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

Phone: 504.469.0333
Fax: 504.469.0555

Project No.: 2024423

Analyte Qualifiers

Qualifier	Qualifier Description
G7	Components present in the elution range of the hydrocarbon type consist predominately of individual peaks.

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.

Pace Analytical®
www.pacelabs.com

783563

Page: 1 of 1

Section A — Required Client Information:

Company: Chevron Environ Mgmt. Co
Address: PO BOX 4256
Houston, TX 77210-4256
Phone: 713 219 5223 Fax: 866 653 0300

Section B — Required Client Information:

Report To: Seth Domangue (CRA)
Copy To: David Gardner (Chevron)
Invoice To: David Gardner (Chevron)
P.O.:
Project Name: 2929 College Dr. Baton Rouge, LA
Project Number: Chevron SS# 601090160

Client Information (Check quote/contract):
Requested Due Date: *TAT: 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 C — To Be Completed by Pace Analytical and Client

Quote Reference:
Project Manager:
Project #: 2024423
Profile #:

Section D — Required Client Information:

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: BTEX/MTBE (8260)	TPH-GRO (8015B)	BTEX (8021B)	Remarks / Lab ID
1	MW-1	WT	12/09/03	1020	3				3					X	X		20201209
2	MW-2			1030	3				3					X	X		210
3	MW-3			1000	3				3					X	X		211
4	MW-4			1010	3				3					X	X		212
5	WR-1			—	3				3					X	X		213
6	WF-1			0955	3				3					X			214
7	TRIP BLANK		—	—	2				2						X		215 provided by lab
8																	
9																	
10																	
11																	
12																	

SITE LOCATION
☐ NC ☐ SC ☐ GA
☐ Other

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Fred Mack / CRA	12-10-03	0730	Florence Pace	12/10/03	1330
Trey Davis	12/10/03	15:30		12/10/03	1530
	12/10/03	16:15		12/10/03	16:15

SAMPLE CONDITION

Temp in °C	3.0
Received on Ice	(Y) N
Sealed Cooler	(Y) N
Samples Intact	(Y) N

SAMPLE NOTES
CRA # 27453-01

Additional Comments:

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: FRED MACK / TREY DAVIS
SIGNATURE of SAMPLER: Fred Mack
DATE Signed: (MM / DD / YY) 12-09-03

TRANSMITTAL

STE

Soil Testing Engineers, Inc.

To: CRA Services
4915 S Sherwood Forest Blvd
Baton Rouge, LA 70816

Date: December 16, 2003
STE File No.: 03-7093
Project: Chevron #60109010

Attention: Seth Domangue

From: George L. Perkins, C.E.T.

COPIES	DESCRIPTION
1	Laboratory Test Data Table 1
1	Gradation Curve
1	Chain of Custody

THESE ARE TRANSMITTED:

■ **FOR YOUR USE** ☐ **FOR REVIEW & COMMENT** ■ **AS REQUESTED**

☐ **REVISE AS NOTED** ☐ **TO BE DISTRIBUTED**

REMARKS: _____

LELAP Certificate No. 02052

316 HIGHLANDIA DRIVE
BATON ROUGE, LA 70810
(225) 752-4790 FAX: (225) 752-4878

LELAP Certificate No.: 02052

CRA Project No. 27453-01-Chevron 60109010
LABORATORY TEST RESULTS
TABLE 1

Date Tested	Sample ID	Depth (feet)	ASTM D2216 Moisture Content (%)	Dry Density (pcf)	Volumetric Moisture Content (decimal)	Volumetric Air Content (decimal)	Total Porosity (decimal)	ASTM D854 Specific Gravity	ASTM D2216 Compressive Strength (tsf)	ASTM D2974 Organic Content (%)	ASTM D4318 Atterberg Limits LL (%)	PL (%)	PI (%)	ASTM D422 Particle Size Analysis	ASTM D2487 CLASSIFICATION
09-Dec	GT-1	4-8	25.6	104.6	N/A	N/A	N/A	N/A	N/A	2.70	34	22	12	*	Tan & Light Gray silty clay w/ferrous nodules (CL)

NOTE:* See attached graphs
(1)FOC = Organic content divided by 174
(2)Any optional tests methods used ☐ yes ☑ no if yes list.

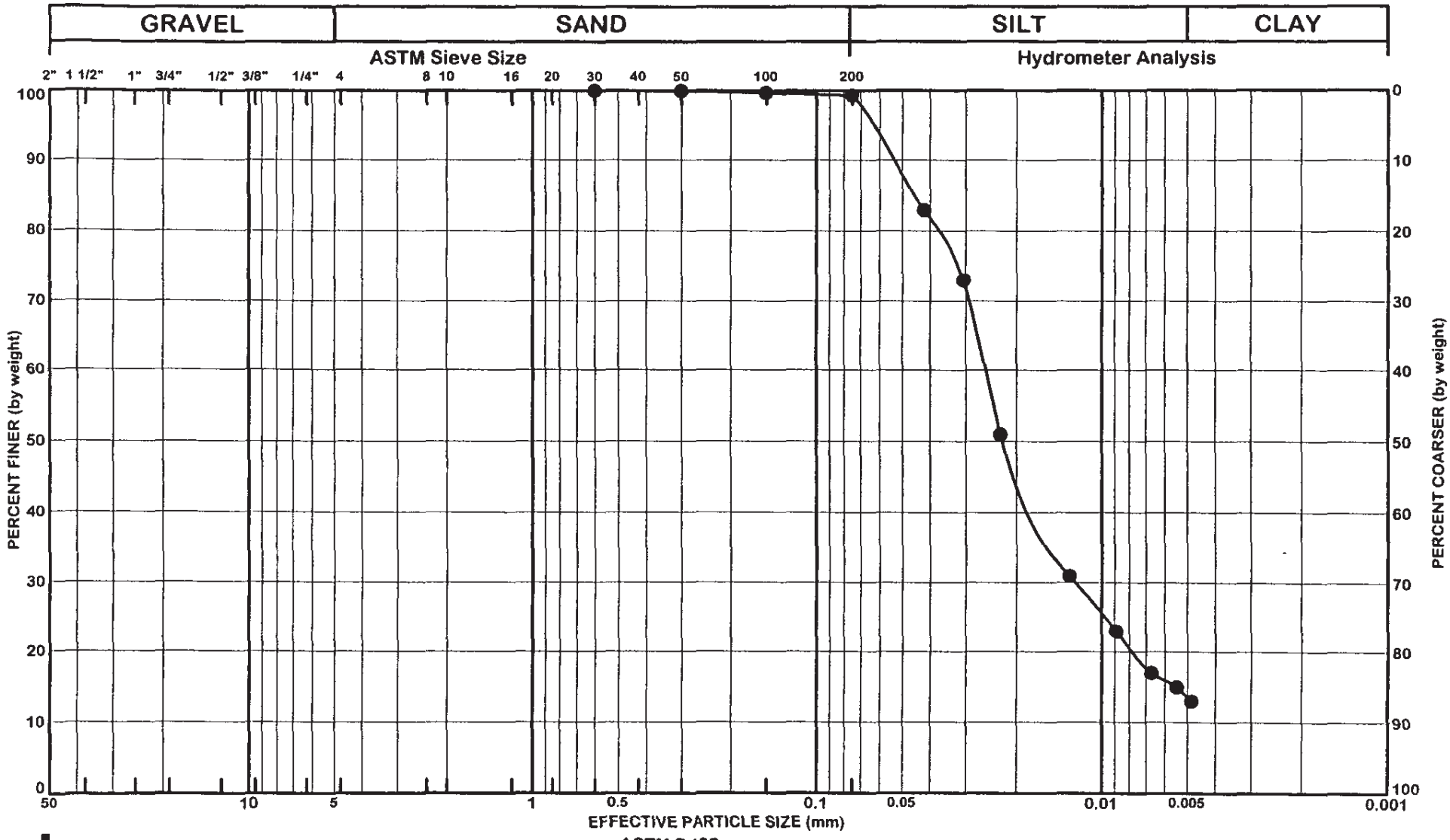
STE
Soil Testing Engineers, Inc.
316 Highlandia Drive
Baton Rouge, LA

Client:CRA
Location:Baton Rouge, LA

STE File:03-7093
12/11/03

Boring No.	Depth (ft.)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)
● GT-1	4.0 - 8.0	0.0	0.7	85.8	13.5

LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc

CRA Services
Project 27453-01

GRAIN SIZE ANALYSIS

File No.: 03-7093
Date: 12/11/2003

GRAINSZ 037093.GPJ GRAINSZ.GDT 12/13/03

03-5049

RETURN RESULTS TO CRA OFFICE NOTED:
X Baton Rouge, LA (225) 292-9007 — Charlotte, NC (704) 676-0502
Houston, TX (281) 492-8311 — Nashville, TN (615) 778-2532
Oklahoma City, OK (405) 840-0301 — Shreveport, LA (318) 868-3003

Conestoga-Rovers & Associates
CHAIN-OF-CUSTODY RECORD

DOCUMENT No. № 33070

Purchase Order No. 50-017595-0

Page 1 of 1

Project No.	Project Name
27453-01	Church 60109010/2929 College Dr., Baton Rouge, LA

Samplers: (Print/Signature)
1. CARLOS GIRON / Carlos Giron
2. /
3. /

Sample I.D.	Date	Time	Comp.	Grab	Coll. By 1,2,3	Matrix	No. of Containers	ANALYSIS/METHOD: Dry Bulk Density (ASTM D-2166)	For (ASTM D-2974)	Water Content (ASTM D-2216)	Gradation Sieve (ASTM D-422)	Atterberg Limits (ASTM D-4318)	Remarks
GT-1 (4-8')	12/03/03	1140		X	1	SOIL	1	X	X	X	X	X	

CHECK IF PRESERVED:

Relinquished by (Signature):	Date	Time	Received by (Signature):	Relinquished by (Signature):	Date	Time	Received by (Signature):
Carlos Giron	12/3/03	16:00	Karen Al Cain				
Relinquished by (Signature):	**Date**	**Time**	**Received by (Signature):**	**Relinquished by (Signature):**	**Date**	**Time**	**Received for Lab by (Signature)**

ALL SAMPLES ICED IN THE FIELD AND DURING TRANSPORT TO THE LAB.
— YES ✓ NO

CRA CONTACT: Seth Dorenzo

TRANSPORTED BY: CRA

LABORATORY: STE

ANALYSES TO BE COMPLETED:
— FAST TURNAROUND ✓ NORMAL TURNAROUND PERIOD
DATE: — CALL CRA WITH RESULTS UPON COMPLETION

WHITE (REPORT COPY) YELLOW (LABORATORY COPY) PINK (PROJECT MANAGER COPY) GOLD (FILE COPY)

RETURN RESULTS TO CRA OFFICE NOTED:
X Baton Rouge, LA (225) 292-9007
__ Houston, TX (281) 492-8311
__ Oklahoma City, OK (405) 840-0301
__ Charlotte, NC (704) 676-0502
__ Nashville, TN (615) 778-2532
__ Shreveport, LA (318) 868-3003

Conestoga-Rovers & Associates
CHAIN-OF-CUSTODY RECORD

DOCUMENT No. № 33070

Purchase Order No. [illegible]

Page 1 of 1

Project No. [illegible]-01

Project Name [illegible]

Samplers: (Print/Signature)
1. CARLOS [illegible] / [signature]
2. /
3. /

Sample I.D.	Date	Time	Comp.	Grab	Coll. By 1,2,3	Matrix	No. of Containers	Dry Bulk Density (ASTM D-2937)	Foc (ASTM D-2974)	Water Content (ASTM D-2216)	Grain Size (ASTM D-422)	Atterberg Limits (ASTM D-4318)						Remarks
CST-1 (4-8')	12/03/03	1140		X	1	Soil	1	X	X	X	X	X						
CHECK IF PRESERVED:																		

Relinquished by (Signature):	Date	Time	Received by (Signature):	Relinquished by (Signature):	Date	Time	Received by (Signature):
[signature]	12/7/03	[illegible]	[signature]				

Relinquished by (Signature):	Date	Time	Received by (Signature):	Relinquished by (Signature):	Date	Time	Received for Lab by (Signature)

ALL SAMPLES ICED IN THE FIELD AND DURING TRANSPORT TO THE LAB.
__ YES ✓ NO

CRA CONTACT: [signature]

TRANSPORTED BY: CRA

LABORATORY: STE

ANALYSES TO BE COMPLETED:
__ FAST TURNAROUND
✓ NORMAL TURNAROUND PERIOD
DATE: __
__ CALL CRA WITH RESULTS UPON COMPLETION

WHITE (REPORT COPY) YELLOW (LABORATORY COPY) PINK (PROJECT MANAGER COPY) GOLD (FILE COPY)

APPENDIX B

LDOTD MONITOR WELL REGISTRATION FORMS

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

WATER RESOURCES SECTION

WATER WELL REGISTRATION SHORT FORM (DOTD-GW-1S)

PLEASE PRINT IN INK OR TYPE WHEN COMPLETING THIS FORM

1. USE OF WELL (Check Appropriate Box)

☐ DOMESTIC ☐ RIG SUPPLY ☒ MONITORING ☐ PIEZOMETER ☐ RECOVERY

☐ HEAT PUMP HOLE ☐ HEAT PUMP SUPPLY ☐ ABANDONED PILOT HOLE ☐ OTHER _____ (Please Specify)

2. WELL OWNER Chevron Products Co. PHONE (713) 219-5223

3. WELL OWNER'S ADDRESS PO Box 4256, Houston, TX 77210-4256

4. OWNER'S WELL NUMBER OR NAME (if any) MW-1

5. DATE COMPLETED 11/18/03 (JPF) DEPTH OF HOLE 14 FT. DEPTH OF WELL 14 FT.

6. STATIC WATER LEVEL 3.74 FT. BELOW GROUND SURFACE MEASURED ON 12/9/03 (Date)

7. CASING 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER LENGTH 4 FT.

8. SCREEN 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER SLOT SIZE 0.01 LENGTH 10.0 (JPF) FT.

9. CEMENTED FROM 1 FT. TO GROUND SURFACE, USING ☐ PUMP DOWN METHOD OR ☒ GRAVITY METHOD

10. LOCATION OF WELL: PARISH East Baton Rouge WELL IS NEAR, Baton Rouge (Town or City)

APPROXIMATELY 0.0 MILES FROM intersection of College Dr & Interstate I-10 (Crossroads, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

11. REMARKS: _____

12. DRILLER'S LOG (Description and color of cuttings, such as shale, sand, etc. in feet)

FROM	TO	DESCRIPTION	FROM	TO	DESCRIPTION
0	8	Silty Clay			
8	14	Gray Brown Clay			

13. FOR HEAT PUMP ONLY: AVG. DEPTH _____ FT. NUMBER OF HOLES _____

14. ABANDONMENT INFORMATION: DOES THE NEW WELL REPLACE AN EXISTING WELL? YES ☐ NO ☒

15. NAME OF PERSON WHO DRILLED THE WELL: Walker - Hill Environmental, Inc.

(REV. 7/93) DOTD'S COPY

Conestoga - Rovers & Associates
Name of Water Well Contractor

LICENSE NUMBER WWC-586

Authorized Signature 1/13/04 Date

MAIL ORIGINAL TO:

LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT
ATTN.: CHIEF - WATER RESOURCES SECTION
P.O. BOX 94245
BATON ROUGE, LA 70804-9245
(225) 379-1434

FOR OFFICE USE ONLY

PARISH WELL NO.

IDENTIFICATION NUMBER

REVISED COORDINATES

Geologic Unit

Use of Well

SECTION TOWNSHIP RANGE

ELEV. QUAD. NO.

