - 150	25	
Bromoform	50	104			50					69 - 150	63 - 150	25	
Bromoform	50	104			50					69 - 150	63 - 150	25	
Bromoform	50	90			50					69 - 150	63 - 150	25	
Bromochloromethane	50	99			50					70 - 130	70 - 130	25	
Bromochloromethane	50	99			50					70 - 130	70 - 130	25	
Bromomethane (Methyl bromide)	50	136			50					53 - 140	51 - 144	25	
Bromomethane (Methyl bromide)	50	120			50					53 - 140	51 - 144	25	
Bromomethane (Methyl bromide)	50	114			50					53 - 140	51 - 144	25	
Bromomethane (Methyl bromide)	50	87			50					53 - 140	51 - 144	25	
Bromodichloromethane	50	114			50					70 - 130	61 - 150	25	
Bromodichloromethane	50	114			50					70 - 130	61 - 150	25	
2-Butanone (Methyl ethyl ketone)	100	72			100					50 - 150	50 - 150	25	
2-Butanone (Methyl ethyl ketone)	100	74			100					50 - 150	50 - 150	25	
2-Butanone (Methyl ethyl ketone)	50	72			100					50 - 150	50 - 150	25	
2-Butanone (Methyl ethyl ketone)	100	84			100					50 - 150	50 - 150	25	
Bromoform	50	90			50					69 - 150	63 - 150	25	
Bromoform	50	90			50					69 - 150	63 - 150	25	
Carbon disulfide	50	90			50					50 - 141	50 - 143	25	
Carbon disulfide	50	91			50					50 - 141	50 - 143	25	
Carbon disulfide	50	98			50					50 - 141	50 - 143	25	

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2004 10:06:17

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWRW - E-10266
LELAP (NELAP WW/HZ - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

Method: Water GC/MS Volatile Organics

Project No.: 2023706

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Carbon disulfide	50	52			50					50 - 141	50 - 143	25	
Bromomethane (Methyl bromide)	50	87			50					53 - 140	51 - 144	25	
Bromomethane (Methyl bromide)	50	87			50					53 - 140	51 - 144	25	
Carbon tetrachloride	50	157 *			50					59 - 150	50 - 150	25	Q10
Carbon tetrachloride	50	144			50					59 - 150	50 - 150	25	
Carbon tetrachloride	50	155 *			50					59 - 150	50 - 150	25	Q10
Carbon tetrachloride	50	92			50					59 - 150	50 - 150	25	
2-Butanone (Methyl ethyl ketone)	100	84			100					50 - 150	50 - 150	25	
2-Butanone (Methyl ethyl ketone)	100	84			100					50 - 150	50 - 150	25	
Chlorobenzene	50	110			50					76 - 131	69 - 136	25	
Chlorobenzene	50	114			50					76 - 131	69 - 136	25	
Chlorobenzene	50	112			50					76 - 131	69 - 136	25	
Chlorobenzene	50	88			50					76 - 131	69 - 136	25	
Carbon disulfide	50	52			50					50 - 141	50 - 143	25	
Carbon disulfide	50	52			50					50 - 141	50 - 143	25	
Chloroethane	50	97			50					50 - 143	50 - 148	25	
Chloroethane	50	104			50					50 - 143	50 - 148	25	
Chloroethane	50	101			50					50 - 143	50 - 148	25	
Chloroethane	50	85			50					50 - 143	50 - 148	25	
1,2-Dichlorobenzene (o-Dichlorobenze	50	90			50					74 - 130	62 - 146	25	
1,2-Dichlorobenzene (o-Dichlorobenze	50	90			50					74 - 130	62 - 146	25	
Chloroform	50	100			50					74 - 133	69 - 137	25	
Chloroform	50	102			50					74 - 133	69 - 137	25	
Chloroform	50	106			50					74 - 133	69 - 137	25	
Chloroform	50	103			50					74 - 133	69 - 137	25	
1,4-Dichlorobenzene (p-Dichlorobenze	50	90			50					71 - 125	57 - 143	25	
1,4-Dichlorobenzene (p-Dichlorobenze	50	90			50					71 - 125	57 - 143	25	
Chloromethane (Methyl chloride)	50	61			50					50 - 149	50 - 150	25	
Chloromethane (Methyl chloride)	50	69			50					50 - 149	50 - 150	25	
Chloromethane (Methyl chloride)	50	62			50					50 - 149	50 - 150	25	
Chloromethane (Methyl chloride)	50	55			50					50 - 149	50 - 150	25	
Carbon tetrachloride	50	92			50					59 - 150	50 - 150	25	
Carbon tetrachloride	50	92			50					59 - 150	50 - 150	25	
1,2-Dibromo-3-chloropropane (DBCP)	50	57			50					50 - 150	50 - 150	25	
1,2-Dibromo-3-chloropropane (DBCP)	50	67			50					50 - 150	50 - 150	25	
1,2-Dibromo-3-chloropropane (DBCP)	50	60			50					50 - 150	50 - 150	25	
Dibromochloromethane	50	94			50					73 - 150	68 - 150	25	
Chlorobenzene	50	88			50					76 - 131	69 - 136	25	
Chlorobenzene	50	88			50					76 - 131	69 - 136	25	

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

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7995
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WWHZ) - 02005
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Report of Quality Control

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Phone: 504.469.0333
Fax: 504.469.0555

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Method: Water GC/MS Volatile Organics

Project No.: 2023706

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (I)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
1,2-Dibromoethane (Ethylene dibromid	50	95			50					74 - 141	50 - 146	25	
1,2-Dibromoethane (Ethylene dibromid	50	93			50					74 - 141	50 - 146	25	
1,2-Dibromoethane (Ethylene dibromid	50	89			50					74 - 141	50 - 146	25	
1,2-Dibromo-3-chloropropane (DBCP)	50	83			50					50 - 150	50 - 150	25	
Chloroethane	50	85			50					50 - 143	50 - 148	25	
Chloroethane	50	85			50					50 - 143	50 - 148	25	
Dichlorodifluoromethane (Freon 12)	50	101			50					50 - 150	50 - 150	25	
Dichlorodifluoromethane (Freon 12)	50	161 *			50					50 - 150	50 - 150	25	Q10
Dichlorodifluoromethane (Freon 12)	50	87			50					50 - 150	50 - 150	25	
1,1-Dichloroethane	50	91			50					64 - 136	61 - 139	25	
Chloroform	50	103			50					74 - 133	69 - 137	25	
Chloroform	50	103			50					74 - 133	69 - 137	25	
Dibromochloromethane	50	109			50					73 - 150	68 - 150	25	
Dibromochloromethane	50	109			50					73 - 150	68 - 150	25	
Dibromochloromethane	50	103			50					73 - 150	68 - 150	25	
1,2-Dichloroethane (Ethylene dichlorid	50	108			50					62 - 150	57 - 150	25	
Chloromethane (Methyl chloride)	50	55			50					50 - 149	50 - 150	25	
Chloromethane (Methyl chloride)	50	55			50					50 - 149	50 - 150	25	
1,1-Dichloroethane	50	106			50					64 - 136	61 - 139	25	
1,1-Dichloroethane	50	100			50					64 - 136	61 - 139	25	
1,1-Dichloroethane	50	100			50					64 - 136	61 - 139	25	
1,1-Dichloroethene (Dichloroethylene)	50	66			50					50 - 140	50 - 143	25	
Dibromochloromethane	50	94			50					73 - 150	68 - 150	25	
Dibromochloromethane	50	94			50					73 - 150	68 - 150	25	
1,2-Dichloroethane (Ethylene dichlorid	50	151			50	152 *	163 *	7		62 - 151	57 - 151	25	Q1
1,2-Dichloroethane (Ethylene dichlorid	50	160 *			50					62 - 150	57 - 150	25	Q10
1,2-Dichloroethane (Ethylene dichlorid	50	157 *			50					62 - 150	57 - 150	25	Q10
cis-1,2-Dichloroethene	50	92			50					52 - 143	50 - 150	50	
1,2-Dibromo-3-chloropropane (DBCP)	50	83			50					50 - 150	50 - 150	25	
1,2-Dibromo-3-chloropropane (DBCP)	50	83			50					50 - 150	50 - 150	25	
1,1-Dichloroethene (Dichloroethylene)	50	101			50					50 - 140	50 - 143	25	
1,1-Dichloroethene (Dichloroethylene)	50	101			50					50 - 140	50 - 143	25	
1,1-Dichloroethene (Dichloroethylene)	50	96			50					50 - 140	50 - 143	25	
trans-1,2-Dichloroethene	50	85			50					52 - 135	50 - 139	25	
1,2-Dibromoethane (Ethylene dibromid	50	104			50					74 - 141	50 - 146	25	
1,2-Dibromoethane (Ethylene dibromid	50	104			50					74 - 141	50 - 146	25	
cis-1,2-Dichloroethene	50	91			50					52 - 143	50 - 150	50	
cis-1,2-Dichloroethene	50	91			50					52 - 143	50 - 150	50	
cis-1,2-Dichloroethene	50	94			50					52 - 143	50 - 150	50	

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

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Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
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U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:18



Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC/MS Volatile Organics

Project No.: 2023706

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
1,2-Dichloropropane	50	98			50					70 - 138	60 - 142	25	
Dibromomethane (Methylene bromide)	50	104			50					61 - 150	60 - 150	25	
Dibromomethane (Methylene bromide)	50	104			50					61 - 150	60 - 150	25	
trans-1,2-Dichloroethene	50	95			50					52 - 135	50 - 139	25	
trans-1,2-Dichloroethene	50	95			50					52 - 135	50 - 139	25	
trans-1,2-Dichloroethene	50	98			50					52 - 135	50 - 139	25	
cis-1,3-Dichloropropene	50	99			50					73 - 145	69 - 146	25	
trans-1,4-Dichloro-2-butene	50	82			50					50 - 150	50 - 150	25	
trans-1,4-Dichloro-2-butene	50	82			50					50 - 150	50 - 150	25	
1,2-Dichloropropane	50	88			50					70 - 138	68 - 142	25	
1,2-Dichloropropane	50	88			50					70 - 138	68 - 142	25	
1,2-Dichloropropane	50	92			50					70 - 138	68 - 142	25	
trans-1,3-Dichloropropene	50	96			50					65 - 150	60 - 150	25	
1,1-Dichloroethane	50	91			50					64 - 136	61 - 139	25	
1,1-Dichloroethane	50	91			50					64 - 136	61 - 139	25	
cis-1,3-Dichloropropene	50	81			50					73 - 145	69 - 146	25	
cis-1,3-Dichloropropene	50	80			50					73 - 145	69 - 146	25	
cis-1,3-Dichloropropene	50	85			50					73 - 145	69 - 146	25	
Ethylbenzene	50	88			50					65 - 133	57 - 138	25	
1,2-Dichloroethane (Ethylene dichlorid)	50	108			50					62 - 150	57 - 150	25	
1,2-Dichloroethane (Ethylene dichlorid)	50	108			50					62 - 150	57 - 150	25	
trans-1,3-Dichloropropene	50	79			50					65 - 150	60 - 150	25	
trans-1,3-Dichloropropene	50	90			50					65 - 150	60 - 150	25	
trans-1,3-Dichloropropene	50	83			50					65 - 150	60 - 150	25	
1,1-Dichloroethene (Dichloroethylene)	50	66			50					50 - 140	50 - 143	25	
1,1-Dichloroethene (Dichloroethylene)	50	66			50					50 - 140	50 - 143	25	
Ethylbenzene	50	117			50					65 - 133	57 - 138	25	
Ethylbenzene	50	119			50					65 - 133	57 - 138	25	
Ethylbenzene	50	115			50	122	120	1		65 - 133	57 - 138	25	
Methylene chloride (Dichloromethane)	50	95			50					50 - 150	50 - 144	25	
cis-1,2-Dichloroethene	50	92			50					52 - 143	50 - 150	50	
cis-1,2-Dichloroethene	50	92			50					52 - 143	50 - 150	50	
2-Hexanone	100	80			100					50 - 150	50 - 150	25	
2-Hexanone	100	85			100					50 - 150	50 - 150	25	
2-Hexanone	50	84			100					50 - 150	50 - 150	25	
4-Methyl-2-pentanone (MIBK)	100	38 *			100					50 - 150	50 - 150	25	
trans-1,2-Dichloroethene	50	85			50					52 - 135	50 - 139	25	
trans-1,2-Dichloroethene	50	85			50					52 - 135	50 - 139	25	
Isopropylbenzene (Cumene)	50	104			50					62 - 134	54 - 141	25	