INPUT BY: _____ DATE: _____

INSPECTED BY: _____ DATE: _____

REMARKS: _____

FOR MONITOR/PIEZO/RECOVERY WELLS ONLY

LATITUDE 30 25 18 LONGITUDE 91 08 24

SECTION 14 TOWNSHIP T7S RANGE R1E

ELEV. 35 QUAD. NO. 163A

SITE ADDRESS: Chevron 40109040

2929 College Dr., Baton Rouge, LA

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
WATER RESOURCES SECTION
WATER WELL REGISTRATION SHORT FORM (DOTD-GW-1S)

PLEASE PRINT IN INK OR TYPE WHEN COMPLETING THIS FORM

1. USE OF WELL (Check Appropriate Box)
☐ DOMESTIC ☐ RIG SUPPLY ☒ MONITORING ☐ PIEZOMETER ☐ RECOVERY
☐ HEAT PUMP HOLE ☐ HEAT PUMP SUPPLY ☐ ABANDONED PILOT HOLE ☐ OTHER _____ (Please Specify)

2. WELL OWNER Chevron Products Co. PHONE (713) 219-5223

3. WELL OWNER'S ADDRESS PO Box 4256, Houston, TX 77210-4256

4. OWNER'S WELL NUMBER OR NAME (if any) MW-2

5. DATE COMPLETED 11/18/03 DEPTH OF HOLE 14 FT. DEPTH OF WELL 14 FT.

6. STATIC WATER LEVEL 3.70 FT. BELOW GROUND SURFACE MEASURED ON 12/9/03 (Date)

7. CASING 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER LENGTH 4 FT. JPF

8. SCREEN 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER SLOT SIZE 0.01 LENGTH 10 FT.

9. CEMENTED FROM 1 FT. TO GROUND SURFACE, USING ☐ PUMP DOWN METHOD OR ☒ GRAVITY METHOD

10. LOCATION OF WELL: PARISH East Baton Rouge WELL IS NEAR, Baton Rouge (Town or City)
APPROXIMATELY 0.0 MILES FROM intersection of College Dr & Interstate I-10 (Crossroads, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

11. REMARKS: _____

12. DRILLER'S LOG (Description and color of cuttings, such as shale, sand, etc. in feet)

FROM	TO	DESCRIPTION	FROM	TO	DESCRIPTION
0	8	Silty Clay			
8	14	Gray Brown Clay			

13. FOR HEAT PUMP ONLY: AVG. DEPTH _____ FT. NUMBER OF HOLES _____

14. ABANDONMENT INFORMATION: DOES THE NEW WELL REPLACE AN EXISTING WELL? YES ☐ NO ☒

15. NAME OF PERSON WHO DRILLED THE WELL: Walker-Hill Environmental, Inc.

(REV. 7/93) DOTD'S COPY

Conestoga-Rovers & Associates
Name of Water Well Contractor

LICENSE NUMBER WWC-586

Authorized Signature 1/13/04 Date

MAIL ORIGINAL TO:
LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT
ATTN.: CHIEF - WATER RESOURCES SECTION
P.O. BOX 94245
BATON ROUGE, LA 70804-9245
(225) 379-1434

FOR OFFICE USE ONLY
PARISH WELL NO.
IDENTIFICATION NUMBER
REVISED COORDINATES
Geologic Unit
Use of Well
SECTION TOWNSHIP RANGE
ELEV. QUAD. NO.
INPUT BY: _____ DATE: _____
INSPECTED BY: _____ DATE: _____
REMARKS: _____

FOR MONITOR/PIEZO/RECOVERY WELLS ONLY
LATITUDE 30 25 18 LONGITUDE 91 08 24
SECTION 94 TOWNSHIP T7S RANGE R1E
ELEV. 35 QUAD. NO. 163A
SITE ADDRESS: Chevron 6D109060
2929 College Dr., Baton Rouge, LA

[redacted] DEPARTMENT OF [redacted] AND DEVELOPMENT

WATER RESOURCES SECTION

WATER WELL REGISTRATION SHORT FORM (DOTD-GW-1S)

PLEASE PRINT IN INK OR TYPE WHEN COMPLETING THIS FORM

1. USE OF WELL (Check Appropriate Box)

☐ DOMESTIC ☐ RIG SUPPLY ☒ MONITORING ☐ PIEZOMETER ☐ RECOVERY

☐ HEAT PUMP HOLE ☐ HEAT PUMP SUPPLY ☐ ABANDONED PILOT HOLE ☐ OTHER _____ (Please Specify)

2. WELL OWNER Chevron Products Co. PHONE (713) 219-5223

3. WELL OWNER'S ADDRESS PO Box 4256, Houston, TX 77210-4256

4. OWNER'S WELL NUMBER OR NAME (if any) MW-3

5. DATE COMPLETED 11/18/03 DEPTH OF HOLE 14 FT. DEPTH OF WELL 14 FT.

6. STATIC WATER LEVEL 2.11 FT. BELOW GROUND SURFACE MEASURED ON 12/9/03 (Date)

7. CASING 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER LENGTH 4 FT. JPF

8. SCREEN 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER SLOT SIZE 0.01 LENGTH 10.0 FT.

9. CEMENTED FROM 1 FT. TO GROUND SURFACE, USING ☐ PUMP DOWN METHOD OR ☒ GRAVITY METHOD

10. LOCATION OF WELL: PARISH East Baton Rouge WELL IS NEAR, Baton Rouge (Town or City)

APPROXIMATELY 0.0 MILES FROM intersection of College Dr & Interstate I-10 (Crossroads, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

11. REMARKS: _____

12. DRILLER'S LOG (Description and color of cuttings, such as shale, sand, etc. in feet)

FROM	TO	DESCRIPTION	FROM	TO	DESCRIPTION
0	4	Silty Clay			
4	14	Gray/Brown Clay			

13. FOR HEAT PUMP ONLY: AVG. DEPTH _____ FT. NUMBER OF HOLES _____

14. ABANDONMENT INFORMATION: DOES THE NEW WELL REPLACE AN EXISTING WELL? YES ☐ NO ☒

15. NAME OF PERSON WHO DRILLED THE WELL: Walker-Hill Environmental, Inc.

(REV. 7/03) DOTD'S COPY

Conestoga-Rovers & Associates
Name of Water Well Contractor

LICENSE NUMBER WWC-586

Authorized Signature 1/13/04 Date

MAIL ORIGINAL TO:

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
ATTN.: CHIEF - WATER RESOURCES SECTION
P.O. BOX 94245
BATON ROUGE, LA 70804-9245
(225) 379-1434

FOR OFFICE USE ONLY

PARISH WELL NO.

IDENTIFICATION NUMBER

REVISED COORDINATES

Geologic Unit

SECTION TOWNSHIP RANGE

ELEV. QUAD. NO.

Use of Well

INPUT BY: _____ DATE: _____

INSPECTED BY: _____ DATE: _____

REMARKS: _____

FOR MONITOR/PIEZO/RECOVERY WELLS ONLY

LATITUDE 30 25 18 LONGITUDE 91 08 24

SECTION 94 TOWNSHIP T7S RANGE R1E

ELEV. 35 QUAD. NO. 163A

SITE ADDRESS: Chevron 60109060

2929 College Dr., Baton Rouge, LA

[redacted] LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

WATER RESOURCES SECTION

WATER WELL REGISTRATION SHORT FORM (DOTD-GW-1S)

PLEASE PRINT IN INK OR TYPE WHEN COMPLETING THIS FORM

1. USE OF WELL (Check Appropriate Box)

☐ DOMESTIC ☐ RIG SUPPLY ☒ MONITORING ☐ PIEZOMETER ☐ RECOVERY

☐ HEAT PUMP HOLE ☐ HEAT PUMP SUPPLY ☐ ABANDONED PILOT HOLE ☐ OTHER _____ (Please Specify)

2. WELL OWNER Chevron Products Co. PHONE (713) 219-5223

3. WELL OWNER'S ADDRESS PO Box 4256, Houston, TX 77210-4256

4. OWNER'S WELL NUMBER OR NAME (if any) MW-4

5. DATE COMPLETED 11/18/03 DEPTH OF HOLE 14.0 FT. DEPTH OF WELL 14 FT.

6. STATIC WATER LEVEL 3.34 FT. BELOW GROUND SURFACE MEASURED ON 12/9/03 (Date)

7. CASING 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER LENGTH 4 FT. SPF

8. SCREEN 2 IN. ☐ METAL ☒ PLASTIC ☐ OTHER SLOT SIZE 0.01 LENGTH 10 FT.

9. CEMENTED FROM 1 FT. TO GROUND SURFACE, USING ☐ PUMP DOWN METHOD OR ☒ GRAVITY METHOD

10. LOCATION OF WELL: PARISH East Baton Rouge WELL IS NEAR, Baton Rouge (Town or City)

APPROXIMATELY 0.0 MILES FROM intersection of College Dr. & Interstate I-10 (Crossroads, Railroad, Any Landmark, etc.)

(Please draw sketch on back of Original)

11. REMARKS: _____

12. DRILLER'S LOG (Description and color of cuttings, such as shale, sand, etc. in feet)

FROM	TO	DESCRIPTION	FROM	TO	DESCRIPTION
0	14	GRAY/BROWN SILTY CLAY			

13. FOR HEAT PUMP ONLY: AVG. DEPTH _____ FT. NUMBER OF HOLES _____

14. ABANDONMENT INFORMATION: DOES THE NEW WELL REPLACE AN EXISTING WELL? YES ☐ NO ☒

15. NAME OF PERSON WHO DRILLED THE WELL: Walker-Hill Environmental, Inc.

(REV. 7/93) DOTD'S COPY

Conestoga-Rovers & Associates

Name of Water Well Contractor

LICENSE NUMBER WWC-586

Authorized Signature 1/13/04 Date

MAIL ORIGINAL TO:

LOUISIANA DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT
ATTN.: CHIEF - WATER RESOURCES SECTION
P.O. BOX 94245
BATON ROUGE, LA 70804-9245
(225) 379-1434

FOR OFFICE USE ONLY

PARISH WELL NO.

IDENTIFICATION NUMBER

REVISED COORDINATES

Geologic Unit

SECTION TOWNSHIP RANGE

ELEV. QUAD. NO.

Use of Well

INPUT BY: _____ DATE: _____

INSPECTED BY: _____ DATE: _____

REMARKS: _____

FOR MONITOR/PIEZO/RECOVERY WELLS ONLY

LATITUDE 30 25 18 LONGITUDE 91 08 24

SECTION 14 TOWNSHIP T7S RANGE R1E

ELEV. 35 QUAD. NO. 163A

SITE ADDRESS: Chevron 100109060

2929 College Dr., Baton Rouge, LA

APPENDIX C

MONITOR WELL SAMPLING RECORD

MONITOR WELL SAMPLING RECORD

CLIENT: Chevron Environmental Management Co. PROJECT: Additional Site Investigation
SITE LOCATION: Chevron Service Station No. 60109060, 2929 College Drive, Baton Rouge, Louisiana
CRA FILE NO.: 27453-01 (3) SPECIALIST: FM/TD

WELL NUMBER	MW-1	MW-2	MW-3	MW-4	
SAMPLE NUMBER	MW-1	MW-2	MW-3	MW-4	
GENERAL WELL DATA					
Top of Casing (TOC) Elevation (ft.MSL)	100.28	99.48	99.30	100.08	
Original Total Depth (ft below TOC)	14.3	14.2	14.0	14.6	
TOC Height (ft above/below grade)	-0.44	-0.48	-0.40	-0.28	
Screened Interval (ft below grade)	4.1 - 14.1	4.0 - 14.0	3.8 - 13.8	4.4 - 14.4	
Well Diameter (in)/Material	2" PVC	2" PVC	2" PVC	2" PVC	
Current Well Condition	Good	Good	Good	Good	
WATER LEVEL DATA					
Date (mo/day/yr)	12/09/03	12/09/03	12/09/03	12/09/03	
Time (military)	0925	0910	0915	0920	
Measured Total Depth (ft below TOC)	14.30	14.20	14.00	14.60	
Static Water Level (ft below TOC)	3.74	3.70	2.11	3.34	
Static Water Elevation (ft.MSL)	96.54	95.78	97.19	96.74	
WELL PURGE DATA					
Purge Date (mo/day/yr)	12/09/03	12/09/03	12/09/03	12/09/03	
Purge Time (military)	0950	0920	0930	0940	
Minimum Purge Volume (Gal)	5.1	5.0	5.7	5.4	
Actual Purge Volume (Gal)	5.0*	5.0*	5.0*	5.0*	
Equipment Used	PVC Bailer	PVC Bailer	PVC Bailer	PVC Bailer	
WELL SAMPLING DATA					
Sampling Date (mo/day/yr)	12/09/03	12/09/03	12/09/03	12/09/03	
Sampling Time (military)	1020	1030	1000	1010	
Weather Condition	Cloudy/Warm	Cloudy/Warm	Cloudy/Warm	Cloudy/Warm	
Equipment Used	Polyethylene Bailer	Polyethylene Bailer	Polyethylene Bailer	Polyethylene Bailer	
Groundwater Temperature (°C)	24	23	23	23	
Specific Conductance (µS/cm)	687	324	493	584	
Groundwater pH (std units)	6.6	6.2	6.6	6.4	
Number of Containers Filled	3	3	3	3	
Parameters to be Analyzed (p) if preserved (f) if filtered	BTEX/MTBE (8260)p TPH-GRO (8015)p	BTEX/MTBE (8260)p TPH-GRO (8015)p	BTEX/MTBE (8260)p TPH-GRO (8015)p	BTEX/MTBE (8260)p TPH-GRO (8015)p	

I certify that all water level measurement devices, purging equipment, and sampling equipment were properly cleaned prior to use in each well. (Signature) Field Copy Signed

REMARKS:

* Well purged dry
Field blank (WF-3) collected
Replicate sample (WR-1), same data as MW-2
Trip Blank provided by laboratory

Conestoga-Rovers & Associates

State of Louisiana

Department of Environmental Quality

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

DEC 3 0 2004

David Gardner
Chevron Environmental Management Company
P.O. Box 4256
Houston, TX 77210-4256

RE: No Further Action Notification (NFA-ATT)
Chevron Facility No. 601109060; **Agency Interest (AI) No. 20619**
UST FID No. 17-001998; UST Incident No. 60402
2929 College Drive, Baton Rouge; East Baton Rouge Parish

Dear Mr. Gardner:

The Louisiana Department of Environmental Quality - Remediation Services Division (LDEQ-RSD) has completed its review of your Resubmittal of Conveyance Notification Activities/NFA-ATT Request, dated December 20, 2004 for the above area of investigation (AOI) located at 2929 College Drive in East Baton Rouge Parish. Based on our review of this document and all previously submitted information, we have determined that no further action is necessary at this time. The Basis of Decision (BOD) for this notification is attached.

Prior to the construction of enclosed structures over any portion of the impacted area, further evaluation and approval from LDEQ is warranted. In addition, no soils may be removed from this site without prior approval from LDEQ.

If you have any questions or need further information, please call Heather Biletnikoff at (225) 219-3227. Thank you for your cooperation in addressing this area.

Sincerely,

Keith L. Casanova

Keith L. Casanova, Administrator
Remediation Services Division

heb

Attachment: BOD – Chevron No. 60109060

c: LDEQ File Scanning Room 144-UST
Seth Domangue – Conestoga Rovers & Associates

BASIS OF DECISION FOR NO FURTHER ACTION

Chevron Service Station No. 60109060
AI #20619

The Louisiana Department of Environmental Quality – Remediation Services Division (LDEQ – RSD) has determined that Chevron Station No. 60109060 requires No Further Action At This Time.

The property is an active self-service motor fuel retail facility located on the southeast corner of the intersection of College Drive and Constitution Avenue. Four 12,000-gallon gasoline tanks were installed in 1984. Approximately 40-gallons of gasoline leaked at this facility on May 24 1989. In response to the gasoline leak, 4 monitoring wells were installed in the tank area. Monitoring wells were monitored monthly and sampled quarterly between May 1989 and 1993. Monitoring wells were plugged and abandoned in 1993 and the site was granted a termination of remediation in 1994.

On September 3, 1998, during well pointing activities to reduce the high water table in the tank area, one of the USTs was fractured. Product was removed to a level below the fracture and notification of a release was reported to the LDEQ. Fracture in tank was repaired and contaminated soil was removed. An NFA determination for this release was not on file with the LDEQ.

A baseline site assessment was conducted in March 2003 during a property divestment. Analytical results for soil and groundwater samples indicated that hydrocarbon impact was present at the site. On August 20, 2003 an additional site investigation and Risk Evaluation/Corrective Action Program (RECAP) evaluation was requested by LDEQ – RSD. Six soil borings were installed to a maximum depth of 14-feet below ground surface (bgs) using direct push technology/hollow-stem augers. Four of the borings were completed as 2-inch diameter monitoring wells. Monitoring wells were developed, purged and sampled for laboratory analysis of BTEX, MTBE, and TPH-GRO. Hydraulic conductivity tests were performed in two of the monitoring wells in order to calculate groundwater yield. Following the completion of site investigation activities, a RECAP evaluation was completed.

Tightness testing was performed on the tanks and lines on June 13, 2003. All tanks and product lines passed the tank tightness testing. Since no current release has been detected, constituents of concern (COCs) should continue to meet the limiting RECAP standards established for this site. The Area of Investigation (AOI) was closed in accordance with the October 2003 RECAP using Appendix I industrial standards. Appendix I is a Management Option 2-evaluation that is specific to the conditions at UST sites. The COCs present that now meet the approved remediation standards are noted in the following table. The media impacted by these constituents include surface soils between 0-15-feet bgs, and shallow groundwater. Analytical soil and groundwater data provide sufficient horizontal and vertical delineation of the hydrocarbon plume.

Slug tests were conducted on MW-1, MW-3, and MW-4 on December 9, 2003. Groundwater at this site is designated as classification 3A non-drinking water based on an approximate well yield of 36 gallons per day and a discharge to a body of water, Dawson Creek, which is not designated as a drinking water supply. Dawson Creek is located approximately 1,400-feet south of the site. City zoning of the site is C2, or heavy commercial. The current and future land use is industrial and is expected to remain industrial.

Constituents of Concern Soil	Maximum Remaining Concentration (mg/Kg)	Limiting RECAP Appendix I Standard (mg/Kg)
Benzene	0.331	5.8
MTBE	<0.261	18,000
TPH-GRO	207	10,000

Constituents of Concern Groundwater	Maximum Remaining Concentration (mg/L)	Limiting RECAP Appendix I Standard (mg/L)
Benzene	0.141	2.3
Ethylbenzene	0.858	170
MTBE	0.737	51,000
TPH-GRO	11.1	5,394

Soil and groundwater sampling has confirmed that COC concentrations do not exceed site-specific remediation standards, so no remedial action was required. No Further Action At This Time is granted when contamination is confirmed to exist at concentrations that do not exceed the established standards.

In accordance with LAC 33:I Chapter 13, if land use is going to be changed from industrial to non-industrial, the responsible party shall notify the LDEQ within thirty (30) days and the AOI shall be reevaluated to determine if conditions are appropriate for the proposed land use. Future use may dictate additional remedial activities. A conveyance notice has been filed with the East Baton Rouge Clerk of Court noting that the AOI was closed under industrial standards. No contaminated soils may be moved from this location without written authorization from the LDEQ.

All monitoring wells installed for the purposes of site investigation were plugged and abandoned on July 8, 2004 by Walker-Hill Environmental, Inc. of Columbia, MS. All well casing and screen were removed and the borehole grouted to the surface with a cement-bentonite mixture.

OFFICE OF ENVIRONMENTAL ASSESSMENT
REMEDIATION SERVICES DIVISION

SECTION: RSD-3 PROJECT: AI # 20619
ORIGINATOR: HZB DATE: 12-28-04 Other # _____

	Req'd.	Signature	Date	Comments
Immediate Supervisor				
Section Mgr./Supvr.	Y	[signature]	12/28/4	
Section Secretary	Y	[signature]	12/28/4	
Executive Secretary				
Administrator	X	Keith L. Casanova	DEC 3 0 2004	NFA
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				

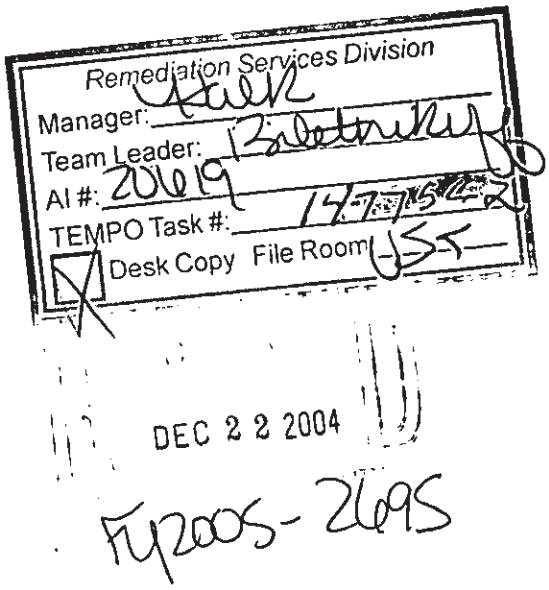
08/28/2001

CONESTOGA-ROVERS
& ASSOCIATES

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

December 20, 2004 Reference No. 27453-01

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



Dear Mr. Casanova:

Re: Resubmittal of Conveyance Notification
Activities/NFA-ATT Request
Chevron Service Station No. 60109060
2929 College Drive
Baton Rouge, Louisiana
East Baton Rouge Parish
Facility UST I.D. No.: 17-001998
Agency Interest No.: 20619

Conestoga-Rovers & Associates (CRA), on behalf of Chevron Environmental Management Company (Chevron), herein submits a conveyance notification filed with the East Baton Rouge Clerk of Court on November 24, 2003. The resubmittal was requested by the Louisiana Department of Environmental Quality (LDEQ) Remediation Services Division (RSD) in verbal correspondence dated September 20, 2004, providing requirements for issuance of No Further Action-At This Time, a conveyance notice was filed with the East Baton Rouge Parish Clerk of Court on August 26, 2004. However, due to recalculated Risk Evaluation/Corrective Action Program Screening Standards (RECAP SS), CRA is resubmitting the conveyance notification. A true copy of this notice is included as Exhibit 1.

Based on the information provided herein, CRA and Chevron respectfully request NFA-ATT status for this site. If you have any questions regarding this submittal, please contact CRA or Mr. David Gardner, Chevron Environmental Compliance Manager, at (713) 219-5223.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Seth Domangue

fn Thomas B. Powers, PG

JPF/jpw/006

Encl.

cc: Mr. David Gardner, Chevron Environmental Management Company
Nadia Elbar, College Gas, Inc.

C

CONVEYANCE NOTIFICATION

ORIG 93 MOL 11672

College Gas, Incorporated (owner) hereby notifies the public that the following described Areas of Concern (AOCs), Louisiana Department of Environmental Quality (LDEQ) Agency Interest Number (AI) 20619, was closed with contaminant levels present that are acceptable for industrial/commercial use of the property as described in LDEQ's Risk Evaluation/Corrective Action Program (RECAP), October 20, 2003, Section 2.9, and site-specific RECAP standards developed in the letter report Revised RECAP Evaluation Tables submitted to LDEQ on June 8, 2003. In accordance with LAC 33:I., Chapter 13, if land use changes from industrial to non-industrial, the responsible party shall notify the LDEQ within 30 days and the AOCs shall be reevaluated to determine if conditions are appropriate for the proposed land use.

This site was closed in accordance with the Louisiana Administrative Code, Title 33:I., Chapter 13. Information regarding this site is available in the LDEQ public record and may be obtained by contacting the LDEQ Records Manager at (225) 219-3168. Inquiries regarding the contents of this site may be directed to David Gardner, Chevron Project Manager, at P.O. Box 4256, Houston, Texas 77210-4256.

AOC Description:

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

A legal description of the property is as follows:

That portion of ground, together with all the buildings and improvements thereon, situated in the Parish of East Baton Rouge, State of Louisiana, containing 0.844 acres, and being designated as "Tract A" of a portion of Aldrich Acres, more particularly described in accordance with map by Toxie Craft, C.E., dated December 9, 1966, approved by the Baton Rouge Planning Commission on December 20, 1966, and recorded on December 22, 1966, in Original 20, Bundle 6330, as follows:

Commence at Louisiana Department of Highways monument on the right of way line of Interstate Highway I-10, and which point is also a corner of "Tract B" of said Aldrich Acres; Thence S 59°38' E 38.52 feet to an iron pipe; Thence S 30°22' W 267.71 feet to an iron pipe; Thence N 62°40'30" W 150.00 feet to the old northerly right of way line of College Drive; Thence N 27°19'30" E along said right of way line a distance of 60.00 feet to an iron pipe and LDH monument; Thence N 31°35'40" E along said right of way line 140.00 feet to an iron pipe and LDH monument; Thence N 75°39'02" E 46.37 feet to an iron pipe and LDH monument; Thence S 61°55'14" E 40.00 feet to an iron pipe and LDH monument; Thence N 73°11'31" E 56.67 feet to the point of beginning.

LESS AND EXCEPT that portion of ground sols by Chevron U.S.A., Inc. to the City of Baton Rouge, Parish of East Baton Rouge, by act recorded on March 11, 1999, in Original 695, Bundle 10987, more fully described as follows:

A certain parcel of tract of land taken from a larger tract being Parcel 1-1, a portion of the Chevron U.S.A., Inc., Tract A, City of Baton Rouge, State of Louisiana, situated in Section 94, T-7-S, R-1-E, Greensburg Land District, being more particularly described as follows, to wit:

Commence at a point on the south-easterly corner of the Chevron U.S.A., Inc., Tract A; thence proceed north 62°40'53" west, a distance of 127.39 feet to the point of beginning at the southeast corner of Parcel 1-1; thence proceed north 62°40'53" west, a distance of 9.80 feet to point and corner; thence proceed along a curve to the right having a radius of 2834.79 feet, an arc length of 148.37 feet, being subtended by a chord north 24°53'55" east, a distance of 148.35 feet to point and corner; thence proceed north 31°42'08" east, a distance of 51.56 feet to point and corner; thence proceed north 75°39'02" east, a distance of 7.65 feet to point and corner; thence proceed south 38°08'46" west, a distance of 21.31 feet to point and corner; thence along a curve to the left having a radius of 2864.79 feet, an arc legth of 184.11 feet, being subtended by a chord south 24°04'36" west, a distance of 184.08 feet to point of beginning containing 1469.9 square feet, being more clearly shown on a map prepared by Carl A. Jeansonne, Jr., Professional Land Surveyor, dated September 8, 1997.

As requested, soil and groundwater analytical laboratory results for constituents of concern are summarized on the attached tables and scaled figures. The tables and figures were provided by Conestoga-Rovers and Associates on behalf of Chevron Environmental Management Company (Chevron). Chevron is the responsible party for AI Number 20619.

College Gas, Incorporated, d.b.a. College Chevron, a Louisiana limited liability company

By: _____
Nadia Elbar

Title: PRESIDENT

Date: oct 22-04

(A true copy of the document certified by the parish clerk of court must be sent to the Remediation Services Division, Post Office Box 4314, Baton Rouge, Louisiana 70821-4314.)

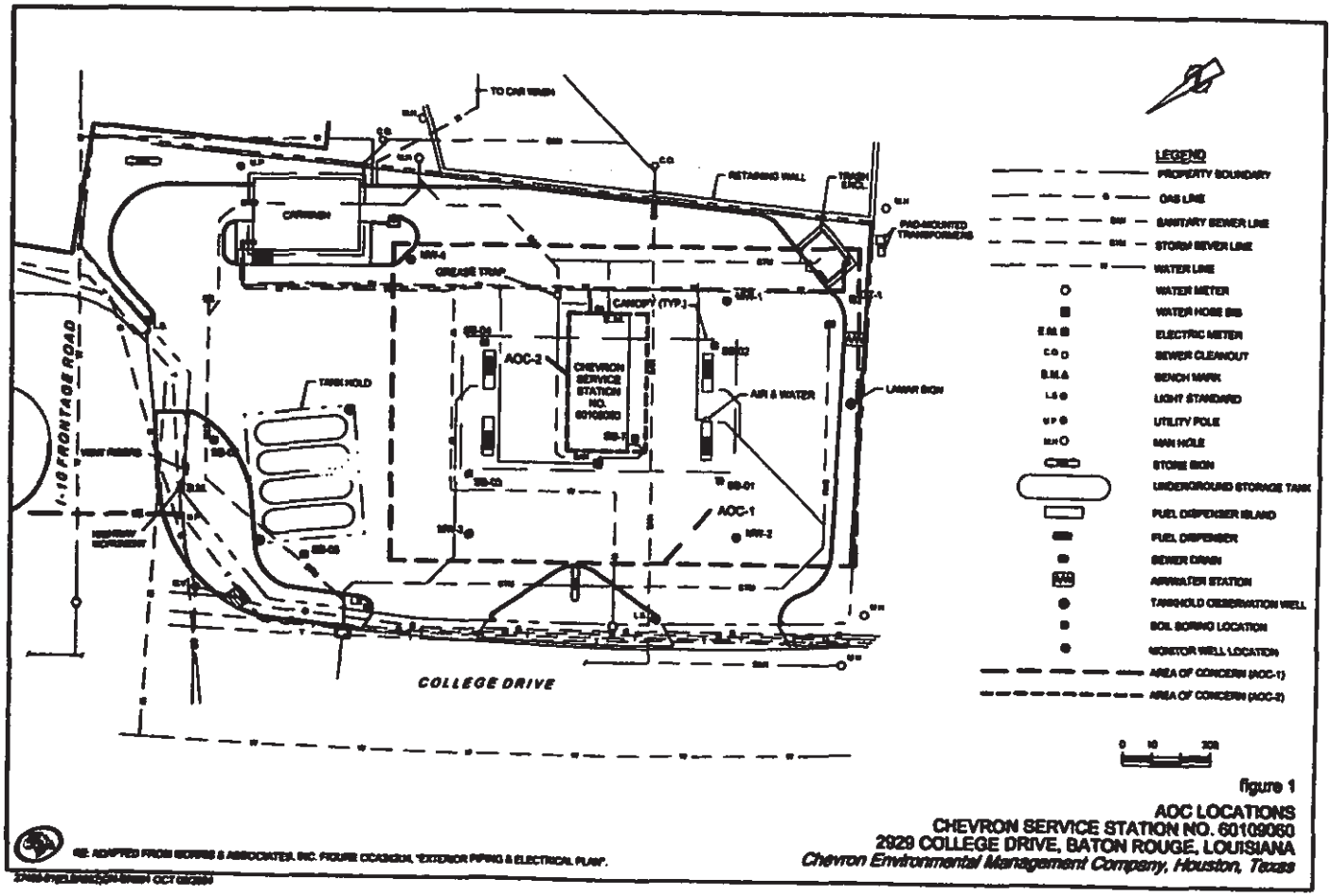


figure 1

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

NE: ADAPTED FROM BORRIS & ASSOCIATES, INC. FIGURE CC-0001A, "EXTERIOR PIPING & ELECTRICAL PLAN".

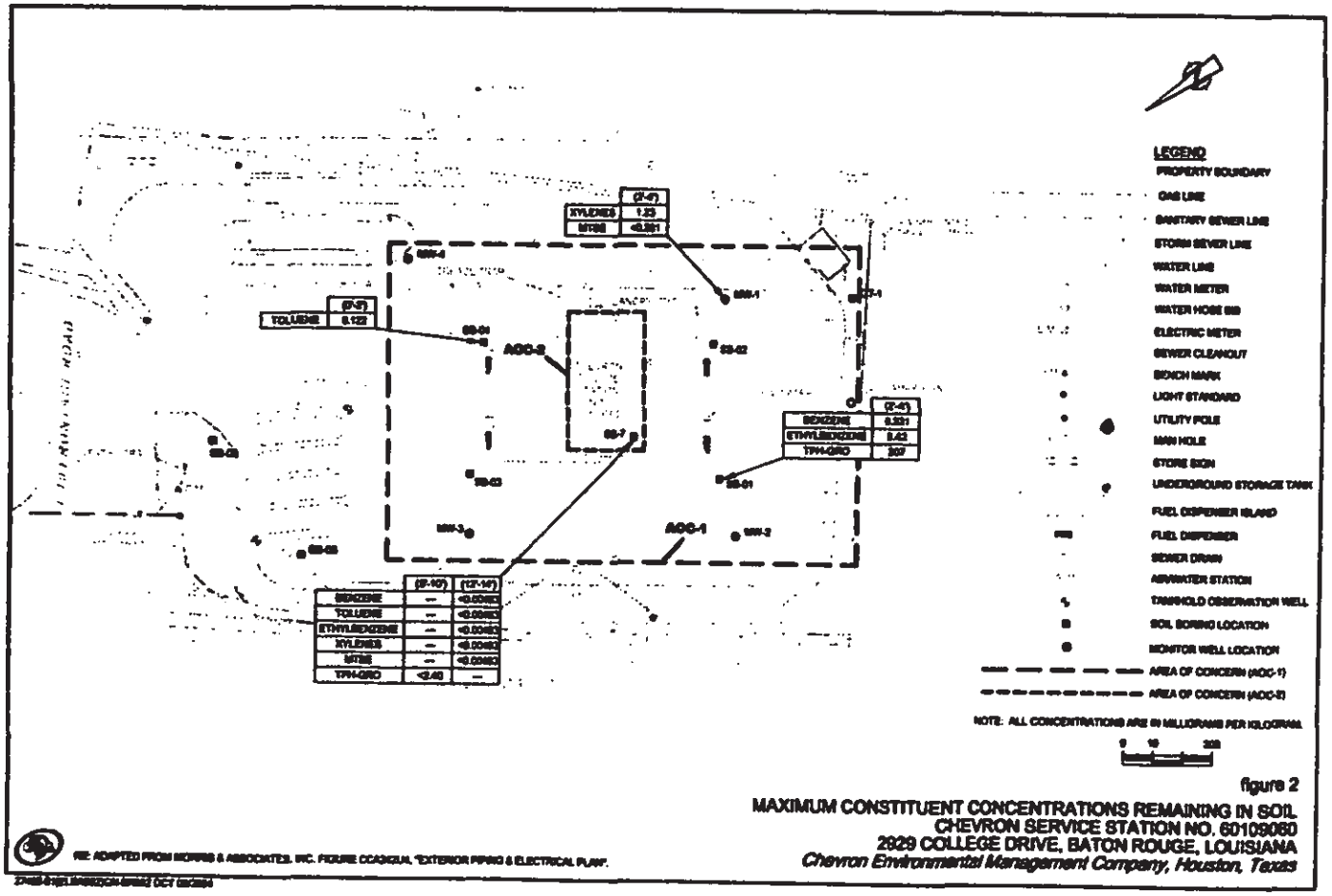


figure 2

MAXIMUM CONSTITUENT CONCENTRATIONS REMAINING IN SOIL
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

RE: ADAPTED FROM ROBBINS & ASSOCIATES, INC. FIGURE CCA3QUAL "EXTERIOR PIPING & ELECTRICAL PLAN".