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

1/9/2004 10:06:19

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87395
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Quality Control

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

Phone: 504.469.0333
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Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (I)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Isopropylbenzene (Cumene)	50	102			50					62 - 134	54 - 141	25	
Isopropylbenzene (Cumene)	50	104			50					62 - 134	54 - 141	25	
1,2-Dichloropropane	50	98			50					70 - 138	68 - 142	25	
1,2-Dichloropropane	50	98			50					70 - 138	68 - 142	25	
Styrene	50	91			50					50 - 134	56 - 143	25	
cis-1,3-Dichloropropene	50	99			50					73 - 145	69 - 146	25	
cis-1,3-Dichloropropene	50	99			50					73 - 145	69 - 146	25	
Methylene chloride (Dichloromethane)	50	95			50					50 - 150	50 - 144	25	
Methylene chloride (Dichloromethane)	50	98			50					50 - 150	50 - 144	25	
Methylene chloride (Dichloromethane)	50	92			50					50 - 150	50 - 144	25	
1,1,1,2-Tetrachloroethane	50	92			50					80 - 146	75 - 150	25	
trans-1,3-Dichloropropene	50	96			50					65 - 150	60 - 150	25	
trans-1,3-Dichloropropene	50	96			50					65 - 150	60 - 150	25	
4-Methyl-2-pentanone (MIBK)	50	88			100					50 - 150	50 - 150	25	
4-Methyl-2-pentanone (MIBK)	100	85			100					50 - 150	50 - 150	25	
4-Methyl-2-pentanone (MIBK)	100	91			100					50 - 150	50 - 150	25	
1,1,2,2-Tetrachloroethane	50	89			50					56 - 146	58 - 143	25	
Ethylbenzene	50	88			50					65 - 133	57 - 138	25	
Ethylbenzene	50	88			50					65 - 133	57 - 138	25	
Methyl tert-butyl ether (MTBE)	50	106			50	117	120	3		50 - 142	50 - 150	25	
Methyl tert-butyl ether (MTBE)	50	102			50					50 - 142	50 - 150	25	
Methyl tert-butyl ether (MTBE)	50	106			50					50 - 142	50 - 150	25	
Tetrachloroethene (Perchloroethylene)	50	81			50					50 - 150	50 - 150	25	
2-Hexanone	100	66			100					50 - 150	50 - 150	25	
2-Hexanone	100	66			100					50 - 150	50 - 150	25	
Styrene	50	117			50					50 - 134	56 - 143	25	
Styrene	50	118			50					50 - 134	56 - 143	25	
Styrene	50	119			50					50 - 134	56 - 143	25	
Toluene	50	99			50					73 - 133	54 - 148	25	
Iodomethane (Methyl iodide)	50	74			50					50 - 150	50 - 150	25	
Iodomethane (Methyl iodide)	50	74			50					50 - 150	50 - 150	25	
1,1,2,2-Tetrachloroethane	50	82			50					56 - 146	58 - 143	25	
1,1,2,2-Tetrachloroethane	50	82			50					56 - 146	58 - 143	25	
1,1,2,2-Tetrachloroethane	50	77			50					56 - 146	58 - 143	25	
1,2,4-Trichlorobenzene	50	95			50					64 - 139	59 - 145	25	
Methylene chloride (Dichloromethane)	50	95			50					50 - 150	50 - 144	25	
Methylene chloride (Dichloromethane)	50	95			50					50 - 150	50 - 144	25	
Tetrachloroethene (Perchloroethylene)	50	124			50					50 - 150	50 - 150	25	
Tetrachloroethene (Perchloroethylene)	50	125			50					50 - 150	50 - 150	25	

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELNHW - E-10286
LELAP (NELAP WW/H2) - 0206
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)

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Report of Quality Control

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

Phone: 504.469.0333
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www.pacelabs.com

Method: Water GC/MS Volatile Organics

Project No.: 2023706

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD
Tetrachloroethene (Perchloroethylene)	50	130			50					50 - 150	50 - 150	25
1,1,1-Trichloroethane (Methyl chlorofo	50	86			50					69 - 138	60 - 143	25
4-Methyl-2-pentanone (MIBK)	100	38 *			100					50 - 150	50 - 150	25
4-Methyl-2-pentanone (MIBK)	100	38 *			100					50 - 150	50 - 150	25
Toluene	50	102			50					73 - 133	54 - 148	25
Toluene	50	98			50	106	108	2		73 - 133	54 - 148	25
Toluene	50	100			50					73 - 133	54 - 148	25
1,1,2-Trichloroethane	50	105			50					75 - 146	70 - 149	25
Styrene	50	91			50					50 - 134	56 - 143	25
Styrene	50	91			50					50 - 134	56 - 143	25
1,1,1-Trichloroethane (Methyl chlorofo	50	109			50					69 - 138	60 - 143	25
1,1,1-Trichloroethane (Methyl chlorofo	50	105			50					69 - 138	60 - 143	25
1,1,1-Trichloroethane (Methyl chlorofo	50	104			50					69 - 138	60 - 143	25
Trichloroethene (Trichloroethylene)	50	87			50					76 - 138	66 - 146	25
1,1,1,2-Tetrachloroethane	50	92			50					80 - 146	75 - 150	25
1,1,1,2-Tetrachloroethane	50	92			50					80 - 146	75 - 150	25
1,1,2-Trichloroethane	50	86			50					75 - 146	70 - 149	25
1,1,2-Trichloroethane	50	93			50					75 - 146	70 - 149	25
1,1,2-Trichloroethane	50	91			50					75 - 146	70 - 149	25
Trichlorofluoromethane (Freon 11)	50	92			50					50 - 150	50 - 150	25
1,1,2,2-Tetrachloroethane	50	89			50					56 - 146	58 - 143	25
1,1,2,2-Tetrachloroethane	50	89			50					56 - 146	58 - 143	25
Trichloroethene (Trichloroethylene)	50	111			50					76 - 138	66 - 146	25
Trichloroethene (Trichloroethylene)	50	116			50					76 - 138	66 - 146	25
Trichloroethene (Trichloroethylene)	50	118			50					76 - 138	66 - 146	25
Vinyl chloride (Chloroethene)	50	68			50					50 - 144	50 - 146	25
Tetrachloroethene (Perchloroethylene)	50	81			50					50 - 150	50 - 150	25
Tetrachloroethene (Perchloroethylene)	50	81			50					50 - 150	50 - 150	25
Trichlorofluoromethane (Freon 11)	50	162 *			50					50 - 150	50 - 150	25 Q10
Trichlorofluoromethane (Freon 11)	50	140			50					50 - 150	50 - 150	25
Trichlorofluoromethane (Freon 11)	50	131			50					50 - 150	50 - 150	25
m,p-Xylene	100	90			100					72 - 130	70 - 130	25
Toluene	50	99			50					73 - 133	54 - 148	25
Toluene	50	99			50					73 - 133	54 - 148	25
Vinyl chloride (Chloroethene)	50	75			50					50 - 144	50 - 146	25
Vinyl chloride (Chloroethene)	50	86			50					50 - 144	50 - 146	25
Vinyl chloride (Chloroethene)	50	78			50					50 - 144	50 - 146	25
o-Xylene	50	93			50					74 - 133	64 - 141	25
1,1,1-Trichloroethane (Methyl chlorofo	50	86			50					69 - 138	60 - 143	25

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

1/9/2004 10:06:20

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87395
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/02) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Quality Control

Pace Analytical Services, Inc.
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Saint Rosa, LA 70087

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www.pacelabs.com

Method: Water GC/MS Volatile Organics

Project No.: 2023706

Batch: 32861

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
1,1,1-Trichloroethane (Methyl chlorofo	50	86			50						69 - 138	60 - 143	25
m,p-Xylene	100	122			100	124	123		1		72 - 130	70 - 130	25
m,p-Xylene	100	121			100						72 - 130	70 - 130	25
m,p-Xylene	100	126			100						72 - 130	70 - 130	25
1,1,2-Trichloroethane	50	105			50						75 - 146	70 - 149	25
1,1,2-Trichloroethane	50	105			50						75 - 146	70 - 149	25
o-Xylene	50	115			50						74 - 133	64 - 141	25
o-Xylene	50	114			50						74 - 133	64 - 141	25
o-Xylene	50	116			50	125	121		3		74 - 133	64 - 141	25
Trichloroethene (Trichloroethylene)	50	87			50						76 - 138	66 - 146	25
Trichloroethene (Trichloroethylene)	50	87			50						76 - 138	66 - 146	25
Trichlorofluoromethane (Freon 11)	50	92			50						50 - 150	50 - 150	25
Trichlorofluoromethane (Freon 11)	50	92			50						50 - 150	50 - 150	25
1,2,3-Trichloropropane	50	79			50						55 - 150	63 - 150	25
1,2,3-Trichloropropane	50	79			50						55 - 150	63 - 150	25
Vinyl chloride (Chloroethene)	50	68			50						50 - 144	50 - 146	25
Vinyl chloride (Chloroethene)	50	68			50						50 - 144	50 - 146	25
m,p-Xylene	100	90			100						72 - 130	70 - 130	25
m,p-Xylene	100	90			100						72 - 130	70 - 130	25
o-Xylene	50	93			50						74 - 133	64 - 141	25
o-Xylene	50	93			50						74 - 133	64 - 141	25
Acrolein (2-Propenal)	200	86			200						50 - 150	50 - 150	25
Acrolein (2-Propenal)	200	86			200						50 - 150	50 - 150	25
Allyl chloride (3-Chloropropene)	50	86			100						50 - 150	50 - 150	25
Allyl chloride (3-Chloropropene)	50	86			100						50 - 150	50 - 150	25
Chloroprene (2-Chloro-1,3-butadiene)	50	90			50						53 - 150	50 - 139	25
Chloroprene (2-Chloro-1,3-butadiene)	50	90			50						53 - 150	50 - 139	25
1,3-Dichloropropane	50	92			50						74 - 134	59 - 150	25
1,3-Dichloropropane	50	92			50						74 - 134	59 - 150	25
2,2-Dichloropropane	50	90			50						53 - 146	70 - 130	25
2,2-Dichloropropane	50	90			50						53 - 146	70 - 130	25
1,1-Dichloropropene	50	88			50						74 - 144	63 - 150	25
1,1-Dichloropropene	50	88			50						74 - 144	63 - 150	25

267 compound(s) reported

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2004 10:06:20

Laboratory Certifications:

Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013

Florida Dept. of Health/Hazardous Waste - EB7595

Kansas Dept. of Health & Environment/ELWHW - E-10266

LELAP (NELAP WWA/12) - 02006

EQB - Certified Puerto Rico Chemist

U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -

Foreign Soil Import (U.S. Territories)



Report of Quality Control

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

Phone: 504.469.0333
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www.pacelabs.com

Method: Leachate GC/MS Volatile Organics

Project No.: 2023706

Batch: 33755

Units: mg/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	LCS	MS/MSD	RPD	
Benzene	500	99			500	96	99	4	70 - 137	63 - 146	50	
2-Butanone (Methyl ethyl ketone)	500	104			500	102	100	2	22 - 165	8 - 181	50	
Carbon tetrachloride	500	72			500	69	69	1	63 - 151	63 - 150	50	
Chlorobenzene	500	105			500	105	107	2	70 - 134	69 - 133	50	
Chloroform	500	90			500	88	91	4	74 - 129	71 - 132	50	
1,2-Dichloroethane (Ethylene dichlorid)	500	90			500	87	87	0	64 - 148	62 - 150	50	
1,1-Dichloroethene (Dichloroethylene)	500	97			500	92	97	5	57 - 150	57 - 152	50	
Tetrachloroethene (Perchloroethylene)	500	91			500	90	90	0	48 - 136	51 - 133	50	
Trichloroethene (Trichloroethylene)	500	93			500	89	91	2	52 - 145	52 - 144	50	
Vinyl chloride (Chloroethene)	500	86			500	80	86	6	31 - 167	29 - 166	50	