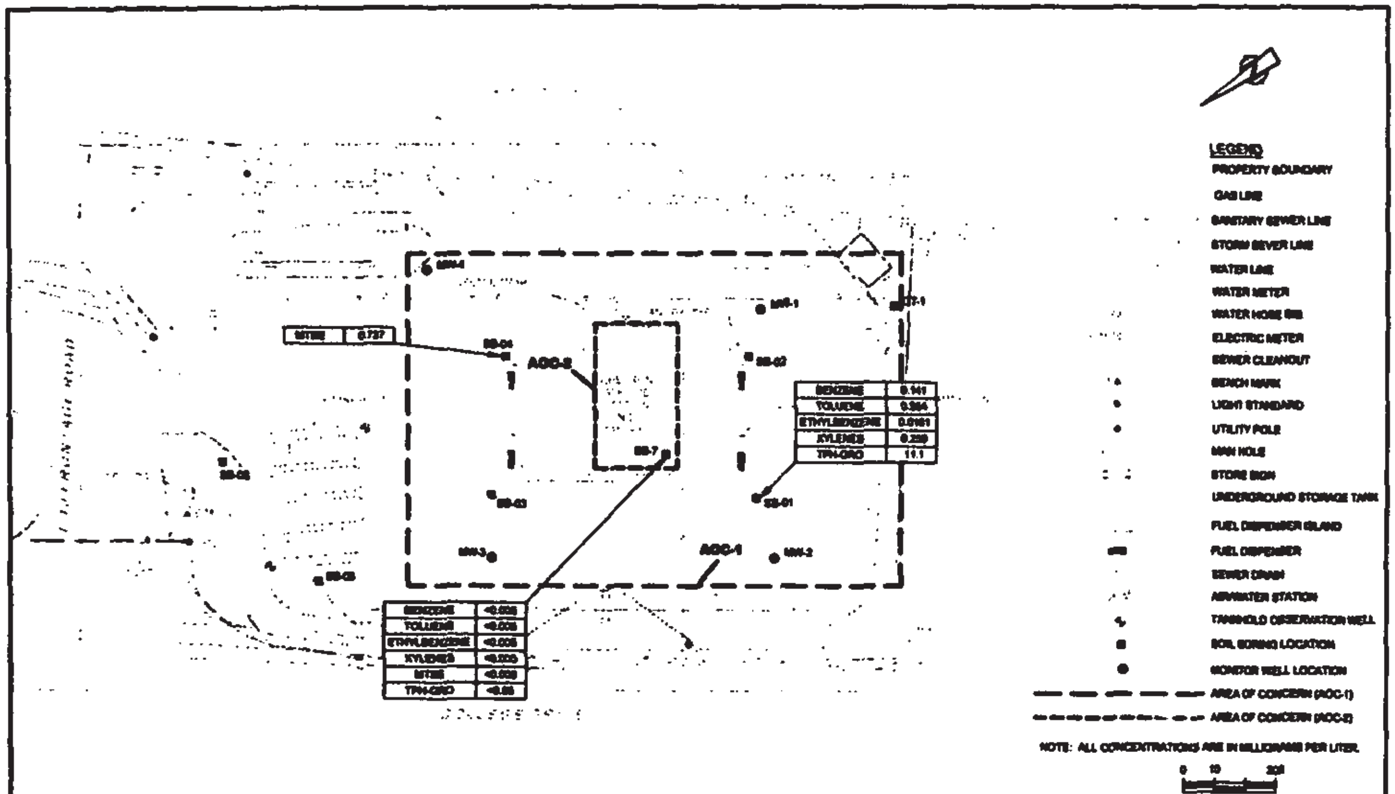


figure 3

MAXIMUM CONSTITUENT CONCENTRATIONS REMAINING IN GROUNDWATER
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

5

TABLE 1

MAXIMUM CONCENTRATIONS REMAINING IN SOIL
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Constituent of Concern (mg/kg)	*Limiting RECAP Standard*	*AOC - 1 Area of Investigation Concentrations* [3] *Depth Interval in Feet 0 - 15*	*AOC - 2 Area of Investigation Concentrations* [3] *Depth Interval in Feet 0 - 15*
Benzene	5.8[2]	0.331	<0.00493
Toluene	20[1]	0.122	<0.00493
Ethylbenzene	19[1]	9.42	<0.00493
Xylenes	150[1]	1.23	<0.00493
MTBE	18,000[2]	<0.261	<0.00493
TPH-GRO	10,000[2]	207	<2.4

MTBE = methyl tertiary butyl ether
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm).
Notes: [1] LDEQ Screening Standards are derived from the LDEQ's October 20, 2003, Risk Evaluation/Corrective Action Program (RECAP) Table 1 Screening Standards for Soil and Groundwater.
[2] Site-specific RECAP Screening Standards developed in letter report Revised RECAP Evaluation Tables submitted to LDEQ on June 8, 2003.
[3] The reported area of investigation concentrations are the maximum concentrations encountered for each constituent of concern from samples collected during the site investigations.

TABLE 2

MAXIMUM CONCENTRATIONS REMAINING IN GROUNDWATER
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Constituent of Concern (mg/L)	*Limiting RECAP Standard*	*AOC -1 Groundwater Compliance Concentrations* [3]	*AOC - 2 Groundwater Compliance Concentrations* [3]
Benzene	2.3[2]	0.141	<0.005
Toluene	0.7[1]	0.0161	<0.005
Ethylbenzene	170[1]	0.834	<0.005
Xylenes	10[1]	0.259	<0.005
MTBE	51,000[2]	0.737	<0.005
TPH-GRO	5,394[2]	11.1	<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).
Notes: [1] LDEQ Screening Standards are derived from the LDEQ's October 20, 2003, Risk Evaluation/Corrective Action Program (RECAP) Table 1 Screening Standards for soil and Groundwater.
[2] Site-specific RECAP Screening Standards developed in letter report Revised RECAP Evaluation Tables submitted to LDEQ on June 8, 2003.
[3] The reported groundwater compliance concentrations are the maximum concentrations encountered for each constituent of concern from samples collected during the site investigations.

CRA 27453-01 (Elba002)

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
FIELD INTERVIEW FORM

FACILITY ID#: FID# 17-00498 AI 20619 INSPECTION DATE: 7-8-04 TIME OF ARRIVAL: 9:00 AM
DEPARTURE DATE: 7-8-04 TIME OF DEPARTURE: 10:45 AM

FACILITY NAME: ~~Chev~~ Chevron No. 60109060 PH #:

LOCATION: 2929 College Dr. Baton Rouge

PARISH NAME: E.B.R. Parish

MAILING ADDRESS: PO Box 4250 (Street/P.O. Box) Houston (City) TX (State) 77210 (ZIP)

FACILITY REPRESENTATIVE: Gustavo Bouaihi TITLE: CLA-Geologist

INSPECTION TYPE: Remediation MEDIA INVOLVED: AIR WASTE WATER OTHER

INSPECTOR'S OBSERVATIONS: (e.g. AREAS AND EQUIPMENT INSPECTED, PROBLEMS, DEFICIENCIES, REMARKS, VERBAL COMMITMENTS FROM FACILITY REPRESENATIVES)

Oversight of plug and abandonment of MW-1,2,3,4 installed for purposes of site investigation. All removed and holes grouted to surface and completed with concrete. Walker-Hill Env. Inc. removed wells. Site is an active retail fuel facility

AREAS OF CONCERN	EXPLANATION	RESOLVED
		YES NO
		YES NO
		YES NO
		YES NO

PHOTOS TAKEN: ☐ YES ☒ NO SAMPLES TAKEN: ☐ YES ☒ NO (Attach Chain-of-custody)

RECEIVED BY: SIGNATURE: TITLE:

PRINT NAME:
(NOTE: SIGNATURE DOES NOT INDICATE AGREEMENT WITH INSPECTOR'S NOTES)

INSPECTOR(S): Heather Pruett, ES II ATTACHMENTS:
HEATHER E. PRUETT

NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but limited to, a determination of compliance or lack thereof by the facility operator with any requirements of statutes regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

CONESTOGA-ROVERS & ASSOCIATES

4915 S. Sherwood Forest Blvd.
Baton Rouge, Louisiana 70816
Telephone: (225) 292-9007 Fax: (225) 292-3614
www.CRAworld.com

TRANSMITTAL

DATE: 05/07/04 **REFERENCE NO.:** 27453-01

PROJECT NAME: Chevron Service Station No. 60109060

TO: Mr. Keith Casanova, Administrator
Louisiana Department of Envrionmental Quality
Post Office Box 4314
Baton Rouge, LA 70821-4314

Remediation Services Division
Manager:
Team Leader:
AI #:
TEMPO Task #:
☐ Desk Copy File Room:

Please find enclosed:
☐ Draft ☒ Final
☐ Originals ☐ Other
☐ Prints

Sent via:
☒ Mail ☐ Same Day Courier
☐ Overnight Courier ☐ Other

QUANTITY	DESCRIPTION
3	Risk Evaluation/Corrective Action Program Report
	Chevron Service Station No. 60109060
	2929 College Drive
	Baton Rouge, Louisiana

RECEIVED
MAY 10 2004
LA. DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION

☐ As Requested ☐ For Review and Comment
☒ For Your Use ☐
☐

COMMENTS:

Copy to: David Gardner, Chevron EMC

Completed by: Seth P. Domangue [Please Print] Signed: Seth P. Domangue

Filing: **Correspondence File**

RISK EVALUATION/
CORRECTIVE ACTION PROGRAM REPORT

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

David Gardner
Chevron Environmental Management Company
P.O. Box 4256
Houston, Texas 77210-4256
(713) 219-5223

MAY 2004
Ref. 27453-01 (4)

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

FY2004-4942

RECEIVED
MAY 10 2004
LA DEPT. OF ENV. QUALITY
REMEDIATION SERVICES DIVISION
LOG #

RECAP FORM 1
RECAP SUBMITTAL SUMMARY

1. Agency Interest Name: Chevron Service Station No. 60109060

2. AI#: 20619

3. Name of Area of Investigation: AOC-1 and AOC-2

4. Facility Owner Name: College Gas, Inc.

5. Facility Owner Mailing Address: 2929 College Drive, Baton Rouge, LA

6. Facility Operator Name: College Gas, Inc.

7. Facility Operator Mailing Address: 2929 College Drive, Baton Rouge, LA

8. Facility Physical Address: 2929 College Drive
Baton Rouge, LA

Remediation Services Division
Manager: Dauk
Team Leader: Pruett
AI #: 20619
TEMPO Task #:
☐ Desk Copy File Room: USR

9. Parish: East Baton Rouge

10. Latitude/Longitude of Primary Facility Entrance: 30°25'18"/91°08'24"

11. Latitude/Longitude Method: Digital Atlas

12. Facility Contact Person: David Gardner

13. Facility Contact Person's Phone Number: (713) 219-5223

14. Facility Contact Person's Mailing Address: P.O. Box 4256
Houston, TX 77210-4256

15. Facility Contact Person's E-mail Address: N/A

16. Area of Investigation Location: Adjacent to dispenser islands

17. Area of Investigation Size: Approximately 13,000 square feet based on soil impact that exceeds the SS.

18. Horizontal and Vertical Extent of the Area of Investigation has been identified? [√] Yes [ ] No

19. Describe the Current and Historical Uses of the Property on which the AOI is located and the Time Periods for Each Use/Activity: See text in Section 1.0 of this report.

20. Indicate How Release Occurred (if known): Suspected minor leaks/spills during operating history.

21. List Constituents Released (if known): Gasoline petroleum hydrocarbon constituents.

22. RECAP Submittal Date: May 2004

23. RECAP Submittal Prepared by: Seth P. Domangue, Thomas B. Powers, PG, Calvin R. Wiggs, PG

24. RECAP Submittal Preparer's Employer: Conestoga-Rovers & Associates

25. RECAP Submittal Preparer's Phone Number: (225) 292-9007

26. Site Ranking: [ ] Class 1 [ ] Class 2 [ ] Class 3 [√] Class 4

27. Media Impacted:

[√] Surface Soil	[ ] Groundwater 1A	[ ] Surface water
[√] Potential Surface Soil	[ ] Groundwater 1B	[ ] Sediment
[ ] Subsurface Soil	[ ] Groundwater 2A	[ ] Biota
	[ ] Groundwater 2B	
	[ ] Groundwater 2C	
	[√] Groundwater 3A	
	[ ] Groundwater 3B	
	[ ] Groundwater Classification Unknown	

28. Is soil present at 0-3 ft bgs impacted? [√] Yes [ ] No

29. Release volume: _____

30. Is NAPL Present? [ ] Yes [√] No

31. Aquifer: "400-foot" Aquifer

(a) Distance from AOC/AOI to the nearest downgradient property boundary: Approximately 30 feet

(b) Distance from AOC/AOI to the nearest downgradient surface water body: 1,400 feet

(b) Depth from known contamination to the nearest Groundwater Classification 1 aquifer: 500 feet

(c) If a GW 1 or 2 aquifer, distance from POC to nearest downgradient drinking water wells: NA

32. Distance from known contamination to nearest enclosed occupied structure: NA

33. Depth Groundwater First Encountered: Approximately 8 to 10 feet below ground surface

34. Distance from POC to POE: 1,400 feet

35. Dilution Factor Applied: 1,902

36. Fractional Organic Carbon Content: 0.02

37. Current Land Use: [ ] Non- Industrial [√] Industrial NAICS: 44711

38. Potential Land Use: [ ] Non- Industrial [√] Industrial NAICS: 44711

39. Is There Offsite Contamination? [ ] Yes [√] No

(a) If Yes, Land Use Offsite: [ ] Non- Industrial [ ] Industrial NAICS: _____

(b) If Yes, Identify the Landowner(s), Lessee(s), and/or Servitude Holder(s): _____

40. Management Option(s)Applied at the AOI: [ ] SO [ ] MO- 1 [√] MO [ ] MO-3

41. Provide documentation that the AOI meets the criteria for the Option implemented See Section 1.3 of this RECAP Report.

42. Current Status of the AOI: Not applicable

43. The AOI will be remediated under: [√] Not applicable [ ] SO [ ] MO-1 [ ] MO-2 [ ] MO-3.

44. Exceedances and Corrective Action Standards to be applied: Not applicable

45. All constituent concentrations in all impacted media:

[√] comply with the applicable RECAP standards; **or**

[ ] have been remediated to the applicable RECAP; **or**

[ ] alternate remediation standards and a NFA-ATT determination is being requested **and**:

(a) RECAP Standards Applied: [ ] Non-industrial [√] Industrial
(b) There are institutional controls on this property: [ ] Yes [√] No
(c) If yes, type of institutional control employed:
(d) If applicable, the conveyance notice has been filed with the _____ (Parish) Clerk of Court, noting that the AOI was closed under industrial standards

46. RECAP Standards Applied at the AOI:

Medium: Soil and groundwater

COC	[√] AOIC [√] CC	[ ] LSS	[ ] MO-1 LRS	[√] MO-2 LRS	[ ] MO-3 LRS	[ ] Alternate Standards
Soil						
Benzene	0.331 mg/kg			9.2 mg/kg		
MTBE	<0.261 mg/kg			18,000 mg/kg		
TPH-GRO	207 mg/kg			10,000 mg/kg		
Groundwater						
Benzene	0.141 mg/L			25 mg/L		
Ethylbenzene	0.854 mg/L			1,700 mg/L		
MTBE	0.737 mg/L			51,000 mg/L		
TPH-GRO	11.1 mg/L			10,000 mg/L		

47. Provide documentation that the AOIC and/or CC will continue to comply with the applicable standard:
The AOICs and CCs do not exceed the Appendix I limiting RS. The facility will be operated in accordance with applicable requirements to identify potential future releases.

48. If groundwater was impacted, provide a description of aquifer use and list the locations and depths of the nearest drinking water supply wells There is no designated use for the shallow water-bearing zone. One domestic water supply well completed at a depth of 504 feet is located approximately 4,600 feet northwest of the Site.

49. Provide: (a) a description of the remedial actions implemented; (b) verification that the source has been removed/mitigated and that residual constituent concentrations comply with the LSS or LRS; and (c) a discussion on the offsite disposal of investigation and remediation wastes including types, quantities, disposal location, etc.

a) No remedial actions are required.

b) Sources have been mitigated and none of the constituents exceed the LRS. Tightness testing was conducted on 6/13/03 and all tanks and lines passed.

c) All wastes generated during the investigation was containerized and is still onsite pending characterization and proper disposal.

50. If applicable, discuss monitoring well plugging and abandonment: Not applicable.

51. Is There a Current or Potential Ecological Impact? [ ] Yes [√] No

RISK EVALUATION/
CORRECTIVE ACTION PROGRAM REPORT

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

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MAY 2004
Ref. 27453-01 (4)

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EXECUTIVE SUMMARY

At the request of Chevron Environmental Management Company (Chevron), a Risk Evaluation/Corrective Action Program (RECAP) evaluation was completed by Conestoga-Rovers & Associates (CRA) for Chevron Service Station No. 60109060 located at 2929 College Drive in Baton Rouge, East Baton Rouge Parish, Louisiana. The evaluation was conducted in accordance with the Louisiana Department of Environmental Quality's (LDEQ) RECAP dated October 20, 2003. Data collected during two prior site investigations (May 2003 Baseline Site Assessment and January 2004 Additional Site Investigation) was used in the RECAP evaluation. The work was approved for implementation by the LDEQ in correspondence dated February 26, 2004. A summary of CRA's work and findings follows:

Reason for Evaluation—The RECAP evaluation was conducted to evaluate the Area of Concern (AOC) for compliance with RECAP Standards (RS) and to determine the potential need for remedial activities.

Site Characteristics - The site is 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.

Site Status - The site is an active self-service motor fuel retail facility.

Release Source – The source of the release was not clearly identified, but is considered to be from the UST system.

Soil Type – The soils encountered at the site are described predominately as silty clay.

Analytical results from the Baseline Site Assessment and Additional Site Investigation indicated hydrocarbon constituent concentrations in soil and groundwater above the RECAP Screening Standards (SS). Three constituents in soil and four in groundwater had concentrations exceeding the limiting soil and groundwater SS. In the soil and groundwater, the maximum benzene concentrations were 0.331 milligrams per kilogram (mg/kg) and 0.141 milligrams per liter (mg/L), respectively; the maximum methyl tertiary butyl ether (MTBE) concentrations were 0.23 mg/kg and 0.737 mg/L, respectively; the maximum total petroleum hydrocarbon-gasoline range organics (TPH-GRO) concentrations were 207 mg/kg and 11.1 mg/L, respectively; and the maximum ethylbenzene concentration in groundwater was 0.854 mg/L. The soil and groundwater

constituents that were detected at concentrations above the SS were then evaluated under the RECAP Appendix I Option. There were no constituents detected in the soil and groundwater near the station building so there was no need to conduct an evaluation under the MO-2 management option for indoor air concerns.

Free Product Conditions –Phase-separated hydrocarbons (PSH) were not encountered in any of the monitor wells (MW-1 through MW-4).

Potential and/or Affected Receptors – Potential receptors identified in the immediate vicinity of the site include underground utilities adjacent to the site, potential commercial workers at the site, and potential construction workers.

Problem Evaluation – Based on the findings of the site investigations and RECAP evaluation, CRA requests "No Further Action – At This Time" (NFA-ATT) status for this facility.

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1.0 RECAP EVALUATION RESULTS

1.1 GENERAL

1.1.1 SITE HISTORY

At the request of Chevron Environmental Management Company (Chevron), Chevron Service Station No. 60109060 located at 2929 College Drive in Baton Rouge, East Baton Rouge Parish, Louisiana, was evaluated in accordance with the Louisiana Department of Environmental Quality (LDEQ) October 20, 2003, Risk Evaluation/Corrective Action Program (RECAP). The work was approved by the LDEQ in correspondence dated February 26, 2004. The RECAP evaluation was used to evaluate the Areas of Concern (AOCs) for compliance with RECAP Standards (RS) and to determine the potential need for remedial activities at the site. A summary of the pertinent site RECAP information is presented in the RECAP submittal summary (RECAP Form 1), which is included at the beginning of this report.

The RECAP evaluation was completed by Conestoga-Rovers & Associates (CRA) using data gathered during a previous Baseline Site Assessment and an Additional Site Investigation. The results of these two prior investigations were previously submitted to the LDEQ in May 2003 and the January 2004, respectively. A brief summary of these investigations follows.

In March 2003, CRA conducted a Baseline Site Assessment in order to determine if service station operations had adversely impacted the subsurface media. Analytical results indicated soil benzene and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) concentrations above the LDEQ/RECAP Screening Option (SO) Screening Standards (SS) in several exploratory soil borings installed at the site. Analytical results also indicated groundwater benzene, ethylbenzene, methyl tertiary butyl ether (MTBE), and TPH-GRO concentrations above the LDEQ/RECAP SS. Upon receiving signed analytical laboratory reports, a verbal and written notification of a suspected hydrocarbon release was made by CRA to the LDEQ as required by the LDEQ Notification Requirements for Unauthorized Discharge (LAC 33, Part I, Chapter 39). Additionally, Southern Tank Testers, Inc., was contracted on June 13, 2003, to test the tanks and product lines to confirm there was no ongoing hydrocarbon release. All the tanks and lines passed the tightness tests.

In response to Chevron's notification of a suspected hydrocarbon release, additional investigation activities were requested by the LDEQ in correspondence dated August 14, 2003. The purpose of the additional investigation was to further assess the extent of

hydrocarbon impact in the soil and groundwater that was identified during the previously conducted Baseline Site Assessment. In November/December 2003, CRA completed the Additional Site Investigation for Chevron. Results from the investigation indicated soil samples exceeded the SS for benzene, MTBE, and TPH-GRO, and groundwater samples exceeded the SS for benzene, ethylbenzene, MTBE, and TPH-GRO. The data collected from the additional investigation, along with the Baseline Site Assessment data, was used to conduct a risk evaluation using the LDEQ's RECAP, October 2003.

1.1.2 SITE DESCRIPTION AND ADDITIONAL INFORMATION

Site Description. 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). A vicinity map showing the location of the site is presented as figure 1, Appendix A. The city zoning of the site is C2 (heavy commercial). A surrounding land use map is presented as figure 2, Appendix A. The site is bordered on the south by a Shell Service Station and a U.S. Post Office, on the east by a parking lot for nearby office buildings and a Chili's Restaurant, on the north by the I-10 Frontage Road, and on the west by College Drive. Surrounding land use is primarily heavy commercial properties. 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. A site plan showing the site layout is included as figure 3, Appendix A.

Site Setting. The site is located on the Prairie Terrace, which is a Pleistocene alluvial and deltaic landform on the Gulf Coastal Plain. The site is slightly elevated above the nearby flood plain of the Mississippi River, approximately 3 miles to the northeast and is approximately 35 feet above mean sea level (NGVD). Natural drainage appears to be toward Dawson Creek, which flows to Bayou Duplanier and eventually into Ward Creek and Bayou Manchac.

Regional Geology. Surface soils at the site consist of up to 500 feet of Pleistocene alluvial and deltaic deposits predominantly composed of clays and silty clays with lenses of silts and sands. Sand units from the shallow Pleistocene thicken to the west toward the Mississippi River. Underlying, older Pleistocene deposits consist of thick, widespread fine to coarse sand and gravel layers, separated by laterally continuous clay horizons. Beneath the Pleistocene deposits are similar deltaic deposits of Pliocene and Miocene age.

Hydrogeology and Water Use. The shallow Pleistocene deposits contain only minor water-bearing deposits of discontinuous lenses of silt and sand, although the strata thicken to the west where they form the "University Aquifer". The units in the site vicinity are not typically used for water supply because of limited availability and variable quality. The uppermost aquifer of concern is the "400-foot" aquifer which occurs in the uppermost, widespread Pleistocene deltaic sand, and is a main source of groundwater for drinking and industrial use in the area. The "400-foot" aquifer sands typically occur within 500 feet of the ground surface and range from 100 to 200 feet in thickness. The "400-foot" aquifer is underlain by equivalents of the "600-foot" and deeper sands from the north Baton Rouge area. These aquifers contain brackish water in the site vicinity. The deeper Pliocene and Miocene deposits also contain aquifer sands but are saline in the site vicinity.

The information presented in this section is derived from inspection of USGS topographic maps of the area, the Geologic Map of Louisiana by J. Snead and R. McCulloh (1984), the Louisiana Hydrologic Atlas Map No. 2, U.S. Geological Survey Water-Resources Investigations Report 86-4150, (1986), by C.W. Smoot, "Ground-Water conditions in the Baton Rouge Area, 1954-59", Water Resources Bulletin No. 2, by C.O. Morgan, (1961), and "Maps of the "400-foot," "600-foot," and Adjacent Aquifers and Confining Beds, Baton Rouge Area, Louisiana", Water Resources Technical Report No. 48, by E.K. Kuniansky, D.C. Dial, and D.A. Trudeau (1989).

A survey of registered water wells within a one-mile radius of the site was conducted. The survey indicated 35 water wells within the area. Of those, 25 are registered as monitor wells, eight are registered as observation wells, one is registered as a domestic well, and one is listed as inactive. A 7.5 minute quadrangle map showing the locations of the registered water wells within a one-mile radius of the site is included as figure 4, Appendix A.

1.2 SITE RANKING AND JUSTIFICATION

In accordance with the RECAP, the site ranking was selected based on the ranking system in *Standard Guide for Risk-Based Corrective Action at Petroleum Release Sites* (ASTM E 1739-95). On the scale of one to four, with four being the lowest in urgency of response action required to protect human health and the environment, the site receives a ranking of four since it does not present a long-term threat to human health, safety or sensitive environmental receptors.

The ranking is justified on the basis of:

1) Shallow impacted soils are not present in significant quantities;

2) The shallow impacted groundwater is not used for potable water anywhere in the city; and

3) Potential for human contact with surface soils is minimal because most of the ground surface is covered by concrete pavement.

1.3 RECAP OPTION(S) IDENTIFICATION

This RECAP evaluation was conducted to evaluate the areas at the site that may require additional investigation and/or remedial activities for each impacted medium. Factors used by the LDEQ for site screening under the SO SS and RECAP Appendix I, were considered in evaluating the site. The site was initially subdivided into two AOCs. One of the AOCs (AOC-2) was established for the evaluation of indoor air concerns associated with the station building and the other AOC (AOC-1) included the remainder of the site. Boring SB-07 was installed adjacent to the station building for evaluation of indoor air concerns. The results of the Additional Site Investigation for AOC-2 indicated none of the COCs were detected at or above the analytical method reporting limits and none of the reporting limits exceeded the RECAP SS. Accordingly, evaluation of the potential pathway for vapor from soil and groundwater to an enclosed structure was not required for AOC-2.

The following information is furnished to demonstrate appropriate applicability for site evaluation utilizing the SO SS and RECAP Appendix I options:

AOC-1 and AOC-2:

Screening Option Criteria

- An industrial exposure scenario is under consideration. The AOCs are within a heavy commercial property zone and no sensitive sub-populations exist on or near the site.
- The potential for human exposure within the AOC is limited to exposure pathways via ingestion, inhalation from volatilization from emissions emanating from the soil and groundwater, and dermal contact with impacted soil. Based on the depth and limited extent of the impact at the site, the potential for impact to any surface water runoff is virtually non-existent. Furthermore, the distance to the nearest drainage feature would preclude any impact to sediments associated with any surface water runoff from the AOC. Similarly, the potential to impact biota is virtually non-existent.

- The area of impacted soil in the AOC is less than 0.5 acre.
- The COCs mass within the shallow soil and groundwater of the AOC cannot increase because the source of the release has been mitigated. The tank and line tightness tests conducted on June 13, 2003, indicated all the tanks and lines passed the tests.
- Nonaqueous-phase liquids (NAPL) have not been observed at the site.
- The COCs are not discharging via groundwater to a surface water body. The potential for discharge of COCs to surface water via a groundwater discharge from the AOC is virtually non-existent due to the limited size of the area of impact and the distance of the nearest surface water body to the site.
- There are no known current or future site conditions that may affect exposure potential at the site.

The above criteria also qualifies the AOCs for evaluation using the RECAP Appendix I Option.

1.4 PREVIOUS ASSESSMENT RESULTS

There have been no previous RECAP assessments of the AOCs; however, data collected from the previous site investigations was considered in this evaluation. The previous investigation activities have defined the horizontal and vertical extent of the impacted soil and groundwater at the site. Reports documenting boring installations, soil and groundwater sampling, analytical data, and the results of the previous Baseline Site Assessment and the Additional Site Investigation activities were submitted to the LDEQ in May 2003 and January 2004, respectively. For reference, a summary of the previous investigation results follows. Also included is information that was not presented in the previous reports.

1.4.1 SUMMARY OF PREVIOUS INVESTIGATION RESULTS

Site Geology and Hydrogeology. The soils encountered at the site during the previous investigation activities were described as predominantly silty clay to the maximum depth of the exploration (16 feet below ground surface [ft-bgs]). Soil profiles showing the site lithology are presented on figure 5, Appendix A. Based on conditions encountered during the soil boring installations, the depth that groundwater was first encountered typically ranged from approximately 8 to10 feet bgs. Based on groundwater level data from December 9, 2003, the direction of groundwater flow is generally from

north-northeast to the south-southwest. The groundwater elevations and potentiometric conditions are presented on figure 6, Appendix A.

Analytical Results. Results from the Baseline Site Assessment and the Additional Site Investigation indicated hydrocarbon concentrations above the RECAP SS in the soil and groundwater in the vicinity of the dispenser islands. No PSH was observed during the installation and sampling of the soil borings/monitor wells. Analytical laboratory results for soil and groundwater samples collected during the previous investigation activities are provided in Tables 1 and 2, Appendix B. Concentrations of the COC that exceed the RECAP SS for soil and groundwater are presented on figures 7 and 8, Appendix A, respectively. Monitor well construction data for the four wells installed during the Additional Site Investigation are presented in Table 3 and monitor well sampling data for the December 9, 2003 sampling event are presented in Table 4.

Slug Test Results. Hydraulic conductivity (slug) tests were performed on December 9, 2003, at the site in three monitor wells (MW-1, MW-3, and MW-4). The tests were conducted to provide information about the hydraulic conductivity conditions of the soil for a potential well yield calculation.

The tests were conducted as slug-out tests by quickly removing a full bailer from the well. Groundwater levels were then measured with a downhole pressure transducer and electronic data recorder (In-Situ Hermit Model SE-1000C) over the duration of the water level recovery period.

The hydraulic conductivity (K) values were calculated by the Bouwer and Rice method (1976) as determined from the recovery versus time graphs with the commercially available software AQTESOLV. The data and interpretations are shown on the attached figures in Appendix C. The K values are listed below:

Observation Well	Hydraulic Conductivity	
	(K) ft/min	(K) cm/sec
MW-1	4.0×10^{-5}	2.0×10^{-5}
MW-3	5.9×10^{-5}	3.0×10^{-5}
MW-4	4.8×10^{-5}	2.5×10^{-5}
Geometric mean	4.8×10^{-5} (0.070 feet/day)	

1.5 DATA EVALUATION/USABILITY

The laboratory analytical data generated during the previous investigations were evaluated to determine if this data could be used for risk assessment purposes. Data collected from the site during the May 2003 Baseline Site Assessment and the January 2004 Additional Site Assessment were compiled as a comprehensive subsurface investigation of the AOCs. In accordance with RECAP investigation requirements, the data were evaluated with respect to the criteria in RECAP Form 3, which is provided in Appendix D (refer to RECAP Form 3 in for details concerning the data usability evaluation). Laboratory data were generated using EPA approved analytical methods, sample quantitation limits were within acceptable limits, and blank Quality Assurance/Quality Control (QA/QC) samples were provided periodically to assess field and/or laboratory contamination. The sampling techniques for the data were documented in the previously -referenced site investigation reports, as were the analytical methods, QA/QC procedures, and quantitation limits. Based on this evaluation, the referenced data are considered acceptable for use in this RECAP evaluation.

1.6 IDENTIFICATION OF THE AOC AND COCS

1.6.1 AOC IDENTIFICATION

RECAP SS were compared with analytical results obtained during the previous investigations. Based on the findings from the site work, two preliminary AOCs for soil and groundwater were identified. As indicated previously, one AOC (AOC-2) was established for the evaluation of a possible pathway to an enclosed structure associated with the station building and the other (AOC-1) included the remainder of the site. The results of the Additional Site Investigation for AOC-2 indicated none of the COCs were detected at or above the analytical method reporting limits. Accordingly, evaluation of the potential pathway for vapor from soil and groundwater to an enclosed structure was not required for AOC-2. AOC-1 exhibits constituent concentrations above SS values.

AOC-1 encompasses all the soil borings and monitor wells at the site except for soil borings SB-05 and SB-06, which are located near the tank hold. None of the COCs exceeded the SS at these two locations. The area of soil impact exhibiting constituent concentrations above the SS is less than 0.5 acre in area. RECAP Standards (RS) were developed and compared for all COCs within AOC-1 that exceed their respective SS. The comparison of COC concentrations to the RECAP SO SS is discussed in Section 1.8.1.

1.6.2 IDENTIFICATION OF THE COCs FOR EACH IMPACTED MEDIUM

Petroleum hydrocarbon impact to the site is considered to be from the UST system. The potential COCs have been identified as those petroleum hydrocarbon (gasoline) constituents listed in Table D-1 of the RECAP document. The same constituents serve as COCs for both soil and groundwater. The concentrations of COCs for soil are presented in Table 1, Appendix B. The concentrations of COCs for groundwater are presented in Table 2, Appendix B. The comparisons of COC concentrations to RECAP SO SS are discussed in Section 1.8.1.

1.7 EXPOSURE ASSESSMENT

1.7.1 CURRENT AND FUTURE LAND USE

The current and future land use is industrial. The facility is expected to continue operating as an industrial/commercial property.

1.7.2 GROUNDWATER CLASSIFICATION, POE, AND POC

In accordance with the RECAP document, groundwater at the site is designated as classification 3A non-drinking water based on the following: there is no current or potential use of the water based on water use in the area from the Louisiana Department of Transportation and Development (LDOTD) water well survey; the maximum attainable yield from the stratum is less than 800 gallons per day based on the slug test data (see Appendix C); and groundwater would potentially discharge to a water body that is not used as a drinking water supply.