10 compound(s) reported

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

1/9/2004 10:06:21

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water: LA 030013
Florida Dept. of Health/Hazardous Waste - E87395
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Low Soil GC/MS Volatile Organics

Report: 2023706

Batch: 32772

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20194520	Sample	84	99	82					
20194521	Sample	83	104	81					
20194522	Sample	82	98	79					
20194523	Sample D2	72	104	94					
20194524	Sample	73	107	88					
20194527	Sample	83	99	68					
20194528	Sample	74	98	88					
20194529	Sample	83	94	76					
20194531	Sample	81	95	70					
20194623	Sample D2	82	102	79					
20194626	Sample	79	101	82					
20194628	Sample	83	99	69					
20194629	Sample	83	95	75					
20194630	Sample	81	98	84					
20194631	Sample	80	100	84					
20194632	Sample	79	103	88					
20194633	Sample	85	97	85					
20194634	Sample	83	93	87					
20194647	Sample	80	97	87					
20194649	Sample	82	98	87					
32772BA24	Blank	81	101	71					
32772BA25	Blank	81	99	85					
32772MS	Spike	86	93	69					
32772MSD	Spike Dup	82	102	67					
32772SA24	LCS	82	99	82					
32772SA25	LCS	81	86	81					

QC limits: 65-124 55-160 59-139

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WAW/HZ) - 02006
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U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
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Method: Water GC/MS Volatile Organics

Report: 2023706

Batch: 32861

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20190352	Sample	99	104	94					
20193509	Sample	102	96	95					
20193510	Sample	101	101	93					
20193511	Sample	106	86	94					
20194554	Sample	78	100	83					
20194555	Sample	79	103	83					
20194556	Sample	80	102	84					
20194557	Sample	82	102	82					
20194603	Sample D2	83	96	88					
20194604	Sample D2	84	101	82					
20194605	Sample D2	85	97	82					
20194605DL	Dilution D1	82	95	85					
20194658	Sample	77	96	70					
20194659	Sample	77	97	78					
20194660	Sample	78	102	81					
20196446	Sample D2	86	98	88					
20196447	Sample D2	81	96	93					
20196449	Sample D2	83	94	87					
20196450	Sample	77	100	87					
20196451	Sample D2	82	103	82					
32861BA01	Blank	80	101	94					
32861BA03	Blank	82	100	95					
32861BA25	Blank	80	98	87					
32861BM25	Blank	101	100	105					
32861BM25F	Blank	101	100	105					
32861BM25G	Blank	101	100	105					
32861MS	Spike	85	98	74					
32861MSD	Spike Dup	81	94	78					
32861SA01	LCS	82	90	88					
32861SA03	LCS	84	93	85					
32861SA25	LCS	80	93	85					
32861SM25	LCS	103	92	96					
32861SM25F	LCS	103	92	96					
32861SM25G	LCS	103	92	96					
606600286	Sample	102	98	92					
606600385	Sample	101	98	94					
606600393	Sample	102	100	98					
606600450	Sample	101	97	97					

* Denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered as 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC/MS Volatile Organics

Report: 2023706

Batch: 32861

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
QC limits:		76-120	74-127	66-121					

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2O - 02806
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Leachate GC/MS Volatile Organics

Report: 2023706

Batch: 33755

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20196935	Sample	95	105	87					
20196936	Sample	95	105	85					
33755BZ10	Blank	95	115	87					
33755MS	Spike	95	102	84					
33755MSD	Spike Dup	94	104	84					
33755SZ10	LCS	98	102	86					
QC limits:		80-116	73-126	69-124					

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW/1W - E-10266
LELAP (NELAP WAW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32772BA24

Description: Low Soil Method Blan

Project No.: 2023706

Method: Low Soil GC/MS Volatile Organics

Batch: 32772

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 24-Nov-03

Analyzed: 24-Nov-03 18:01

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

6 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.

1/9/2004 10:06:28

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWRW - E-10266
LELAP (NELAP WWS/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32772BA25

Description: Med Soil Method Blan

Project No.: 2023706

Method: Med Soil GC/MS Volatile Organics

Batch: 32772

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 25-Nov-03

Analyzed: 25-Nov-03 17:19

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		250.
100-41-4	Ethylbenzene	1	ND		250.
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		250.
108-88-3	Toluene	1	ND		250.
1330-20-7	m,p-Xylene	1	ND		250.
95-47-6	o-Xylene	1	ND		250.

6 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.

1/9/2004 10:06:28

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWYW - E-10266
LELAP (RELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BA01

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 01-Dec-03 10:30

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	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		5.00
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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	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
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		5.00
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
156-59-2	cis-1,2-Dichloroethene	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
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00
79-20-9	Methylacetate	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
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
100-42-5	Styrene	1	ND		5.00
79-34-5	1,1,1,2-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

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWTRW - E-10266
LELAP (NELAP WWT/IZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:29



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BA01

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 01-Dec-03 10:30

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
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
75-01-4	Vinyl chloride (Chloroethene)	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

42 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.

1/9/2004 10:06:29

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
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Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

www.pacelabs.com

Lab ID: 32861BA03

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 03-Dec-03 12:03

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	1	12.7		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		5.00
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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	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
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		5.00
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
156-59-2	cis-1,2-Dichloroethene	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
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00
79-20-9	Methylacetate	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
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
100-42-5	Styrene	1	ND		5.00
79-34-5	1,1,1,2-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

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.

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 NELAP (NELAP #NW/12) - 02006
 EQS - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:30



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BA03

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: µg/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 03-Dec-03 12:03

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
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
75-01-4	Vinyl chloride (Chloroethene)	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

42 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.

1/9/2004 10:06:30

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/TK) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BA25

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 11:50

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	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		5.00
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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	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
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		5.00
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
156-59-2	cis-1,2-Dichloroethene	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
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00
79-20-9	Methylacetate	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
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
100-42-5	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

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013)
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10286
LELAP (NELAP WNW/ND - 02006)
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)

1/9/2004 10:06:30



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BA25

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 11:50

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
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
75-01-4	Vinyl chloride (Chloroethene)	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

42 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.

1/9/2004 10:06:31

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/102) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BM25

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 13:01

DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	1	ND		10.0
107-13-1	Acrylonitrile (2-Propenenitrile)	1	ND		20.0
71-43-2	Benzene	1	ND		5.00
74-97-5	Bromochloromethane	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		5.00
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0
75-15-0	Carbon disulfide	1	ND		5.00
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenz)	1	ND		5.00
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenz)	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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		5.00
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 dibromi)	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
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichlo)	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylen)	1	ND		5.00
156-59-2	cis-1,2-Dichloroethene	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
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
75-09-2	Methylene chloride (Dichloromethane)	1	ND		5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
100-42-5	Styrene	1	ND		5.00
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HD) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:31



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BM25

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 13:01

DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene (Perchloroethylen)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chlor)	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		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00
75-05-8	Acetonitrile (Methyl cyanide)	1	ND		100.
107-02-8	Acrolein (2-Propenal)	1	ND		20.0
107-05-1	Allyl chloride (3-Chloropropene)	1	ND		10.0
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	1	ND		5.00
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		5.00
142-28-9	1,3-Dichloropropane	1	ND		5.00
594-20-7	2,2-Dichloropropane	1	ND		5.00
563-58-6	1,1-Dichloropropene	1	ND		5.00
67-63-0	2-Propanol (iso-Propyl alcohol)	1	ND		200.
107-12-0	Propionitrile (Ethyl cyanide)	1	ND		20.0
126-98-7	Methacrylonitrile	1	ND		100.

59 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.

1/9/2004 10:06:31

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E67595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP 99972) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

Pace Analytical Services, Inc.
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 Saint Rose, LA 70087
 Phone: 504.469.0333
 Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BM25F

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 13:01

DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	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		5.00
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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		5.00
124-48-1	Dibromochloromethane	1	ND		5.00
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	1	ND		5.00
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichlo	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylen	1	ND		5.00
156-59-2	cis-1,2-Dichloroethene	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
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	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
78-83-1	2-Methyl-1-propanol (iso-Butyl alco	1	ND		250.
100-42-5	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 (Perchloroethylen	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
120-82-1	1,2,4-Trichlorobenzene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chlor	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene (Trichloroethylene)	1	ND		5.00

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.

1/9/2004 10:06:32

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP (NELAP WW/HD) - 02006
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BM25F

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 13:01

DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
75-69-4	Trichlorofluoromethane (Freon 11)	1	ND		5.00
75-01-4	Vinyl chloride (Chloroethene)	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

40 compound(s) reported

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

1/9/2004 10:06:32

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/ND) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32861BM25G

Description: Water Method Blank

Project No.: 2023706

Method: Water GC/MS Volatile Organics

Batch: 32861

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 13:01 DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	1	ND		10.0
107-13-1	Acrylonitrile (2-Propenenitrile)	1	ND		20.0
71-43-2	Benzene	1	ND		5.00
74-97-5	Bromochloromethane	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		5.00
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND		10.0
75-15-0	Carbon disulfide	1	ND		5.00
95-50-1	1,2-Dichlorobenzene (o-Dichlorobenz)	1	ND		5.00
106-46-7	1,4-Dichlorobenzene (p-Dichlorobenz)	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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	1	ND		5.00
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 dibromi)	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
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane (Ethylene dichlo	1	ND		5.00
75-35-4	1,1-Dichloroethene (Dichloroethylen	1	ND		5.00
156-59-2	cis-1,2-Dichloroethene	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
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
75-09-2	Methylene chloride (Dichloromethane	1	ND		5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
100-42-5	Styrene	1	ND		5.00
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)

1/9/2004 10:06:33



Report of Method Blank

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

www.pacelabs.com

Phone: 504.469.0333
Fax: 504.469.0555

Lab ID: 32861BM25G
 Description: Water Method Blank Project No.: 2023706
 Method: Water GC/MS Volatile Organics Batch: 32861 Units: ug/L
 Prep Factor: 1 Leached: Prepared: Analyzed: 25-Nov-03 13:01 DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene (Perchloroethylen)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane (Methyl chlor	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		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00
75-05-8	Acetonitrile (Methyl cyanide)	1	ND		100.
107-02-8	Acrolein (2-Propenal)	1	ND		20.0
107-05-1	Allyl chloride (3-Chloropropene)	1	ND		10.0
126-99-8	Chloroprene (2-Chloro-1,3-butadiene)	1	ND		5.00
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		5.00
142-28-9	1,3-Dichloropropane	1	ND		5.00
594-20-7	2,2-Dichloropropane	1	ND		5.00
563-58-6	1,1-Dichloropropene	1	ND		5.00
67-63-0	2-Propanol (iso-Propyl alcohol)	1	ND		200.
107-12-0	Propionitrile (Ethyl cyanide)	1	ND		20.0
126-98-7	Methacrylonitrile	1	ND		100.

59 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.

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E07393
 Kansas Dept. of Health & Environment/ELWHW - E-10286
 LELAP (NELAP WWS/ED) - 02006
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:33



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33755BZ10

Description: Leachate Method Blan

Project No.: 2023706

Method: Leachate GC/MS Volatile Organics

Batch: 33755

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 10-Dec-03 18:33 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND	C3	50.0
78-93-3	2-Butanone (Methyl ethyl ketone)	1	ND	C3	100.
56-23-5	Carbon tetrachloride	1	ND	C3	50.0
108-90-7	Chlorobenzene	1	ND	C3	50.0
67-66-3	Chloroform	1	ND	C3	50.0
107-06-2	1,2-Dichloroethane (Ethylene dichlo	1	ND	C3	50.0
75-35-4	1,1-Dichloroethene (Dichloroethylen	1	ND	C3	50.0
127-18-4	Tetrachloroethene (Perchloroethylen	1	ND	C3	50.0
79-01-6	Trichloroethene (Trichloroethylene)	1	ND	C3	50.0
75-01-4	Vinyl chloride (Chloroethene)	1	ND	C3	50.0

10 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.

1/9/2004 10:06:33

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELW/WW - E-10266
LELAP (NELAP WW/ND) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

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Method: Med Soil GC Organics

Project No.: 2023706

Batch: 32628

Units: ug/kg

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	LCS	MS/MSD	RPD	
TPH - Gasoline Range Organics (C6-C	25000	104			25000	88	84	4	50 - 150	50 - 150	50	
TPH - Gasoline Range Organics (C6-C	25000	99			25000				50 - 150	50 - 150	50	

2 compound(s) reported

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2004 10:06:36

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Insect (I.S. Territories)



Report of Quality Control

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

www.pacelabs.com

Phone: 504.469.0333
Fax: 504.469.0555

Method: Med Soil GC Organics

Project No.: 2023706

Batch: 32706

Units: ug/kg

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD (1)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
TPH - Gasoline Range Organics (C6-C	25000	118			22800	99	117	15		50 - 150	50 - 150	50	

1 compound(s) reported

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

1/9/2004 10:06:36

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E67593
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (MELAP WW/HA) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC Organics

Project No.: 2023706

Batch: 32841

Units: ug/L

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
TPH - Gasoline Range Organics (C6-C	500	113			500						50 - 150	50 - 150	25
TPH - Gasoline Range Organics (C6-C	500	113			500						50 - 150	50 - 150	25
TPH - Gasoline Range Organics (C6-C	500	109			500	96	96	0			50 - 150	50 - 150	25

3 compound(s) reported

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

1/9/2004 10:06:37

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC Organics

Project No.: 2023706

Batch: 33313

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)MS	DUP	QC Limits		Max	Qn
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	LCS	MS/MSD	RPD	
TPH - Gasoline Range Organics (C6-C)	500	111			500	0 *	0 *	0	50 - 150	50 - 150	25	Q3
TPH - Gasoline Range Organics (C6-C)	500	118			500				50 - 150	50 - 150	25	

2 compound(s) reported

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2004 10:06:37

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Batch Surrogate Recovery

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

www.pacelabs.com

Phone: 504.469.0333
Fax: 504.469.0555

Method: Med Soil GC Organics

Report: 2023706

Batch: 32628

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20193506	Sample		78						
20193507	Sample		72						
20193508	Sample		71						
20193586	Sample		75						
20193587	Sample		77						
20193588	Sample		76						
20193589	Sample		101						
20193590	Sample		84						
20193591	Sample		72						
20194125	Sample		84						
20194126	Sample		83						
20194647	Sample		84						
20194649	Sample		79						
32628B1	Blank		84						
32628B2	Blank		91						
32628MS	Spike		88						
32628MSD	Spike Dup		85						
32628S1	LCS		91						
32628S2	LCS		105						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7598
Kansas Dept. of Health & Environment/ELW/WH - E-10266
LELAP (MELAP WWH/CD - 02006)
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Med Soil GC Organics

Report: 2023706

Batch: 32706

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20194520	Sample		94						
20194521	Sample		96						
20194522	Sample		81						
20194523	Sample D1		0D						
20194524	Sample		97						
20194527	Sample		87						
20194528	Sample		130						
20194529	Sample		91						
20194531	Sample		77						
20194623	Sample G1		150*						
20194626	Sample		86						
20194628	Sample		91						
20194629	Sample		102						
20194630	Sample		81						
20194631	Sample		83						
20194632	Sample		85						
20194633	Sample		87						
20194634	Sample		86						
32706B1	Blank		84						
32706MS	Spike		98						
32706MSD	Spike Dup		98						
32706S1	LCS		108						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC Organics

Report: 2023706

Batch: 32841

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20193509	Sample		101						
20193510	Sample		100						
20193511	Sample		121						
20193554	Sample		102						
20194555	Sample		105						
20194658	Sample		104						
20194659	Sample		102						
20194660	Sample		102						
20194695	Sample D1		92						
20194696	Sample D1		99						
20194697	Sample D1		85						
20194698	Sample D1		97						
20194699	Sample D1		87						
20194700	Sample D1		87						
20194701	Sample		103						
32841B1	Blank		106						
32841B2	Blank		102						
32841B3	Blank		104						
32841B4	Blank		95						
32841MS	Spike		94						
32841MSD	Spike Dup		104						
32841S1	LCS		95						
32841S2	LCS		96						
32841S3	LCS		92						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10286
LELAP (NELAP WW/MS) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)

1/9/2004 10:06:41



Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC Organics

Report: 2023706

Batch: 33313

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20195404	Sample		101						
20195405	Sample		102						
20195406	Sample		99						
20195740	Sample D1		80						
20195741	Sample		97						
20195742	Sample D1		90						
20195743	Sample D1		97						
20195744	Sample D1		79						
20195745	Sample		102						
20195746	Sample		98						
20195747	Sample		98						
20195748	Sample		102						
20196568	Sample		101						
20196935	Sample D1		98						
33237TZ3	Sample		100						
33313B1	Blank		101						
33313B2	Blank		98						
33313B3	Blank		102						
33313MS	Spike		110						
33313MSD	Spike Dup		105						
33313S1	LCS		92						
33313S2	LCS		92						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP) Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

1/9/2004 10:06:41



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32628B1

Description: Med Soil Method Blan

Project No.: 2023706

Method: Med Soil GC Organics

Batch: 32628

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 21-Nov-03

Analyzed: 23-Nov-03 22:33

CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		2500

1 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.

1/9/2004 10:06:44

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWRW - E-10266
LELAP (LELAP WW/112) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32628B2

Description: Med Soil Method Blan

Project No.: 2023706

Method: Med Soil GC Organics

Batch: 32628

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 24-Nov-03

Analyzed: 25-Nov-03 01:27

CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		2500

1 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.

1/9/2004 10:06:45

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32706B1

Description: Med Soil Method Blan

Project No.: 2023706

Method: Med Soil GC Organics

Batch: 32706

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 29-Nov-03

Analyzed: 29-Nov-03 15:45

CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		2500

1 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.

1/9/2004 10:06:45

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10286
LELAP (RELAP WW/H2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32841B1

Description: Water Method Blank

Project No.: 2023706

Method: Water GC Organics

Batch: 32841

Units: µg/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 25-Nov-03 23:25

NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

1 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.

1/9/2004 10:06:45

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Method Blank

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

www.pacelabs.com

Lab ID: 32841B2
 Description: Water Method Blank Project No.: 2023706
 Method: Water GC Organics Batch: 32841 Units: ug/L
 Prep Factor: 1 Leached: Prepared: Analyzed: 26-Nov-03 13:15 NMJ

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

1 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.
 1/9/2004 10:06:46

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (LELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - EB7595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 LELAP MELAP WWH/ND - 02006
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 Foreign Self Import (U.S. Territories)



Report of Method Blank

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

www.pacelabs.com

Lab ID: 32841B3
Description: Water Method Blank Project No.: 2023706
Method: Water GC Organics Batch: 32841 Units: ug/L
Prep Factor: 1 Leached: Prepared: Analyzed: 26-Nov-03 22:42 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

1 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.

1/9/2004 10:06:46

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2 - 02086
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 32841B4

Description: Water Method Blank

Project No.: 2023706

Method: Water GC Organics

Batch: 32841

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 29-Nov-03 13:20 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

1 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.

1/9/2004 10:06:46

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E97595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HD) - 52006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33313B1

Description: Water Method Blank

Project No.: 2023706

Method: Water GC Organics

Batch: 33313

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 04-Dec-03 09:07

NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

2 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.

1/9/2004 10:06:47

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33313B2

Description: Water Method Blank

Project No.: 2023706

Method: Water GC Organics

Batch: 33313

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 04-Dec-03 18:53 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

2 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.

1/9/2004 10:06:47

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10286
LELAP (NELAP WW/MS) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.489.0555

www.pacelabs.com

Lab ID: 33313B3

Description: Water Method Blank

Project No.: 2023706

Method: Water GC Organics

Batch: 33313

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 05-Dec-03 12:42 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics (C6-C	1	ND		50.0

1 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.

1/9/2004 10:06:47

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report Qualifiers

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Project No.: 2023706

Analyte Qualifiers

Qualifier	Qualifier Description
C3	The result for this parameter is not corrected for moisture content.
G1	Interferences are present which caused poor surrogate recovery.

General Qualifiers

Qualifier	Qualifier Description
D1	The analysis was performed at a dilution due to the high analyte concentration.
D2	The analysis was performed at a dilution due to the presence of matrix interferences.

QC Qualifiers

Qualifier	Qualifier Description
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.
Q10	The spike recovery was above the laboratory QC limits, however, the data are reported without qualification since the target analyte was not detected in the corresponding samples.

1/9/2004 10:06:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

CHAIN-OF-CUSTODY Analytical Request Document

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



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Section B Required Client Information:

Report To: **SETH DOMANIGUE (CRA)**
 Copy To:
 Invoice To:
 Project Name:
 Project Number:

Page: 1 of 2

738192

To Be Completed by Pace Analytical and Client Section C

Client Information (Check quote/contract):
 Requested Due Date: **TAT**
 Project Manager: **2023706**
 Profile #:
 Requested Analysis: **TRH-KRO (BGS) STD**
 Other: **TRH-KRO (BGS) STD**
 * Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
 Turn Around Time (TAT) in calendar days.

Section A Required Client Information:
 Company: **CHEYRON ENV. MGMT. CO.**
 Address: **P.O. BOX 4254 HOUSTON, TX 77210-4254**
 Phone: **713 219 5223**
 Fax: **832 653 0300**

ITEM #	SAMPLE ID	One character per box. (A-Z 0-9 / -)	Sample IDs MUST BE UNIQUE	MATRIX	MATRIX CODE	DATE COLLECTED	TIME COLLECTED	# Containers	Preservatives	DATE	TIME	REMARKS / Lab ID
1	MW-1/2-4			SL	11/18/03	1240	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1240	93	20/99623
2	MW-1/8-10			SL	11/18/03	1255	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1255	93	626
3	MW-1/12-14			SL	11/18/03	1305	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1305	93	628
4	MW-2/0-2			SL	11/18/03	1550	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1550	93	629
5	MW-2/8-10			SL	11/18/03	1605	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1605	93	630
6	MW-2/12-14			SL	11/18/03	1615	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1615	93	631
7	MW-3/2-4			SL	11/18/03	1410	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1410	93	632
8	MW-3/0-10			SL	11/18/03	1425	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1425	93	633
9	MW-3/12-14			SL	11/18/07	1435	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/07	1435	93	634
10	MW-4/0-2			SL	11/18/03	1000	52	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1000	52	647
11	MW-4/6-8			SL	11/18/03	1015	52	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1015	52	649
12	MW-4/12-14			SL	11/18/03	1030	93	H2O, HNO3, H2SO4, ICl, NaOH, Na2S2O8, Methanol, Other	11/18/03	1030	93	639

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Cuba Green / CPA	11/18/03	1400	Green / CPA	11/18/03	1400
					77Mm			Green / CPA	11/18/03	1700

SAMPLE NOTES
 CRA # 27453-01
 24⁶⁶ USED TERA-CORE K-ITS FOR DISPOSAL

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: **CAPIOS GIRON**
 SIGNATURE of SAMPLER: *Cuba Green*
 DATE Signed: **11/18/03**

Instructions for completing Chain of Custody (COC)

1. Complete all Client Information at top of sheet: name, address, phone, contact (person to whom report will be sent and contact can be made if questions arise), billing information if different from client, PO#, Project Name and/or Project Number as it will appear on the report.
2. Quote Reference, Project Manager, Project No. and Profile No. will be completed by Pace.
3. A separate COC must be filled out for each day of sample collection.
4. Sampler should print their name in the space provided and sign their name followed by the date of the sampling event.
5. Complete Sample Description as it will appear on the laboratory report; include time of sampling, sample matrix, no. of containers and preservative used.
6. Analysis Requested: Complete analysis on the lines provided and place a check in the column for the samples requiring the analysis. It may be necessary to use the space provided for additional comments or include attachments for extended lists of parameters.
7. Submission of samples to laboratory: Indicate Item Number of those samples being transferred; sign relinquished by, and include your affiliation.