The potential well yield from the zone of the investigation was estimated with the Cooper and Jacob modification of the Theis equation. The calculation, using the mean K value of 0.070 ft/day, is presented in Appendix C. The results show that a well yield of approximately 36 gallons per day can be expected from the site.

The point of exposure (POE) is defined as the point of discharge from the aquifer to the nearest surface water body. The nearest surface water body to the site is interpreted to be the nearest perennial stream, which is Dawson Creek. This creek is located approximately 1,400 feet south of the site. Dawson Creek is not designated as a drinking water source.

The point of compliance (POC) is a sampling location where the groundwater protection standard is enforced and at which reproducible and representative samples can be obtained. The POC should be located as near to the source as feasible without causing impact to the groundwater. Monitor well MW-2 is the POC for benzene, ethylbenzene, and TPH-GRO, and MW-4 is the POC for MTBE.

1.7.3 DEVELOPMENT OF A CONCEPTUAL MODEL

The conceptual model developed for the site is presented as figure 9, Appendix A. The model includes identification of all sources, source media, migration pathways, exposure media, exposure points/pathways, and receptors. Current and future land use at the site was considered in developing the conceptual model. During the previous investigation activities, a sensitive receptor survey was conducted to identify any biological receptors, natural receptors, and/or subsurface structures (natural or man-made) which might be threatened or affected from the release in the AOC. Additionally, a survey of water wells within an approximate one-mile radius of the site was conducted by reviewing the water well inventory records of the LDOTD. The pertinent migration pathways and receptors are as follows:

Contamination Migration Pathways. The release at the site was to soil and groundwater. Possible man-made pathways for exposure to COCs exist at the site including underground utility corridors and storm drains. Possible migration pathways include several underground utilities along College Drive. Potential natural pathways for exposure include potential surface soil and groundwater.

Exposure routes from soils and groundwater include dermal contact, ingestion and inhalation of outdoor vapors.

Biological Receptors. Plant and animal life in the area consist of domestic species common to the area. Human receptors at the site are expected to be commercial workers and potential short-term construction workers.

Natural Receptors. Natural receptors include groundwater, soil, surface water bodies near the site, and air. It is not likely that surface water would be impacted by groundwater migrating from the site due to the limited extent of the soil and groundwater impact and the distance to the nearest surface water body.

Man-made Receptors. Based on water well survey information obtained from the LDOTD/Water Resources Section, there are 35 water wells registered within a 1-mile

radius of the site. Of those, 25 are registered as monitor wells, eight are registered as observation wells, one is registered as a domestic well, and one is listed as inactive. A 7.5 minute quadrangle map showing the locations of the registered water wells within a one-mile radius of the site is included as Figure 4. The records indicated that although there is one domestic water within one mile of the site, the well is screened at a much greater depth than the impacted interval at the site so it is not likely this well would be impacted by groundwater migrating from the site.

Based on the sensitive receptor survey, the primary potential receptors at the site includes underground utilities adjacent to the AOCs and commercial employees and short-term construction workers during potential construction work involving soil excavation, should this type of work occur.

1.7.4 ESTIMATION OF AREA OF INVESTIGATION AND COMPLIANCE CONCENTRATIONS

The area of investigation concentration (AOIC) for soils represent the highest measured concentrations of the COCs in all soil samples collected from the AOCs. Analytical results for soil samples collected by CRA indicate the zone of petroleum hydrocarbon impact is within the zone of surface soils (0 to 15 feet bgs).

The compliance concentration (CC) for each COC were determined as the highest measured concentrations of the COCs in groundwater samples collected from the soil borings and monitor wells during the two previous investigations.

The AOIC and CC for soil and groundwater, respectively, are presented in Tables 5A and 5B, Appendix B.

1.8 IDENTIFICATION OF THE RECAP STANDARDS FOR EACH IMPACTED MEDIUM

The RECAP standards derived for the AOC for each RECAP management option were determined as follows:

1.8.1 SCREENING OPTION

The RECAP SO SS for each impacted medium (soil and groundwater) at the site were determined based on the site land use scenario, site groundwater classification, and a

determination of risk-based parameters in accordance with the screening option of the RECAP document.

The SS for soils were determined for each applicable COC for the AOC. The site is considered an industrial facility and, therefore, industrial SS values are applicable for the soil ($Soil\_SS_i$) that are protective of human health for contact with surface and potential surface soil. Each $Soil\_SS_i$ was compared with the SS protective of groundwater (Soil_SSGW), and the lowest standard was chosen as the limiting SS. The Soil_SS and SS for groundwater (GW_SS) were taken directly from Table 1 of the RECAP document.

A comparison of the limiting SS with the AOICs and CCs in the AOC-1 and AOC-2 indicates the following:

AOC-1

- Three soil samples exceeded the SS for benzene (the analytical reporting limit exceeded on one of these samples), three samples exceeded for MTBE (the analytical reporting limit exceeded on one of these samples), two samples exceeded for TPH-GRO, and one sample exceeded for SPLP TPH-GRO (see Table 5A, Appendix B). The SPLP result for the benzene method reporting limit that exceeded the SS at MW-1 (2'-4') was less than the SPLP benzene standard (see Table 1).
- One groundwater sample exceeded the SS for benzene, one sample exceeded for ethylbenzene, six samples exceeded for MTBE, and six samples exceeded for TPH-GRO (see Table 5C, Appendix B).

AOC-2

- None of the soil or groundwater samples exceeded the SS for soil or groundwater or were detected at or above the analytical method reporting limits (see Tables 5B and 5D, Appendix B).

The COCs whose AOIC and CC were greater than the respective limiting SS values in AOC-1 were carried forward to the next level of evaluation (RECAP Appendix I).

1.8.2 IDENTIFICATION OF THE APPENDIX I RECAP STANDARDS FOR EACH IMPACTED MEDIUM

The RS for each impacted medium (surface soil, potential surface soil and groundwater) at the site have been determined based on the site land use scenario, site groundwater

classification, and a determination of risk-based parameters in accordance with the Appendix I Option of the RECAP document.

The RS for soils have been calculated for each COC in AOC-1. The site is considered an industrial facility and, as such, industrial values are applicable for the soil, $Soil_i$, that are protective of human health for contact with surface and potential surface soil. Risk-based parameters used to determine the RS include a source width of 30 feet, a source length of 30 feet, and a fractional organic carbon (foc) value of 0.02 (percent organic matter [2.70] divided by 174). The geotechnical laboratory report was included in Appendix A of the Additional Site Investigation Report dated January 2004. Based on this information, the initial values for $Soil_i$ RS were selected from the Category 12 Table in RECAP Appendix I as determined from RECAP Figure I-1. The values are listed in Table 6A, Appendix B.

The Appendix I RS for soil concentrations protective of groundwater discharging to surface water, $Soil_{GW3NDW}$, were calculated using the source dimensions and the distance from the POC to the POE. As previously noted (Section 1.7.2), the distance between the POE and POC, is approximately 1,400 feet. Based on this information, and a source length of less than 30 feet with an f_{oc} value of 0.02, the initial $Soil_{GW3NDW}$ values for the COCs were determined from the Category 12 Table in RECAP Appendix I as determined from RECAP Figure I-1. The source width of less than 30 feet determined a DAF of 1,902 for AOC-1 from RECAP Figure I-2. The DAF of 1,902 was applied to the $Soil_{GW3NDW}$ values to calculate an Adjusted $Soil_{GW3NDW}$ RS for each COC. The $Soil_{sat}$ values for the COCs were also determined from the Category 12 Table. The values for the $Soil_{GW3NDW}$ and $Soil_{sat}$ soil RS are presented in Table 6A, Appendix B.

The Appendix I RS for groundwater protective of potential discharge of constituents to surface water was determined with the same source dimensions and the distance from the POC to the POE as the soil evaluation. Based on site parameters, including the source length of less than 30 feet and f_{oc} value of 0.02, the initial GW_{3NDW} RS were selected from the Category 12 table, as determined from the Figure I-1 of RECAP Appendix I. The DAF of 1,902 was determined from RECAP Figure I-2 and was applied to the GW_{3NDW} RS values from the Category 12 table to calculate an Adjusted GW_{3NDW} RS for each COC. The standard that limits a constituent to its solubility in water, GW_S, was determined from the Category 12 table, where applicable. The values for groundwater RS are presented in Table 6B, Appendix B.

1.8.3 ADJUSTMENT OF RISK-BASED RS

Adjustments to the applicable RS values identified above are required to account for additivity if more than one constituent present in the soil or groundwater elicits non-carcinogenic effects on the same target organ/system. The Adjusted $Soil_i$ standards to account for the effects of additivity based on the target organs for each COC as presented in Table 7A. However, if the sum of the Hazard Index of all COCs for each target organ system is less than 1.0, then the adjustment for additive effects is not necessary. In this report, the Hazard Indices for all COCs for each target organ system were totaled in Table 7B, Appendix B. The maximum total Hazard Index for $Soil_i$ was less than 1.0. Therefore, there was no need to account for additivity for the $Soil_i$ standard. Adjustments to groundwater RS for the additive effects are not necessary for RS based on groundwater classified as GW_{3NDW}.

1.8.4 IDENTIFICATION OF THE LIMITING RS

The limiting RS were determined for surface and potential surface soil in AOC-1 by comparing the Adjusted $Soil_i$, Adjusted $Soil_{GW3NDW}$, and $Soil_{sat}$ RS, and the lowest of these RS values was selected as the limiting RS. The limiting RS for soil are presented in Table 6A, Appendix B.

The limiting RS were determined for groundwater in AOC-1 by comparing the RS for water solubility of applicable constituents and the Adjusted GW_{3NDW} RS values and the lowest of these RS values was selected as the limiting RS. The limiting RS for the groundwater are presented in Table 6B, Appendix B.

1.8.5 COMPARISON OF THE LIMITING RS TO THE SITE CONCENTRATIONS

A comparison of the Limiting RS concentrations with the AOIC data for soil and CC for groundwater for the AOC are presented in Table 8, Appendix B. The comparison demonstrates that none of the COCs in soil or groundwater exceed the Limiting RS.

1.9 ECOLOGICAL EVALUATION

In accordance with the RECAP document requirements, an Ecological Checklist was completed for the site in order to make an initial determination of whether an ecological

risk assessment would be required. Based on site conditions and the checklist assessment criteria, it appears that no additional ecological assessment activities will be required at the site. A copy of the completed Ecological Checklist is included as Appendix E.

2.0 SUMMARY OF FINDINGS

An LDEQ RECAP evaluation of the Chevron Service Station No. 60109060 located at 2929 College Drive in Baton Rouge, East Baton Rouge Parish, Louisiana has been completed. AOC-1 is rectangular in shape and less than 0.5 acre in size. The evaluation was completed using Appendix I of the October 20, 2003, LDEQ RECAP. As a result of the RECAP evaluation, site specific RS were developed for each COC. The RS were compared to COC concentrations resulting from a subsurface site investigation conducted by CRA and reported to the LDEQ in May 2003 and January 2004. The comparison indicates none of the COCs exceed the site specific limiting RS in soil and groundwater.

3.0 RECOMMENDATIONS

Based on the results of this RECAP evaluation, CRA respectfully requests a No Further Action - At This Time (NFA-ATT) status for this site.

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

Seth P. Domangue

Calvin R. Wiggs, PG

Thomas B. Powers, PG

APPENDIX A

FIGURES

RE: USGS 7.5 MINUTE TOPOGRAPHIC MAPS,
"BATON ROUGE EAST, LA" AND "BATON ROUGE WEST, LA".

figure 1
VICINITY MAP
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

27453-01(004)PR-BR003 MAR 11/2004

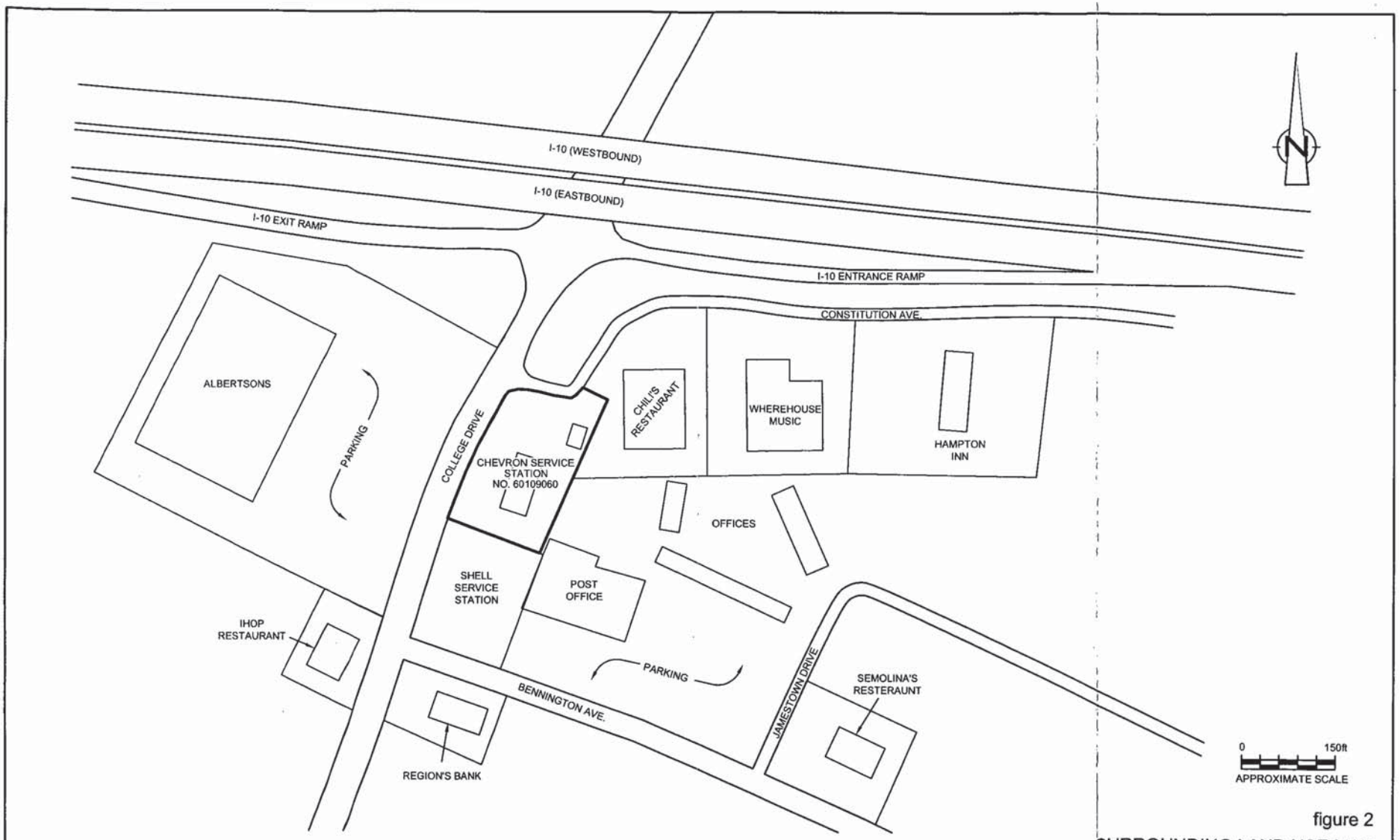


figure 2

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

CRA

RE: CRA SITE VISIT.