*** IMPORTANT NOTE:**

Standard Turnaround Time is 2 weeks. If this does not satisfy your requirements, arrangements must be made prior to samples being submitted to the laboratory. Contact your project manager.

Special Project Requirements such as Low Level Detection Limits or level of OC reported must be indicated on the chain of custody. (Use Additional Comments Section.)



CHAIN-OF-CUSTODY / Analytical Request Document

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

738191

To Be Completed by Pace Analytical and Client Section C

Page: 2 of 2

Section B

Required Client Information: **Section A**

Company: **CHEVRON ENV. MGMT. CO**

Address: **P.O. BOX 4256 HOUSTON, TX 77210-4256**

Phone: **713-219-5223** Fax: **866-653-0320**

Report To: **SETH DOMANIG (CRA)**

Copy To: **DAVID GARDNER (CHEVRON)**

Invoice To: **DAVID GARDNER (CHEVRON)**

P.O. **2929 COLLEGE DR., BIR, LA**

Project Name: **CHEVRON 6010960**

Project Number: **CHEVRON 6010960**

Required Client Information: **Section D**

SAMPLE ID

One character per box. (A-Z, 0-9 / -)

Sample IDs MUST BE UNIQUE

1	WE	-	1
2	WP	-	1
3	WT	-	1
4	MW	-	1 (12-14)
5	MW	-	1 (12-14)

ITEM #	MATRIX	MATRIX CODE	DATE COLLECTED	TIME COLLECTED	# Containers	Preservatives							Remarks / Lab ID	
						Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ O ₃	Methanol		Other
1	WT	WT	11/18/03	1230	3				3					20194658
2	WT	WT	11/18/03	1220	3				3					659
3	WT	WT	11/18/03	-	2				2					660
4	SL	SL	11/18/03	1305	4					2				628
5	SL	SL	11/18/03	1305	4					2				628

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
					Colleen / CTR	11/19/03	1400	Therese / Pace	11/19/03	1415
					Therese	11/21/03	1700	Therese	11/21/03	1700

SAMPLE NOTES

CRA # 27453-61

Temp in °C **4.0**

Received on Ice YN

Sealed Cooler YN

Samples Intact YN

Additional Comments:

SAMPLER NAME AND SIGNATURE: **DAVID GARDNER**

PRINT Name of SAMPLER: **DAVID GARDNER**

SIGNATURE of SAMPLER: *David Gardner*

DATE Signed: **11/18/03**

Instructions for completing Chain of Custody (COC)

1. Complete all Client Information at top of sheet: name, address, phone, contact (person to whom report will be sent and contact can be made if questions arise), billing information if different from client, PO#, Project Name and/or Project Number as it will appear on the report.
2. Quote Reference, Project Manager, Project No. and Profile No. will be completed by Face.
3. A separate COC must be filled out for each day of sample collection.
4. Sampler should print their name in the space provided and sign their name followed by the date of the sampling event.
5. Complete Sample Description as it will appear on the laboratory report; include time of sampling, sample matrix, no. of containers and preservative used.
6. Analysis Requested: Complete analysis on the lines provided and place a check in the column for the samples requiring the analysis. It may be necessary to use the space provided for additional comments or include attachments for extended lists of parameters.
7. Submission of samples to laboratory: Indicate Item Number of those samples being transferred; sign relinquished by, and include your affiliation.

*** IMPORTANT NOTE:**

Standard Turnaround Time is 2 weeks. If this does not satisfy your requirements, arrangements must be made prior to samples being submitted to the laboratory. Contact your project manager.

Special Project Requirements such as Low Level Detection Limits or level of QC reported must be indicated on the chain of custody. (Use Additional Comments Section.)



Pace Analytical[®]

www.pacelabs.com

Pace Analytical Services, Inc.

1000 Riverbend Blvd., Suite F

St. Rose, LA 70087

Phone: 504.469.0333

Fax: 504.469.0555

December 10, 2003

Mr. David Gardner
CHEVRON PRODUCTS CO.
5959 Corporate Dr.
Houston, TX 77036

RE: Lab Project Number: 2024158
Client Project ID: 60109060

Dear Mr. Gardner:

Enclosed are the analytical results for sample(s) received by the laboratory on December 4, 2003. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Cindy Olavesen
cindy.olavesen@pacelabs.com
(504) 305-3626
Project Manager

Enclosures



Sample Cross Reference Report

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Project No.: 2024158

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
SB-4 (12-14)	20198660	Soil	12/03/2003	11:30	12/04/2003	14:10
SB-7	20198664	Water	12/03/2003	12:05	12/04/2003	14:10
SB-7 (12-14)	20198659	Soil	12/03/2003	10:45	12/04/2003	14:10
SB-7 (8-10)	20198658	Soil	12/03/2003	10:10	12/04/2003	14:10
TRIP BLANK	20198665	Water	12/03/2003		12/04/2003	14:10
WE-2	20198661	Water	12/03/2003	11:45	12/04/2003	14:10
WF-2	20198662	Water	12/03/2003	11:50	12/04/2003	14:10

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WWH2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

12/22/2003 15:19:42



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client ID: SB-7 (8-10)

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198658

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Soil

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33361	1	ND		ug/kg	2400	08-Dec-03 09-Dec-03 03:10	61000
Benzene	SW 8260 Volat	33554	1	ND		ug/kg	4.82	04-Dec-03 09-Dec-03 14:38	
Ethylbenzene	SW 8260 Volat	33554	1	ND		ug/kg	4.82	04-Dec-03 09-Dec-03 14:38	
Methyl tert-butyl ether (	SW 8260 Volat	33554	1	ND		ug/kg	4.82	04-Dec-03 09-Dec-03 14:38	
Toluene	SW 8260 Volat	33554	1	ND		ug/kg	4.82	04-Dec-03 09-Dec-03 14:38	
m,p-Xylene	SW 8260 Volat	33554	1	ND		ug/kg	4.82	04-Dec-03 09-Dec-03 14:38	
o-Xylene	SW 8260 Volat	33554	1	ND		ug/kg	4.82	04-Dec-03 09-Dec-03 14:38	

7 parameter(s) reported

Client ID: SB-7 (12-14)

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198659

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Soil

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33361	1	ND		ug/kg	2370	08-Dec-03 09-Dec-03 03:37	61000
Benzene	SW 8260 Volat	33554	1	ND		ug/kg	4.93	04-Dec-03 09-Dec-03 14:58	
Ethylbenzene	SW 8260 Volat	33554	1	ND		ug/kg	4.93	04-Dec-03 09-Dec-03 14:58	
Methyl tert-butyl ether (	SW 8260 Volat	33554	1	ND		ug/kg	4.93	04-Dec-03 09-Dec-03 14:58	
Toluene	SW 8260 Volat	33554	1	ND		ug/kg	4.93	04-Dec-03 09-Dec-03 14:58	
m,p-Xylene	SW 8260 Volat	33554	1	ND		ug/kg	4.93	04-Dec-03 09-Dec-03 14:58	
o-Xylene	SW 8260 Volat	33554	1	ND		ug/kg	4.93	04-Dec-03 09-Dec-03 14:58	

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.

Laboratory Certifications: Puerto Rico - 3449
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water - LA000006
Florida Dept. of Health/Hazardous Waste (NELAC) - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
LA Dept. of Environmental Quality (LELAP) - 02006
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
USDA Foreign Soil Import (U.S. Territories) - S-47270

12/22/2003 15:19:49



Report of Laboratory Analysis

Pace Analytical Services, Inc.
 1000 Riverbend Blvd, Suite F
 Saint Rose, LA 70067

Phone: 504.469.0333
 Fax: 504.469.0555

www.pacelabs.com

Client ID: MW-4 (12-14)

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198660

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Soil

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33361	1	ND		ug/kg	2275	08-Dec-03 09-Dec-03 04:04	61000
Benzene	SW 8260 Volat	33554	1	ND		ug/kg	4.81	04-Dec-03 09-Dec-03 15:19	
Ethylbenzene	SW 8260 Volat	33554	1	ND		ug/kg	4.81	04-Dec-03 09-Dec-03 15:19	
Methyl tert-butyl ether (	SW 8260 Volat	33554	1	ND		ug/kg	4.81	04-Dec-03 09-Dec-03 15:19	
Toluene	SW 8260 Volat	33554	1	ND		ug/kg	4.81	04-Dec-03 09-Dec-03 15:19	
m,p-Xylene	SW 8260 Volat	33554	1	ND		ug/kg	4.81	04-Dec-03 09-Dec-03 15:19	
o-Xylene	SW 8260 Volat	33554	1	ND		ug/kg	4.81	04-Dec-03 09-Dec-03 15:19	

7 parameter(s) reported

Client ID: WE-2

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198661

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33480	1	ND		ug/L	50.0	09-Dec-03 18:09	150.
Benzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:23	
Ethylbenzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:23	
Methyl tert-butyl ether (	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:23	
Toluene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:23	
m,p-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:23	
o-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:23	

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.

Laboratory Certifications: Puerto Rico - 3449
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA000006
 Florida Dept. of Health/Hazardous Waste (NELAC) - EB7595
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 New Jersey DEPE/Waterwater - 58002
 LA Dept. of Environmental Quality (LELAP) - 02006
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 USDA Foreign Soil Import (U.S. Territories) - S.47270



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client ID: WF-2

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198662

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33480	1	ND		ug/L	50.0	09-Dec-03 18:36	150.
Benzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:53	
Ethylbenzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:53	
Methyl tert-butyl ether (	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:53	
Toluene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:53	
m,p-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:53	
o-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 13:53	

7 parameter(s) reported

Client ID: SB-7

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198664

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33480	1	ND		ug/L	50.0	09-Dec-03 19:03	150.
Benzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:14	
Ethylbenzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:14	
Methyl tert-butyl ether (	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:14	
Toluene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:14	
m,p-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:14	
o-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:14	

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.

Laboratory Certifications: Puerto Rico - 3449
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water - LA000006
Florida Dept. of Health/Hazardous Waste (NELAC) - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 58002
LA Dept. of Environmental Quality (LELAP) - 02006
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
USDA Foreign Sell Import (U.S. Territories) - 547270

12/22/2003 15:19:50



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client ID: TRIP BLANK

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20198665

Project No.: 2024158

Prep Factor: 1

Description: None

Collected: 12/03/03

Received: 12/04/03

Matrix: Water

% Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	33480	1	ND		ug/L	50.0	09-Dec-03 19:30	150.
Benzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:35	
Ethylbenzene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:35	
Methyl tert-butyl ether (	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:35	
Toluene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:35	
m,p-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:35	
o-Xylene	SW 8260 Volat	33485	1	ND		ug/L	5.00	08-Dec-03 14:35	

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.

Laboratory Certifications: Puerto Rico - 3449
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water - LA000006
Florida Dept. of Health/Hazardous Waste (MELAC) - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
New Jersey DEPE/Wastewater - 56002
LA Dept. of Environmental Quality (LELAP) - 02006
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
USDA Foreign Soil Import (U.S. Territories) - S-47270

12/22/2003 15:19:51



Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC/MS Volatile Organics

Project No.: 2024158

Batch: 33485

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		Max	Qu
	Spike	% Rec	% Rec	RPD	Spike	% Rec	% Rec	RPD	RPD	LCS	MS/MSD	RPD	
Benzene	50	130			50					74 - 131	64 - 140	25	
Benzene	50	120			50	121	128	6		74 - 131	64 - 140	25	
Acetone (2-Propanone, Dimethyl keton)	100	61			100					50 - 150	50 - 150	25	
Ethylbenzene	50	115			50	94	113	18		65 - 133	57 - 138	25	
Ethylbenzene	50	95			50					65 - 133	57 - 138	25	
Benzene	50	118			50					74 - 137	63 - 146	25	
Methyl tert-butyl ether (MTBE)	50	98			50	97	105	8		50 - 142	50 - 150	25	
Methyl tert-butyl ether (MTBE)	50	94			50					50 - 142	50 - 150	25	
Bromodichloromethane	50	119			50					70 - 130	61 - 150	25	
Toluene	50	94			50					73 - 133	54 - 148	25	
Toluene	50	97			50	90	96	7		73 - 133	54 - 148	25	
Bromoform	50	101			50					69 - 150	63 - 150	25	
m,p-Xylene	100	123			100	96	117	19		72 - 130	70 - 130	25	
m,p-Xylene	100	100			100					72 - 130	70 - 130	25	
Bromomethane (Methyl bromide)	50	111			50					53 - 140	51 - 144	25	
o-Xylene	50	113			50	93	111	18		74 - 133	64 - 141	25	
o-Xylene	50	92			50					74 - 133	64 - 141	25	
2-Butanone (Methyl ethyl ketone)	100	68			100					50 - 150	50 - 150	25	
Carbon disulfide	50	98			50					50 - 141	50 - 143	25	
Carbon tetrachloride	50	98			50					59 - 150	50 - 150	25	
Chlorobenzene	50	98			50					76 - 131	69 - 136	25	
Chloroethane	50	129			50					50 - 143	50 - 148	25	
Chloroform	50	108			50					74 - 133	69 - 137	25	
Chloromethane (Methyl chloride)	50	142			50					50 - 149	50 - 150	25	
1,2-Dibromo-3-chloropropane (DBCP)	50	104			50					50 - 150	50 - 150	25	
1,2-Dibromoethane (Ethylene dibromid)	50	106			50					74 - 141	50 - 146	25	
Dichlorodifluoromethane (Freon 12)	50	71			50					50 - 150	50 - 150	25	
Dibromochloromethane	50	107			50					73 - 150	68 - 150	25	
1,1-Dichloroethane	50	121			50					64 - 136	61 - 139	25	
1,2-Dichloroethane (Ethylene dichlorid)	50	134			50					62 - 150	57 - 150	25	
1,1-Dichloroethene (Dichloroethylene)	50	101			50					50 - 140	50 - 143	25	
cis-1,2-Dichloroethene	50	102			50					52 - 143	50 - 150	25	
trans-1,2-Dichloroethene	50	102			50					52 - 135	50 - 139	25	
1,2-Dichloropropane	50	114			50					70 - 138	68 - 142	25	
cis-1,3-Dichloropropene	50	122			50					73 - 145	69 - 146	25	
trans-1,3-Dichloropropene	50	115			50					65 - 150	60 - 150	25	
Ethylbenzene	50	99			50					65 - 133	57 - 138	25	
2-Hexanone	100	64			100					50 - 150	50 - 150	25	
Isopropylbenzene (Cumene)	50	95			50					62 - 134	54 - 141	25	

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

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/12) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

12/22/2003 15:19:53



Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
Saint Rose, LA 70067

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Water GC/MS Volatile Organics

Project No.: 2024158

Batch: 33485

Units: ug/L

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD (1)MS	DUP	QC Limits		Max	Qu
	Spike	% Rec	% Rec	RPD	Spike	% Rec	% Rec	RPD	LCS	MS/MSD	RPD	
Methylene chloride (Dichloromethane)	50	105			50				50 - 150	50 - 144	25	
4-Methyl-2-pentanone (MIBK)	100	51			100				50 - 150	50 - 150	25	
Methyl tert-butyl ether (MTBE)	50	124			50				50 - 142	50 - 150	25	
Styrene	50	107			50				50 - 134	56 - 143	25	
1,1,2,2-Tetrachloroethane	50	108			50				56 - 146	58 - 143	25	
Tetrachloroethene (Perchloroethylene)	50	92			50				50 - 150	50 - 150	25	
Toluene	50	106			50				73 - 133	54 - 148	25	
1,1,1-Trichloroethane (Methyl chlorofo	50	102			50				69 - 138	60 - 143	25	
1,1,2-Trichloroethane	50	110			50				75 - 146	70 - 149	25	
Trichloroethene (Trichloroethylene)	50	97			50				76 - 138	66 - 146	25	
Trichlorofluoromethane (Freon 11)	50	98			50				50 - 150	50 - 150	25	
Vinyl chloride (Chloroethene)	50	127			50				50 - 144	50 - 146	25	
m,p-Xylene	100	101			100				72 - 130	70 - 130	25	
o-Xylene	50	106			50				74 - 133	64 - 141	25	

53 compound(s) reported

* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

12/22/2003 15:19:54

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WWA/R2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Quality Control

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

www.pacelabs.com

Phone: 504.469.0333
Fax: 504.469.0555

Method: Low Soil GC/MS Volatile Organics Project No.: 2024158
Batch: 33554 Units: ug/kg

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD (1)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Benzene	50	112			45	110	122	11		66 - 130	36 - 136	50	
Ethylbenzene	50	96			45	88	102	15		65 - 125	7 - 141	50	
Methyl tert-butyl ether (MTBE)	50	86			45	89	88	1		50 - 150	50 - 150	50	
Toluene	50	83			45	87	87	0		66 - 128	24 - 140	50	
m,p-Xylene	100	103			90	94	108	14		50 - 150	50 - 150	50	
o-Xylene	50	95			45	88	101	14		50 - 150	50 - 150	50	

6 compound(s) reported

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

12/22/2003 15:19:54

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW/WW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

Method: Water GC/MS Volatile Organics

Report: 2024158

Batch: 33485

Lab ID	Type and Qualifiers	Sur 1 % Rec	Sur 2 % Rec	Sur 3 % Rec	Sur 4 % Rec	Sur 5 % Rec	Sur 6 % Rec	Sur 7 % Rec	Sur 8 % Rec
20197377	Sample	113	99	90					
20197378	Sample	111	98	90					
20198047	Sample	78	106	78					
20198048	Sample	75*	106	83					
20198048RE	Re-run M1	74*	110	83					
20198049	Sample	79	103	84					
20198050	Sample	81	108	81					
20198051	Sample	80	105	85					
20198052	Sample	81	108	84					
20198053	Sample	80	105	83					
20198054	Sample	77	105	88					
20198661	Sample	77	102	82					
20198662	Sample	70*	106	80					
20198662RE	Re-run M1	75*	98	83					
20198664	Sample	76	99	82					
20198665	Sample	74*	105	84					
20198665RE	Re-run M1	74*	101	85					
20198979	Sample D2	84	97	90					
20198980	Sample D2	82	101	86					
20198981	Sample D2	85	103	90					
33485BA08	Blank	78	106	100					
33485BA09	Blank	79	101	97					
33485BL15	Blank	110	100	96					
33485MS	Spike	80	108	81					
33485MSD	Spike Dup	80	98	82					
33485SA08	LCS	81	97	85					
33485SA09	LCS	82	94	84					
33485SL15	LCS	109	98	98					

QC limits: 76-120 74-127 66-121

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWTRW - E-10266
LELAP (NELAP WW/MS) - 02006
EQB - Certified Puerto Rico Chemist
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Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Low Soil GC/MS Volatile Organics

Report: 2024158

Batch: 33554

Lab ID	Type and Qualifiers	Sur 1 % Rec	Sur 2 % Rec	Sur 3 % Rec	Sur 4 % Rec	Sur 5 % Rec	Sur 6 % Rec	Sur 7 % Rec	Sur 8 % Rec
20198031	Sample M1	69	106	42*					
20198031RE	Re-run M1	69	108	47*					
20198040	Sample	73	105	82					
20198041	Sample	69	107	81					
20198042	Sample	75	105	78					
20198043	Sample	78	102	81					
20198044	Sample	81	103	84					
20198045	Sample	81	99	87					
20198046	Sample	80	104	87					
20198658	Sample	81	99	87					
20198659	Sample	82	100	89					
20198660	Sample	82	99	84					
33554BA09	Blank	71	98	79					
33554MS	Spike	80	97	81					
33554MSD	Spike Dup	81	93	77					
33554SA09	LCS	82	96	86					

QC limits: 65-124 55-160 59-139

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (RELAP WW/HQ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
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Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33485BA08

Description: Water Method Blank

Project No.: 2024158

Method: Water GC/MS Volatile Organics

Batch: 33485

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 08-Dec-03 10:50 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

6 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.

12/22/2003 15:20:01

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWWTW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
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Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33485BA09

Description: Water Method Blank

Project No.: 2024158

Method: Water GC/MS Volatile Organics

Batch: 33485

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 09-Dec-03 11:40 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

6 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.

12/22/2003 15:20:01

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELVHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

Pace Analytical Services, Inc.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33485BL15

Description: Water Method Blank

Project No.: 2024158

Method: Water GC/MS Volatile Organics

Batch: 33485

Units: µg/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 15-Dec-03 19:31 DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone (2-Propanone, Dimethyl keto)	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		5.00
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		5.00
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane (Methyl chloride)	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
75-71-8	Dichlorodifluoromethane (Freon 12)	1	ND		5.00
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
156-59-2	cis-1,2-Dichloroethene	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
100-41-4	Ethylbenzene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00
79-20-9	Methylacetate	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
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
100-42-5	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

ND denotes Not Detected as 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EOB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

12/22/2003 15:20:01



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33485BL15

Description: Water Method Blank

Project No.: 2024158

Method: Water GC/MS Volatile Organics

Batch: 33485

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 15-Dec-03 19:31 DET

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
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
75-01-4	Vinyl chloride (Chloroethene)	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

42 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.

12/22/2003 15:20:02

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP) Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33554BA09

Description: Low Soil Method Blan

Project No.: 2024158

Method: Low Soil GC/MS Volatile Organics

Batch: 33554

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 03-Dec-03

Analyzed: 09-Dec-03 13:56

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

6 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

12/22/2003 15:20:02



Report of Quality Control

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Med Soil GC Organics

Project No.: 2024158

Batch: 33361

Units: ug/kg

Parameter Name	LCS Spike	LCS % Rec	LCSD % Rec	LCS RPD	MS Spike	MS % Rec	MSD (1)MS % Rec	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
TPH - Gasoline Range Organics	25000	126			25000				50 - 150	50 - 150	50	
TPH - Gasoline Range Organics	25000	107			22200	87	91	4	50 - 150	50 - 150	50	

2 compound(s) reported

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

12/22/2003 15:20:05

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
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Foreign Soil Import (U.S. Territories)



Report of Quality Control

Pace Analytical Services, Inc.
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Saint Rose, LA 70087

Phone: 504.469.0333
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Method: Water GC Organics

Project No.: 2024158

Batch: 33480

Units: ug/L

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD (1)MS	DUP	QC Limits		Max	Qu
	Spike	% Rec	% Rec	RPD	Spike	% Rec	% Rec	RPD	LCS	MS/MSD	RPD	
TPH - Gasoline Range Organics	500	107			500				50 - 150	50 - 150	25	
TPH - Gasoline Range Organics	500	113			500				50 - 150	50 - 150	25	
TPH - Gasoline Range Organics	500	109			500	0*	0*	0	50 - 150	50 - 150	25	Q3

3 compound(s) reported

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

12/22/2003 15:20:05

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Batch Surrogate Recovery

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Method: Med Soil GC Organics

Report: 2024158

Batch: 33361

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20198031	Sample D1		0D						
20198040	Sample		79						
20198041	Sample		75						
20198042	Sample		72						
20198043	Sample		73						
20198044	Sample		75						
20198045	Sample		77						
20198046	Sample		73						
20198099	Sample		85						
20198101	Sample		70						
20198102	Sample		74						
20198658	Sample		73						
20198659	Sample		76						
20198660	Sample		78						
33361B1	Blank		83						
33361B2	Blank		86						
33361MS	Spike		82						
33361MSD	Spike Dup		85						
33361S1	LCS		97						
33361S2	LCS		104						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

12/22/2003 15:20:08

Method: Water GC Organics

Report: 2024158

Batch: 33480

Lab ID	Type and Qualifiers	Sur 1 % Rec	Sur 2 % Rec	Sur 3 % Rec	Sur 4 % Rec	Sur 5 % Rec	Sur 6 % Rec	Sur 7 % Rec	Sur 8 % Rec
20196936	Sample		118						
20198047	Sample D1		86						
20198048	Sample		116						
20198049	Sample		100						
20198050	Sample		102						
20198051	Sample		97						
20198052	Sample		91						
20198661	Sample		95						
20198662	Sample		92						
20198664	Sample		78						
20198665	Sample		96						
33237TZ1	Sample		97						
33480B1	Blank		97						
33480B2	Blank		98						
33480B3	Blank		96						
33480MS	Spike		127						
33480MSD	Spike Dup		126						
33480S1	LCS		85						
33480S2	LCS		91						
33480S3	LCS		91						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10286
LELAP (NELAP WW/K2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33361B1
Description: Med Soil Method Blan Project No.: 2024158
Method: Med Soil GC Organics Batch: 33361 Units: ug/kg
Prep Factor: 1 Leached: Prepared: 04-Dec-03 Analyzed: 08-Dec-03 16:01 CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		2500

1 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.