27453-01(004)GN-BR007 APR 29/2004

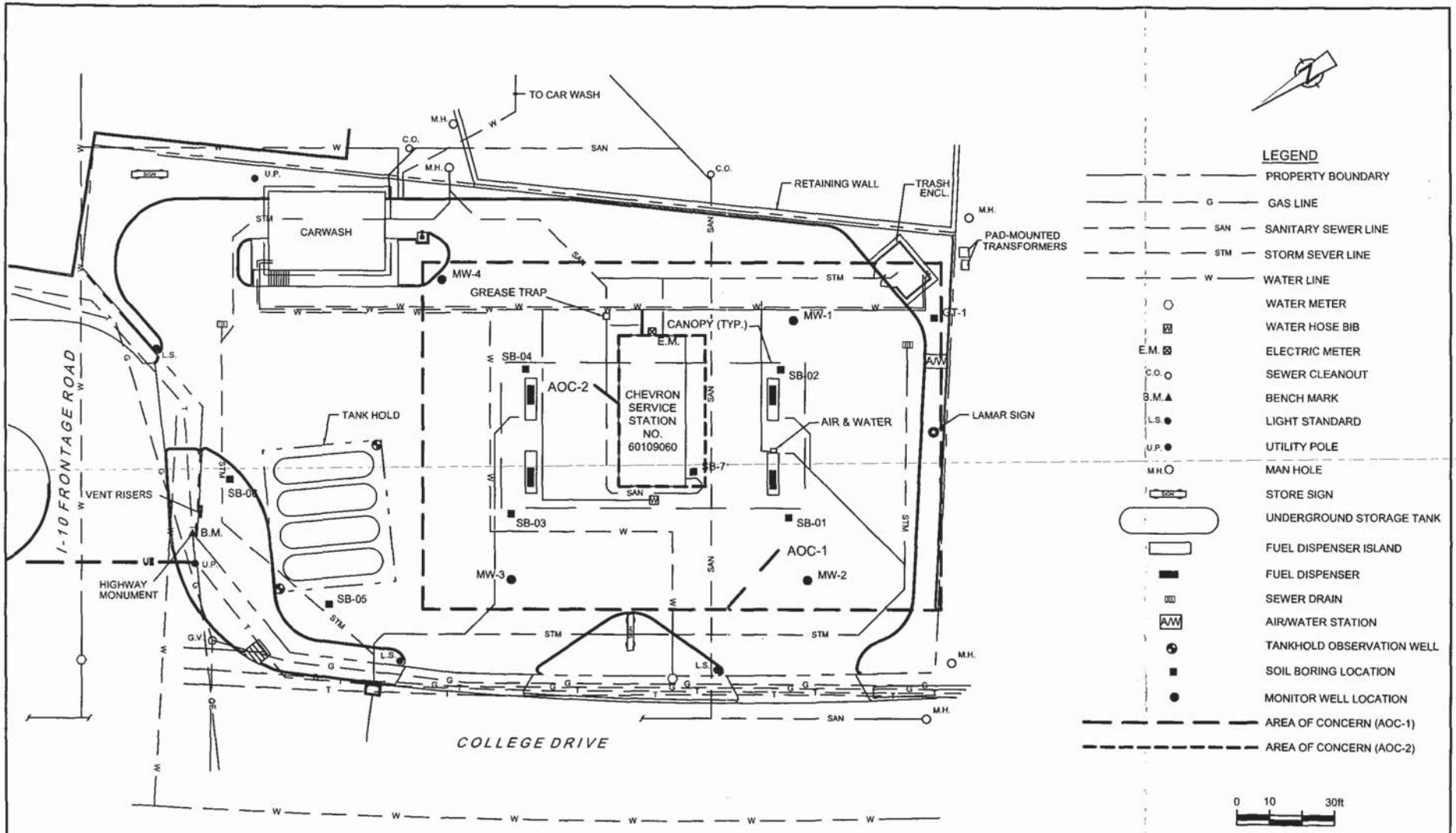
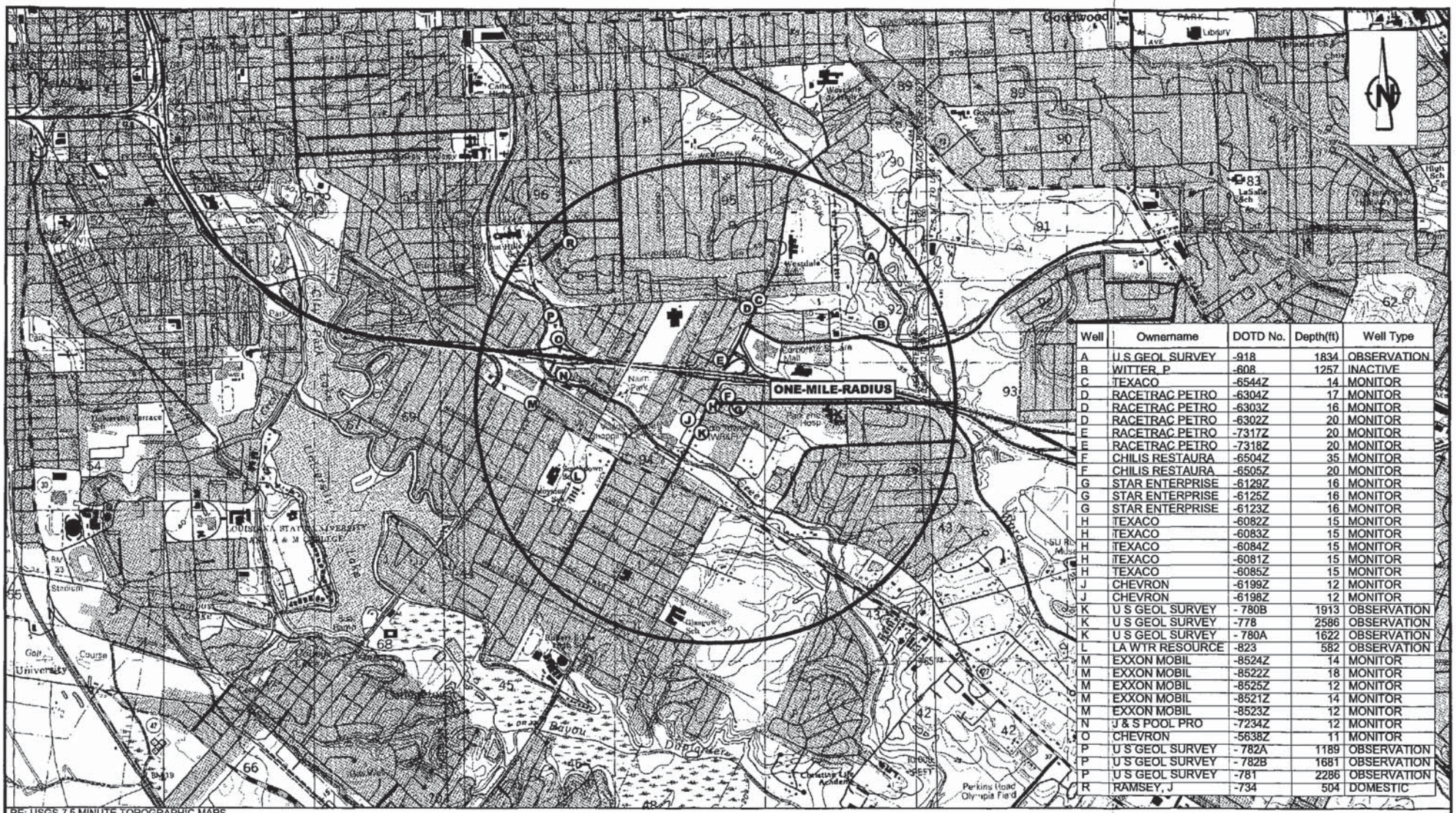


figure 3

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

RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA242U4, "EXTERIOR PIPING & ELECTRICAL PLAN".

27453-01(004)GN-BR001 MAR 10/2004



Well	Ownername	DOTD No.	Depth(ft)	Well Type
A	U S GEOL SURVEY	-918	1834	OBSERVATION
B	WITTER, P	-608	1257	INACTIVE
C	TEXACO	-6544Z	14	MONITOR
D	RACETRAC PETRO	-6304Z	17	MONITOR
D	RACETRAC PETRO	-6303Z	16	MONITOR
D	RACETRAC PETRO	-6302Z	20	MONITOR
E	RACETRAC PETRO	-7317Z	20	MONITOR
E	RACETRAC PETRO	-7318Z	20	MONITOR
F	CHILIS RESTAURA	-6504Z	35	MONITOR
F	CHILIS RESTAURA	-6505Z	20	MONITOR
G	STAR ENTERPRISE	-6129Z	16	MONITOR
G	STAR ENTERPRISE	-6125Z	16	MONITOR
G	STAR ENTERPRISE	-6123Z	16	MONITOR
H	TEXACO	-6082Z	15	MONITOR
H	TEXACO	-6083Z	15	MONITOR
H	TEXACO	-6084Z	15	MONITOR
H	TEXACO	-6081Z	15	MONITOR
H	TEXACO	-6085Z	15	MONITOR
J	CHEVRON	-6199Z	12	MONITOR
J	CHEVRON	-6198Z	12	MONITOR
K	U S GEOL SURVEY	- 780B	1913	OBSERVATION
K	U S GEOL SURVEY	-778	2586	OBSERVATION
K	U S GEOL SURVEY	- 780A	1622	OBSERVATION
L	LA WTR RESOURCE	-823	582	OBSERVATION
M	EXXON MOBIL	-8524Z	14	MONITOR
M	EXXON MOBIL	-8522Z	18	MONITOR
M	EXXON MOBIL	-8525Z	12	MONITOR
M	EXXON MOBIL	-8521Z	14	MONITOR
M	EXXON MOBIL	-8523Z	12	MONITOR
N	J & S POOL PRO	-7234Z	12	MONITOR
O	CHEVRON	-5638Z	11	MONITOR
P	U S GEOL SURVEY	- 782A	1189	OBSERVATION
P	U S GEOL SURVEY	- 782B	1681	OBSERVATION
P	U S GEOL SURVEY	-781	2286	OBSERVATION
R	RAMSEY, J	-734	504	DOMESTIC

RE: USGS 7.5 MINUTE TOPOGRAPHIC MAPS,
"BATON ROUGE EAST, LA" AND
"BATON ROUGE WEST, LA".

WATER WELL DATA FROM LADOTD WATER WELL DATABASE DATED SEPTEMBER 2003.

1000 0 1000 2000 Feet

LEGEND

○ REGISTERED WATER WELL

figure 4
WATER WELL MAP
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

27453-01(004)PR-BR002 MAR 11/2004

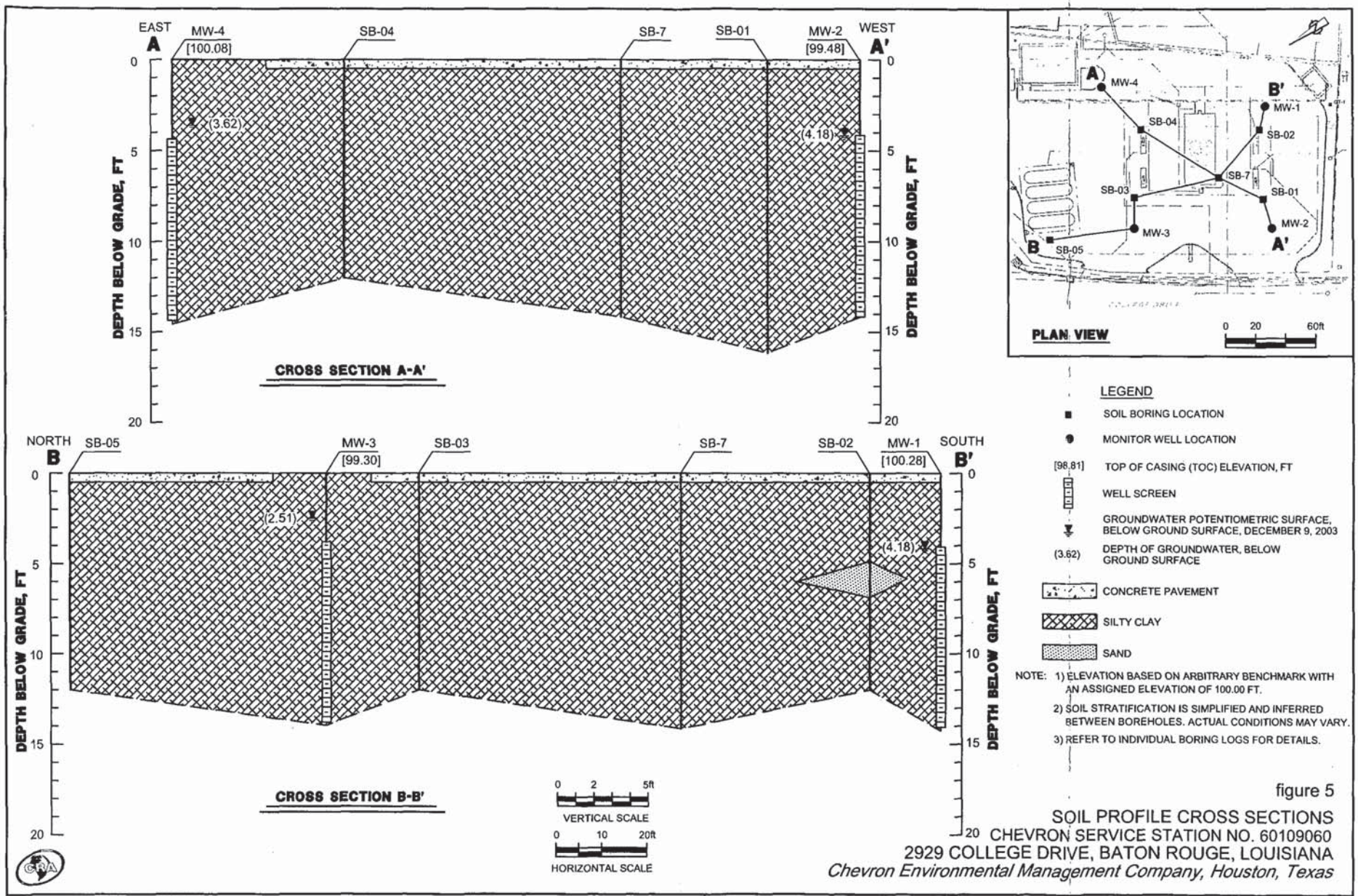


figure 5

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

27453-01(004)GN-BR006 MAR 11/2004

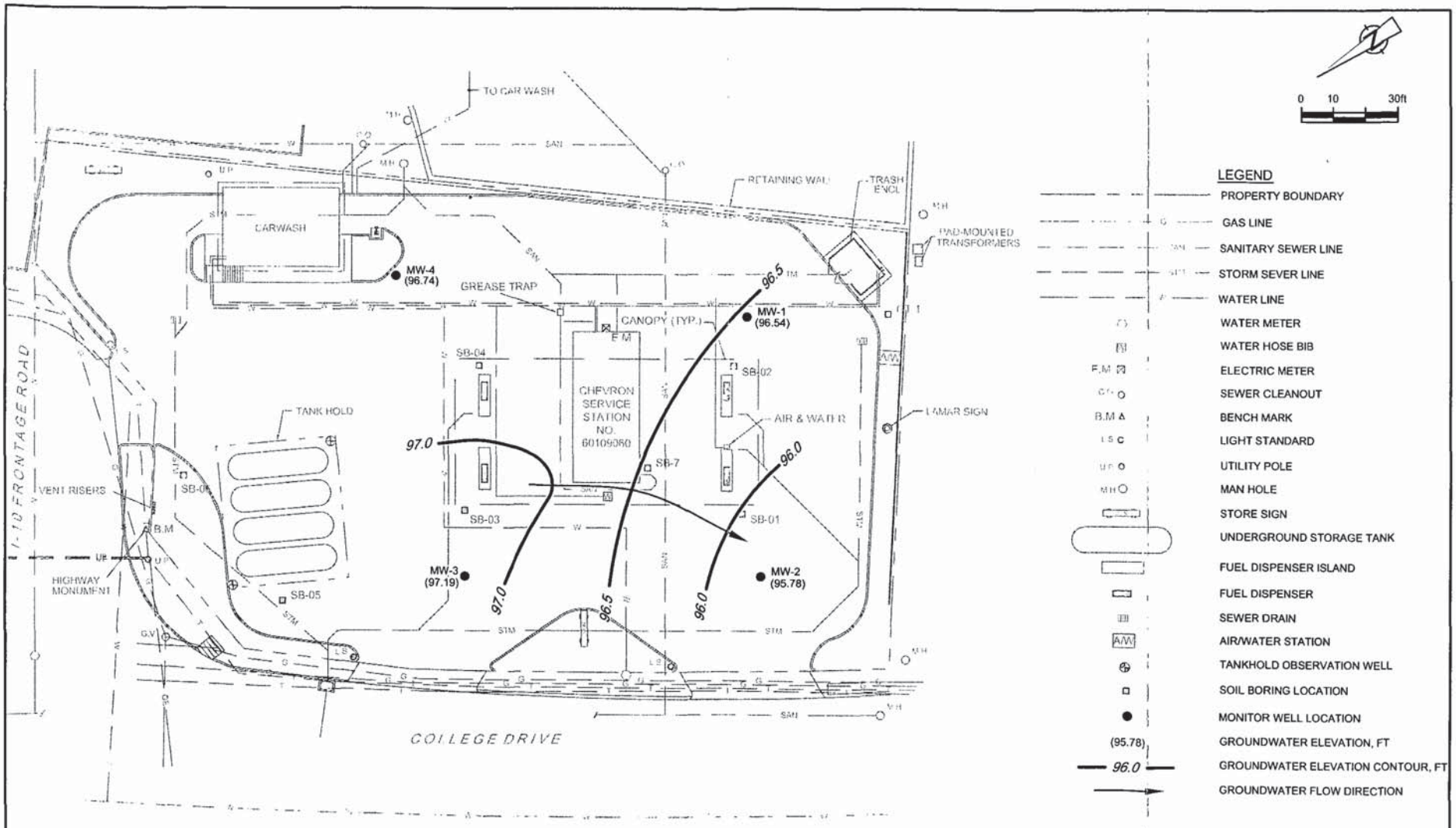


figure 6

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

RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA242U4, "EXTERIOR PIPING & ELECTRICAL PLAN".