12/22/2003 15:20:11

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87593
Kansas Dept. of Health & Environment/ELWYW - E-10266
LELAP (NELAP WW/H2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33361B2

Description: Med Soil Method Blan

Project No.: 2024158

Method: Med Soil GC Organics

Batch: 33361

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 08-Dec-03

Analyzed: 09-Dec-03 02:17

CCW

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		2500

1 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.

12/22/2003 15:20:12

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELW1W - E-10266
LELAP (NELAP WW/HZ) 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33480B1
Description: Water Method Blank Project No.: 2024158
Method: Water GC Organics Batch: 33480 Units: ug/L
Prep Factor: 1 Leached: Prepared: Analyzed: 09-Dec-03 11:42 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/22/2003 15:30:12

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33480B2

Description: Water Method Blank

Project No.: 2024158

Method: Water GC Organics

Batch: 33480

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 09-Dec-03 22:12 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/22/2003 15:20:12

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 33480B3

Description: Water Method Blank

Project No.: 2024158

Method: Water GC Organics

Batch: 33480

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 10-Dec-03 21:46 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/22/2003 15:20:13

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

Project No.: 2024158

QC Qualifiers

Qualifier	Qualifier Description
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.

Sample Qualifiers

Qualifier	Qualifier Description
M1	The sample required reextraction and/or reanalysis due to surrogate recoveries outside the QC limits. Reanalysis yielded similar results, indicating a sample matrix effect. The results reported are from the original analysis.



Section B
 Report To: Seth Demersque (CRA)
 Copy To: David Gardner (Churon)
 Invoice To: David Gardner (Churon)
 P.O. # 60109060

Section A
 Company: Churon Environmental Services, Inc.
 Address: P.O. Box 4254
Houston, TX 77210-4254

Section C
 To Be Completed by Pace Analytical and Client
 Quote Reference: 783578
 Project Manager: 2024/58

Section D
 Required Client Information:
 Project Name: Churon SS # 60109060
 Project Number: 713 219 5223
 Phone: 713 219 5223
 Fax: 713 219 5223
 Address: 2924 Collins Dr. Boston Ranch, LA

Section E
 Client Information (Check quote/contract):
 Requested Due Date: TAT
 * Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
 Turn Around Time (TAT) in calendar days.

Section F
 Client Information (Check quote/contract):
 Requested Due Date: TAT
 * Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
 Turn Around Time (TAT) in calendar days.

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED	TIME COLLECTED	# Containers	PRESERVATIVES							EST/MTB (P&C)	TPH-REC (BCIS)	Remarks / Lab ID
						Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Na ₂ SO ₄				Other
1	SB-7(8-10)	SL	12/03/03	1010	124							X	X	Method 5035	
2	SB-7(12-14)	SL		1045	124							X	X	Method 5035	
3	MW-4(12-14)	SL		1130	73							X	X	Method 5035	
4	WE-2	WT		1145	3				3			X	X	Method 5035	
5	WE-2	WT		1150	3				3			X	X	661	
6	SB-7	WT		1205	6				6			X	X	664	
7	TRIP BLANK	WT			2				2			X	X	665	

SITE LOCATION	REGULATORY AGENCY	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NC <input type="checkbox"/> SC <input type="checkbox"/> GA <input type="checkbox"/>	GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/>	<u>Seth Demersque/CRA</u>	<u>12/04/11</u>	<u>11:45</u>	<u>F. Demersque</u>	<u>12/04/11</u>	<u>11:45</u>
Other <input type="checkbox"/>	NPDES <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/>	<u>F. Demersque</u>	<u>12/04/11</u>	<u>14:10</u>	<u>C. Demersque</u>	<u>12/04/11</u>	<u>14:10</u>

SAMPLE NOTES
 CRA # 27453-01
 10 pens are here for disposal.
 * Please dispose of all samples NOT listed on COC.
 Only run VPH if TPH-REC exceeds within 0.5 mg/kg (soil) or 0.15 mg/L (water).

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: CARLOS GIRON
 SIGNATURE OF SAMPLER: [Signature]
 DATE Signed: 12/13/03

Additional Comments:
 ORIGINAL



Pace Analytical[®]
www.pacelabs.com

Pace Analytical Services, Inc.
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St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555

December 23, 2003

Mr. David Gardner
CHEVRON PRODUCTS CO.
5959 Corporate Dr.
Houston, TX 77036

RE: Lab Project Number: 2024423
Client Project ID: 60109060

Dear Mr. Gardner:

Enclosed are the analytical results for sample(s) received by the laboratory on December 10, 2003. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,



Cindy Olavesen
cindy.olavesen@pacelabs.com
(504) 305-3626
Project Manager

Enclosures

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

Phone: 504.469.0333
Fax: 504.469.0555



Report of Laboratory Analysis
Project Number: 2024423





Sample Cross Reference Report

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Project No.: 2024423

Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
MW-1	20201209	Water	12/09/2003 10:20	12/10/2003 15:30
MW-2	20201210	Water	12/09/2003 10:30	12/10/2003 15:30
MW-3	20201211	Water	12/09/2003 10:00	12/10/2003 15:30
MW-4	20201212	Water	12/09/2003 10:10	12/10/2003 15:30
TRIP BLANK	20201215	Water	12/09/2003	12/10/2003 15:30
WF-1	20201214	Water	12/09/2003 09:55	12/10/2003 15:30
WR-1	20201213	Water	12/09/2003	12/10/2003 15:30

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7395
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/IZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)

12/23/2003 17:49:37



Report of Laboratory Analysis

Pace Analytical Services, Inc.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client ID: <u>MW-1</u> Project: <u>60109060</u> Lab ID: <u>20201209</u> Description: <u>None</u>	Client: <u>CHEVRON PRODUCTS CO.</u> Site: <u>None</u> Project No.: <u>2024423</u> Prep Factor: <u>1</u> Collected: <u>12/09/03</u> Received: <u>12/10/03</u> Matrix: <u>Water</u> %Moisture:
---	--

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	34354	1	96.3		ug/L	50.0	22-Dec-03 07:37	150.
Benzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 17:57	
Ethylbenzene	SW 8260 Volat	34068	1	9.70		ug/L	5.00	17-Dec-03 17:57	
Methyl tert-butyl ether (	SW 8260 Volat	34068	1	17.2		ug/L	5.00	17-Dec-03 17:57	
Toluene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 17:57	
m,p-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 17:57	
o-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 17:57	

7 parameter(s) reported

Client ID: <u>MW-2</u> Project: <u>60109060</u> Lab ID: <u>20201210</u> Description: <u>None</u>	Client: <u>CHEVRON PRODUCTS CO.</u> Site: <u>None</u> Project No.: <u>2024423</u> Prep Factor: <u>1</u> Collected: <u>12/09/03</u> Received: <u>12/10/03</u> Matrix: <u>Water</u> %Moisture:
---	--

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	34354	1	263.		ug/L	50.0	22-Dec-03 08:04	150.
Benzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 19:19	
Ethylbenzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 19:19	
Methyl tert-butyl ether (	SW 8260 Volat	34068	2	400.	D1	ug/L	10.0	18-Dec-03 13:03	
Toluene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 19:19	
m,p-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 19:19	
o-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 19:19	

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.

Laboratory Certifications: Puerto Rico - 3449
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA008006
 Florida Dept. of Health/Hazardous Waste (NELAQ) - E87585
 Kansas Dept. of Health & Environment/ELWHW - E-10266
 New Jersey DEPE/Wastewater - 58002
 LA Dept. of Environmental Quality (LELAP) - 02006
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
 USDA Foreign Sell Import (U.S. Territories) - S47270



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

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Client ID: MW-3

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20201211

Project No.: 2024423

Prep Factor: 1

Description: None

Collected: 12/09/03

Received: 12/10/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	34354	1	239.		ug/L	50.0	22-Dec-03 10:21	150.
Benzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:23	
Ethylbenzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:23	
Methyl tert-butyl ether (	SW 8260 Volat	34068	1	15.5		ug/L	5.00	18-Dec-03 13:23	
Toluene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:23	
m,p-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:23	
o-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:23	

7 parameter(s) reported

Client ID: MW-4

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20201212

Project No.: 2024423

Prep Factor: 1

Description: None

Collected: 12/09/03

Received: 12/10/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O	SW 8015B TP	34354	1	ND		ug/L	50.0	22-Dec-03 20:32	150.
Benzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:43	
Ethylbenzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:43	
Methyl tert-butyl ether (	SW 8260 Volat	34068	1	21.5		ug/L	5.00	18-Dec-03 13:43	
Toluene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:43	
m,p-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:43	
o-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	18-Dec-03 13:43	

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.

Laboratory Certifications: Puerto Rico - 3449
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water - LA000006
Florida Dept. of Health/Hazardous Waste (RELAC) - EB7595
Kansas Dept. of Health & Environment/ELNHRW - E-10266
New Jersey DEPE/Wastewater - 50002
LA Dept. of Environmental Quality (LELAP) - 02006
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
USDA Foreign Sell Import (U.S. Territories) - S-47270

12/23/2003 17:49:42



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

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Client ID: WR-1

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20201213

Project No.: 2024423

Prep Factor: 1

Description: None

Collected: 12/09/03

Received: 12/10/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
TPH - Gasoline Range O SW 8015B TP	SW 8260 Volat	34354	1	245.	G7	ug/L	50.0	22-Dec-03 20:58	150.
Benzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:21	
Ethylbenzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:21	
Methyl tert-butyl ether (	SW 8260 Volat	34068	2	376.	D1	ug/L	10.0	18-Dec-03 14:04	
Toluene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:21	
m,p-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:21	
o-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:21	

7 parameter(s) reported

Client ID: WF-1

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20201214

Project No.: 2024423

Prep Factor: 1

Description: None

Collected: 12/09/03

Received: 12/10/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
Benzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:41	
Ethylbenzene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:41	
Methyl tert-butyl ether (	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:41	
Toluene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:41	
m,p-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:41	
o-Xylene	SW 8260 Volat	34068	1	ND		ug/L	5.00	17-Dec-03 20:41	

6 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.

Laboratory Certifications: Puerto Rico - 3443
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water - LA000006
Florida Dept. of Health/Hazardous Waste (MELAC) - E87595
Kansas Dept. of Health & Environment/ELWRW - E-10266
New Jersey DEPE/Wastewater - 58002
LA Dept. of Environmental Quality (RELAP) - 02006
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
USDA Foreign Soil Import (U.S. Territories) - 547270

12/23/2003 17:49:42



Report of Laboratory Analysis

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Client ID: TRIP BLANK

Client: CHEVRON PRODUCTS CO.

Project: 60109060

Site: None

Lab ID: 20201215

Project No.: 2024423

Prep Factor: 1

Description: None

Collected: 12/09/03

Received: 12/10/03

Matrix: Water

%Moisture:

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep. Analysis	Reg. Limit
Benzene	SW 8021 Arom	34353	1	ND		ug/L	0.500	22-Dec-03 14:41	
Ethylbenzene	SW 8021 Arom	34353	1	ND		ug/L	0.500	22-Dec-03 14:41	
Methyl tert-butyl ether (	SW 8021 Arom	34353	1	ND		ug/L	0.500	22-Dec-03 14:41	
Toluene	SW 8021 Arom	34353	1	ND		ug/L	0.500	22-Dec-03 14:41	
m,p-Xylene	SW 8021 Arom	34353	1	ND		ug/L	0.500	22-Dec-03 14:41	
o-Xylene	SW 8021 Arom	34353	1	ND		ug/L	0.500	22-Dec-03 14:41	

6 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.

Laboratory Certifications: Puerto Rico - 3449
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA008006
Florida Dept. of Health/Hazardous Waste (NELAC) - E87585
Kansas Dept. of Health & Environment/ELWHW - E-10265
New Jersey DEPE/Wastewater - 58002
LA Dept. of Environmental Quality (LELAP) - 02006
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
USDA Foreign Soil Import (U.S. Territories) - S-47270

12/23/2003 17:49:42



Report of Quality Control

Pace Analytical Services, Inc.
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Fax: 504.469.0555

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Method: Water GC/MS Volatile Organics

Project No.: 2024423

Batch: 34068

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Benzene	50	113			50						74 - 137	63 - 146	25
Benzene	50	109			50	117	121	3			74 - 137	63 - 146	25
Ethylbenzene	50	104			50						65 - 133	57 - 138	25
Ethylbenzene	50	102			50	114	109	4			65 - 133	57 - 138	25
Methyl tert-butyl ether (MTBE)	50	126			50						50 - 142	50 - 150	25
Methyl tert-butyl ether (MTBE)	50	133			50	122	128	4			50 - 142	50 - 150	25
Toluene	50	105			50						73 - 133	54 - 148	25
Toluene	50	112			50	115	116	0			73 - 133	54 - 148	25
m,p-Xylene	100	108			100						72 - 130	70 - 130	25
m,p-Xylene	100	107			100	117	113	3			72 - 130	70 - 130	25
o-Xylene	50	105			50						74 - 133	64 - 141	25
o-Xylene	50	104			50	111	111	0			74 - 133	64 - 141	25

12 compound(s) reported

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

12/23/2003 17:49:43

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA B30013
Florida Dept. of Health/Hazardous Waste - E87593
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

Method: Water GC/MS Volatile Organics

Report: 2024423

Batch: 34068

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20201209	Sample	93	92	96					
20201210	Sample	94	91	94					
20201210DL	Dilution	93	90	100					
20201211	Sample	94	92	100					
20201212	Sample	92	91	99					
20201213	Sample	93	91	95					
20201213DL	Dilution	91	90	100					
20201214	Sample	94	92	96					
20201225	Sample	94	86	101					
20201226	Sample	92	95	97					
20201227	Sample	87	94	91					
20201285	Sample	88	91	89					
20201286	Sample	93	92	96					
20201287	Sample	95	91	97					
20201296	Sample	92	90	96					
20202562	Sample	94	87	93					
20202588	Sample	98	90	100					
20202593	Sample	92	91	99					
20202594	Sample	92	89	106					
20202599	Sample	95	90	101					
20202600	Sample	95	90	101					
20202601	Sample	93	92	105					
34068BA17	Blank	94	89	105					
34068BA18	Blank	94	92	106					
34068MS	Spike	96	90	98					
34068MSD	Spike Dup	94	88	94					
34068SA17	LCS	97	88	99					
34068SA18	LCS	93	87	100					

QC limits: 76-120 74-127 66-121

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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 34068BA17

Description: Water Method Blank

Project No.: 2024423

Method: Water GC/MS Volatile Organics

Batch: 34068

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 17-Dec-03 10:21

RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

6 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.

12/23/2003 17:49:46

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHRW - E-10266
LELAP (NELAP WW/KZ) - 02006
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Pace Analytical Services, Inc.
1000 Riverbend Blvd, Suite F
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Phone: 504.469.0333
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Lab ID: 34068BA18

Description: Water Method Blank

Project No.: 2024423

Method: Water GC/MS Volatile Organics

Batch: 34068

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 18-Dec-03 10:51 RMP

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
1330-20-7	m,p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

6 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.

12/23/2003 17:49:46

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87593
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HQ) - 02006
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Report of Quality Control

Pace Analytical Services, Inc.
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 Saint Rose, LA 70087

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Method: Water GC Organics

Project No.: 2024423

Batch: 34354

Units: ug/L

Parameter Name	LCS	LCS	LCSD	LCS	MS	MS	MSD	(1)MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
TPH - Gasoline Range Organics	500	111			500					50 - 150	50 - 150	25	
TPH - Gasoline Range Organics	500	117			500					50 - 150	50 - 150	25	
TPH - Gasoline Range Organics	500	111			500					50 - 150	50 - 150	25	

3 compound(s) reported

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

12/23/2003 17:49:47

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E97595
 Kansas Dept. of Health & Environment/ELWMTW - E-10266
 LELAP (NELAP WW/12) - 02006
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Report of Quality Control

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Method: Water GC Volatile Organics

Project No.: 2024423

Batch: 34353

Units: ug/L

Parameter Name	LCS	LCS	LCS	LCS	MS	MS	MSD (1)	MS	DUP	QC Limits		Max	Qu
	Spike	%Rec	%Rec	RPD	Spike	%Rec	%Rec	RPD	RPD	LCS	MS/MSD	RPD	
Benzene	20	92			20	95	95	0		78 - 127	52 - 142	25	
Benzene	20	97			20					78 - 127	52 - 142	25	
Benzene	20	92			20					78 - 127	52 - 142	25	
Ethylbenzene	20	100			20					87 - 129	54 - 147	25	
Ethylbenzene	20	100			20	100	101	1		87 - 129	54 - 147	25	
Ethylbenzene	20	104			20					87 - 129	54 - 147	25	
Methyl tert-butyl ether (MTBE)	20	76			20					61 - 130	50 - 150	25	
Methyl tert-butyl ether (MTBE)	20	76			20	85	84	1		61 - 130	50 - 150	25	
Methyl tert-butyl ether (MTBE)	20	85			20					61 - 130	50 - 150	25	
Toluene	20	100			20					85 - 131	61 - 145	25	
Toluene	20	94			20	98	98	0		85 - 131	61 - 145	25	
Toluene	20	94			20					85 - 131	61 - 145	25	
m,p-Xylene	40	107			40					90 - 135	56 - 153	25	
m,p-Xylene	40	107			40	102	102	0		90 - 135	56 - 153	25	
m,p-Xylene	40	105			40					90 - 135	56 - 153	25	
o-Xylene	20	110			20					91 - 133	61 - 149	25	
o-Xylene	20	110			20	104	102	2		91 - 133	61 - 149	25	
o-Xylene	20	107			20					91 - 133	61 - 149	25	

18 compound(s) reported

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

12/23/2003 17:49:47

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
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U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)

Method: Water GC Volatile Organics

Report: 2024423

Batch: 34353

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20201215	Sample	95	98						
20201232	Sample	93	97						
20201254	Sample	90	99						
20201255	Sample	90	97						
20201256	Sample	109	99						
20201297	Sample	94	96						
20201313	Sample	100	98						
20201314	Sample	93	99						
20201315	Sample	93	98						
20201316	Sample	100	98						
20201317	Sample	107	98						
20201968	Sample	89	96						
20201969	Sample	92	97						
20201970	Sample	94	99						
20202916	Sample	92	95						
20202917	Sample	94	97						
20202921	Sample	92	99						
20202922	Sample	89	96						
20203313	Sample	94	95						
20203320	Sample	104	98						
34353B1	Blank	91	94						
34353B2	Blank	96	97						
34353B3	Blank	96	97						
34353B4	Blank	90	95						
34353MS	Spike	93	100						
34353MSD	Spike Dup	93	97						
34353S1	LCS	100	110						
34353S2	LCS	100	110						
34353S3	LCS	106	103						

QC limits: 70-130 70-130

Sur 1: 4-Bromofluorobenzene (PID) (S)
Sur 2: 4-Bromofluorobenzene (PID) confirmat

* 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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2O - 02006
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U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Soil Import (U.S. Territories)

Method: Water GC Organics

Report: 2024423

Batch: 34354

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20200977	Sample		86						
20200978	Sample		88						
20201209	Sample		105						
20201210	Sample		109						
20201211	Sample		102						
20201212	Sample		98						
20201213	Sample		98						
20201225	Sample		94						
20201226	Sample		84						
20201227	Sample		109						
20201228	Sample		100						
20201253	Sample		95						
20201968	Sample		94						
20201969	Sample		100						
20201970	Sample		99						
20202916	Sample		100						
20202917	Sample		100						
20202921	Sample		99						
20203037	Sample		106						
20203039	Sample		106						
34354B1	Blank		98						
34354B2	Blank		94						
34354B3	Blank		94						
34354B4	Blank		101						
34354B5	Blank		95						
34354MS	Spike		101						
34354MSD	Spike Dup		101						
34354S1	LCS		90						
34354S2	LCS		86						
34354S3	LCS		97						

QC limits: 70-130

Sur 2: 4-Bromofluorobenzene (FID) (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.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/H2) - 02006
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Report of Method Blank

Pace Analytical Services, Inc.
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Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 34353B1

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Volatile Organics

Batch: 34353

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 22-Dec-03 01:18 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	m,p-Xylene	1	ND		0.500
95-47-6	o-Xylene	1	ND		0.500

6 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HD) - 02006
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Report of Method Blank

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

Phone: 504.469.0333
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www.pacelabs.com

Lab ID: 34353B2

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Volatile Organics

Batch: 34353

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 22-Dec-03 14:14

NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	m,p-Xylene	1	ND		0.500
95-47-6	o-Xylene	1	ND		0.500

6 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (RELAP WW/R2) - 02006
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Report of Method Blank

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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

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Lab ID: 34353B3
Description: Water Method Blank Project No.: 2024423
Method: Water GC Volatile Organics Batch: 34353 Units: ug/L
Prep Factor: 1 Leached: Prepared: Analyzed: 22-Dec-03 14:14 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	m,p-Xylene	1	ND		0.500
95-47-6	o-Xylene	1	ND		0.500

6 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WWTQ) - 02006
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Report of Method Blank

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1000 Riverbend Blvd, Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555

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Lab ID: 34353B4

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Volatile Organics

Batch: 34353

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 23-Dec-03 01:56 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	m,p-Xylene	1	ND		0.500
95-47-6	o-Xylene	1	ND		0.500

6 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (RELAP WW/HZ) - 02006
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Report of Method Blank

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1000 Riverbend Blvd, Suite F
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Phone: 504.469.0333
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Lab ID: 34354B1

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Organics

Batch: 34354

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 22-Dec-03 01:18 NM

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HQ) - 02006
EQB - Certified Puerto Rico Chemist
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Report of Method Blank

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 1000 Riverbend Blvd, Suite F
 Saint Rose, LA 70087
 Phone: 504.469.0333
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Lab ID: 34354B2

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Organics

Batch: 34354

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 22-Dec-03 14:14 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/23/2003 11:49:50

Laboratory Certifications:
 Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
 Florida Dept. of Health/Hazardous Waste - E87595
 Kansas Dept. of Health & Environment/ELWHW - E-10286
 LELAP (NELAP WW/112) - 02006
 EQB - Certified Puerto Rico Chemist
 U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
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Phone: 504.469.0333
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Lab ID: 34354B3

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Organics

Batch: 34354

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 22-Dec-03 14:14 NMJ

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - EB7595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WWTQ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services -
Foreign Sell Import (U.S. Territories)



Report of Method Blank

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

Phone: 504.469.0333
Fax: 504.469.0555

www.pacelabs.com

Lab ID: 34354B4

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Organics

Batch: 34354

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 23-Dec-03 01:55 **NMI**

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/23/2003 17:49:50

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
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Saint Rose, LA 70087

Phone: 504.469.0333
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www.pacelabs.com

Lab ID: 34354B5

Description: Water Method Blank

Project No.: 2024423

Method: Water GC Organics

Batch: 34354

Units: ug/L

Prep Factor: 1

Leached:

Prepared:

Analyzed: 23-Dec-03 09:07 NMI

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
	TPH - Gasoline Range Organics	1	ND		50.0

1 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.

12/23/2003 17:49:50

Laboratory Certifications:
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