27453-01(004)GN-BR002 MAR 10/2004

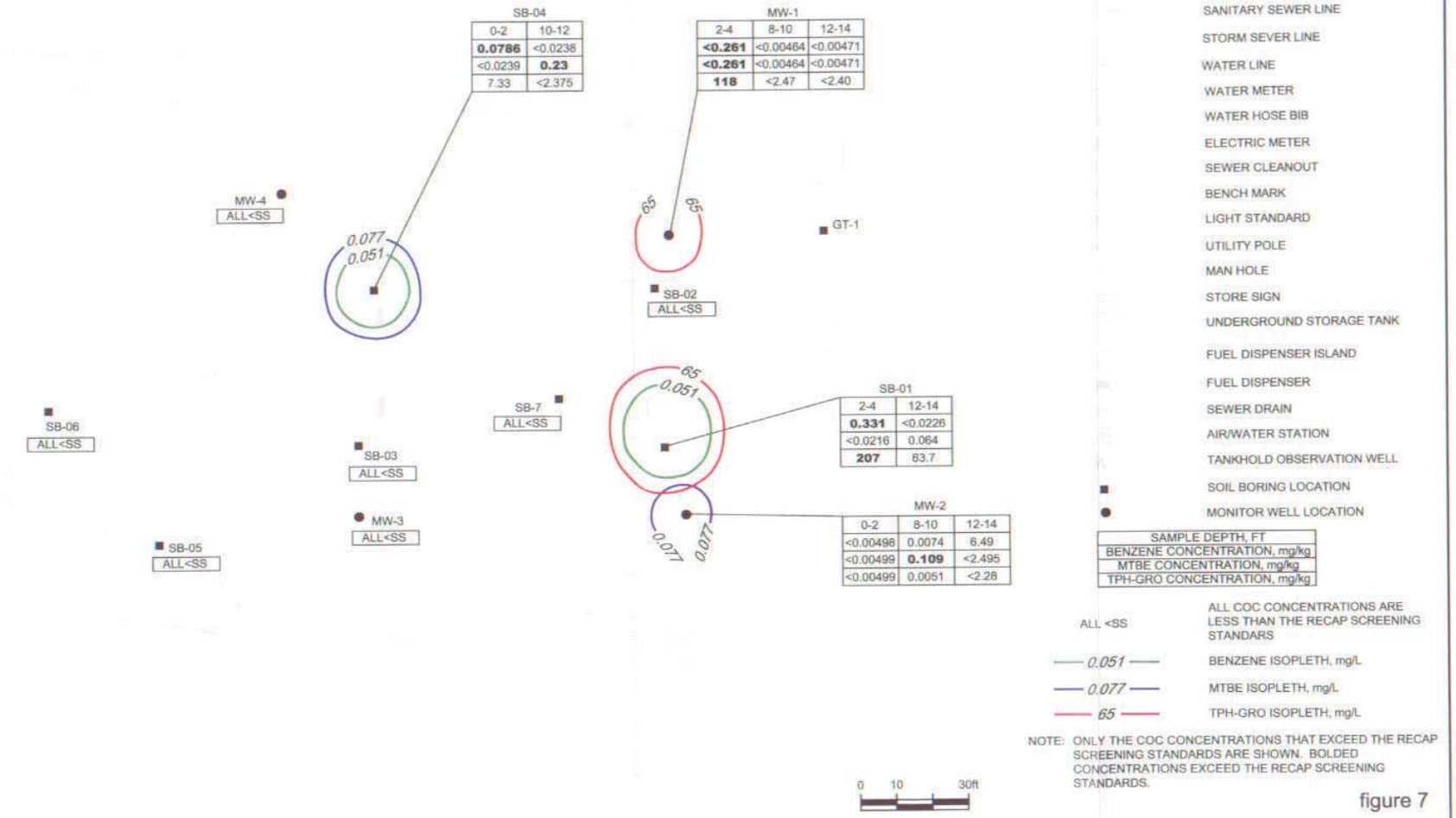
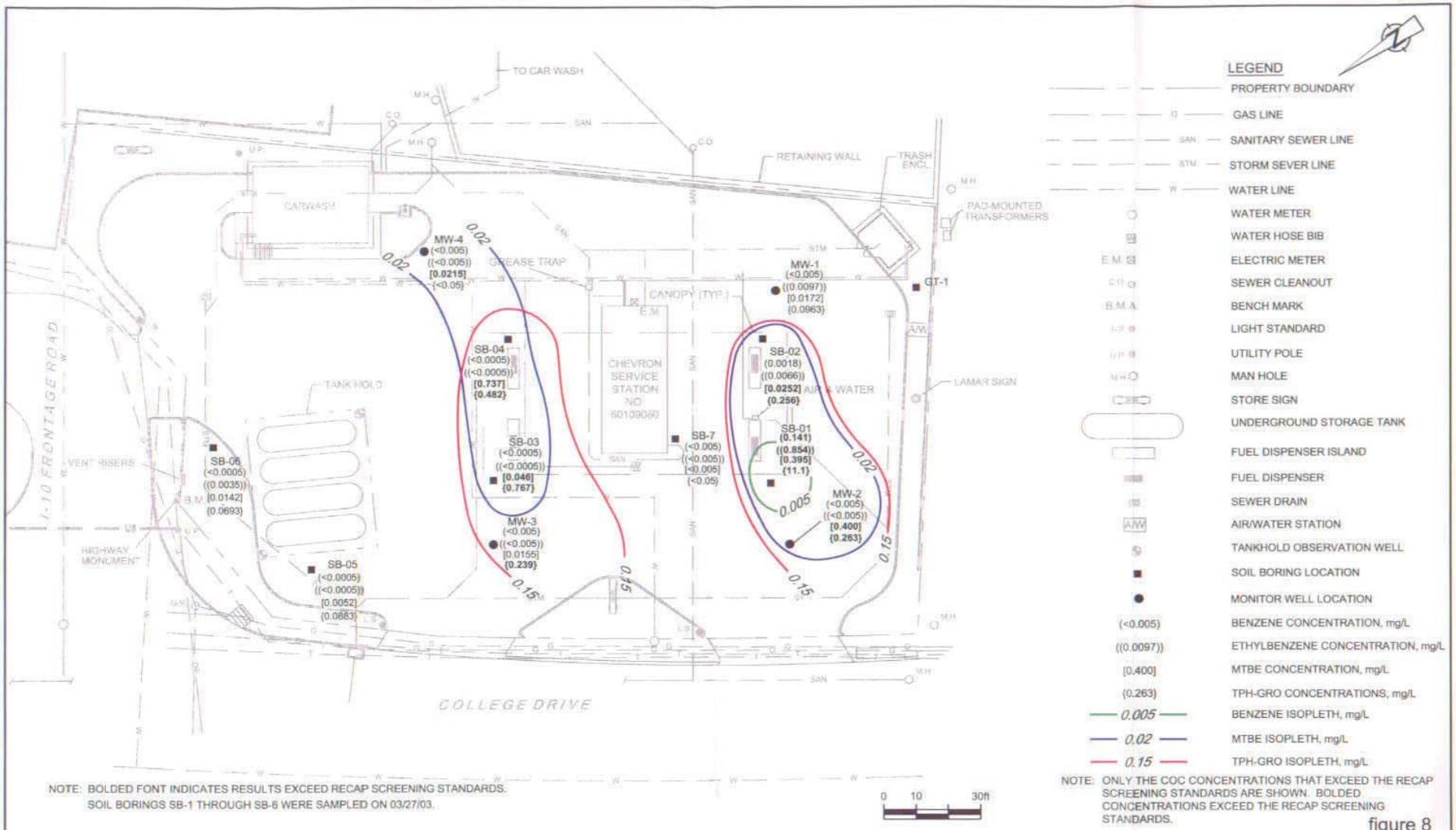


figure 7

BENZENE, MTBE, AND TPH-GRO CONCENTRATIONS AND ISOPLETHS FOR SOIL 0'-15'
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE, BATON ROUGE, LOUISIANA
Chevron Environmental Management Company, Houston, Texas

RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA242U4, "EXTERIOR PIPING & ELECTRICAL PLAN".

27453-01(004)GN-BR003 MAR 11/2004



LEGEND

- PROPERTY BOUNDARY
- GAS LINE
- SANITARY SEWER LINE
- STORM SEVER 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
- (<0.005) BENZENE CONCENTRATION, mg/L
- ((0.0097)) ETHYLBENZENE CONCENTRATION, mg/L
- [0.400] MTBE CONCENTRATION, mg/L
- {0.263} TPH-GRO CONCENTRATIONS, mg/L
- 0.005 BENZENE ISOPLETH, mg/L
- 0.02 MTBE ISOPLETH, mg/L
- 0.15 TPH-GRO ISOPLETH, mg/L

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

NOTE: ONLY THE COC CONCENTRATIONS THAT EXCEED THE RECAP SCREENING STANDARDS ARE SHOWN. BOLDED CONCENTRATIONS EXCEED THE RECAP SCREENING STANDARDS.

figure 8

GROUNDWATER BENZENE, ETHYLBENZENE, 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

RE: ADAPTED FROM MORRIS & ASSOCIATES, INC. FIGURE CCA242U4, "EXTERIOR PIPING & ELECTRICAL PLAN".

27453-01(004)GN-BR004 APR 29/2004

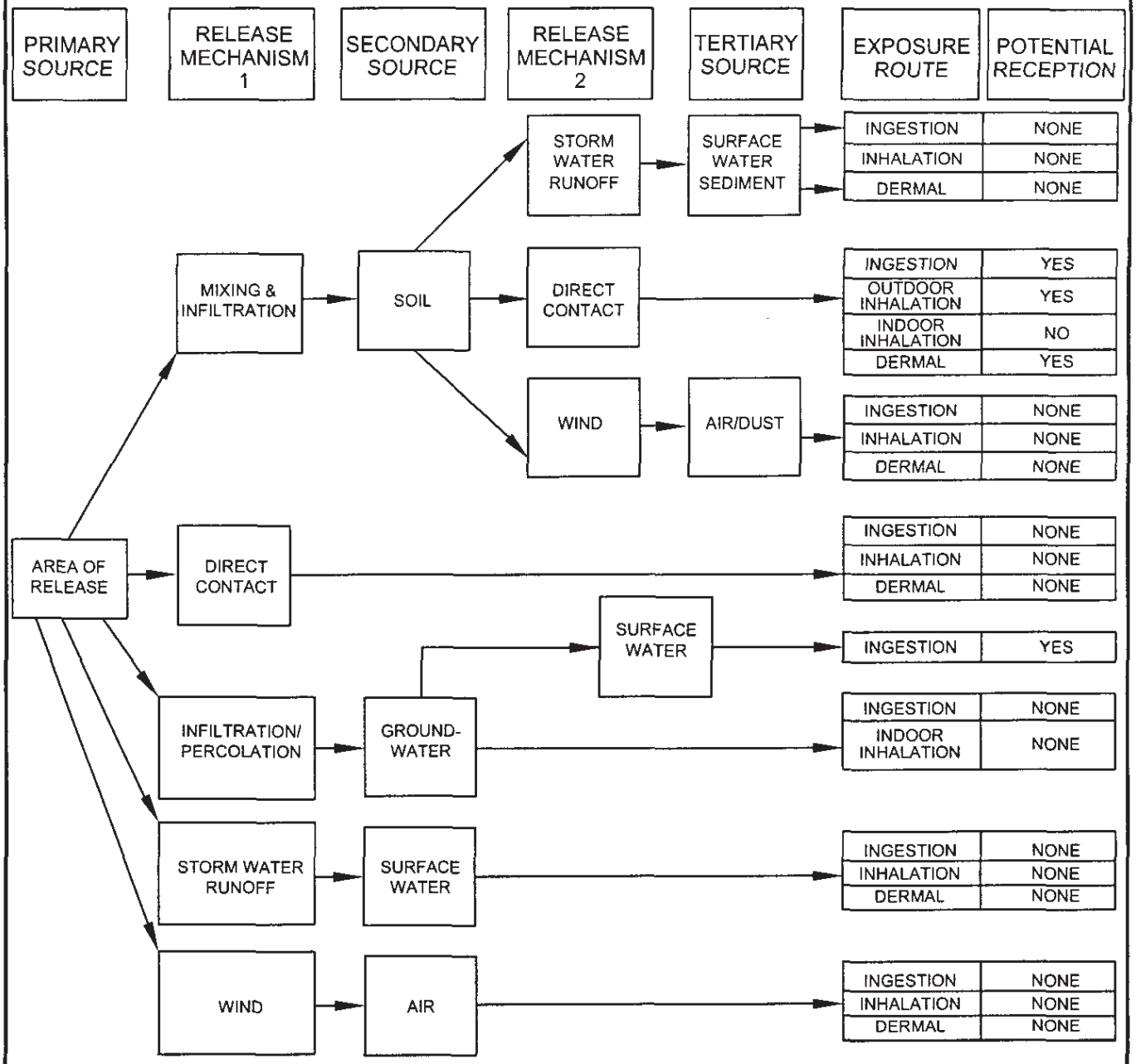


figure 9

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

27453-01(004)GN-BR005 APR 29/2004

APPENDIX B

TABLES

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	**0.331**	<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

		Parameter							
Boring (depth, ft)	*Sample Date*	*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

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
MW-1	12/09/03	<0.005	<0.005	0.0097	<0.005	0.0172	0.0963
MW-2	12/09/03	<0.005	<0.005	<0.005	<0.005	**0.400**	**0.263**
MW-3	12/09/03	<0.005	<0.005	<0.005	<0.005	0.0155	**0.239**
MW-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.

TABLE 3

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 4

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 5A

AREA OF INVESTIGATION CONCENTRATIONS FOR EACH SOIL MEDIUM
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Constituent of Concern (mg/kg)	*RECAP Limiting Screening Standard* [1]	*Area of Investigation Concentration* [2]	
		AOC-1	AOC-2
		Depth Interval in Feet	*Depth Interval in Feet*
		0 - 15	*0 - 15*
Benzene	0.051	**0.331**	<0.00493
Toluene	20	0.122	<0.00493
Ethylbenzene	19	9.42	<0.00493
Xylenes	150	1.23	<0.00493
MTBE	0.077	**<0.261**	<0.00493
TPH-GRO	65	**207**	<2.40

MTBE = methyl tertiary butyl ether
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
Notes: [1] LDEQ Screening Standards are derived from the LDEQ's June 20, 2000, Risk Evaluation/ Corrective Action Program (RECAP) Table 1 Screening Standards for Soil and Groundwater.
[2] The reported soil Area of Investigation concentrations are the maximum concentrations encountered for each constituent of concern from samples collected during the site investigations.
Results shown in bold type exceed the RECAP Screening Standard, RECAP Table 1.

TABLE 5B

GROUNDWATER COMPLIANCE CONCENTRATIONS
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Constituent of Concern (mg/L)	*RECAP Limiting Screening Standard* [1]	*AOC-1*	*AOC-2*
		Groundwater Compliance Concentrations [2]	*Groundwater Compliance Concentrations* [2]
Benzene	0.005	**0.141**	<0.005
Toluene	1.0	0.0161	<0.005
Ethylbenzene	0.7	**0.854**	<0.005
Xylenes	10.0	0.259	<0.005
MTBE	0.02	**0.737**	<0.005
TPH-GRO	0.15	**11.1**	<0.05

TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
MTBE = methyl tertiary butyl ether
mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).
Notes: [1] LDEQ Screening Standards are derived from the LDEQ's October 20, 2003, Risk Evaluation/Corrective Action Program (RECAP) Table 1 Screening Standards for Soil and Groundwater.
[2] The reported groundwater compliance concentrations are the maximum concentrations encountered for each constituent of concern from samples collected during the site investigations.
Results shown in bold type exceed the RECAP Screening Standard, RECAP Table 1.

TABLE 6A

LIST OF APPENDIX I LIMITING STANDARDS FOR EACH COC FOR SOIL
AOC-1
CHEVRON SERVICE STATION NO. *60109060*
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Category 12		*Soil RECAP Standards*					
	Constituents of Concern [2]	*Soil $_i$*	*Soil $_{GW3NDW}$*	*Dilution Factor*	*Adjusted Soil $_{GW3DW}$*	*Soil $_{Sat}$*	*Appendix I Limiting Standards* [3]
Assumes:		A	D	E	F=D x E	G	
Sl ~ 30 ft	Benzene	9.2	0.34	1,902	647	2,400	9.2
X ~ 1,400 ft							
foc = 0.02	MTBE	110,000	3,800	1,902	>1,000,000	18,000	18,000
DF = 1,902							
GW3NDW	TPH-GRO	10,000	10,000	N/A[4]	10,000	N/A	10,000

N/A = Not Applicable
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
MTBE = Methyl tertiary butyl ether
Notes: [1] Assumptions used to develop Appendix I standards; where Sl is source length, x is distance downgradient from source, DF is dilution factor, dilution factor, foc is fractional organic carbon, and GW3NDW is the groundwater classification.
[2] Only the constituents that exceeded the RECAP limiting screening standard are listed as constituents of concern.
[3] Appendix I Limiting Standards for Soils are derived from taking the lowest value when comparing Soil$_i$, Soil$_{GW3NDW}$, Soil$_{Sat}$. (Adjustments for additivity and dilution factors were added before comparisons were taken)
[4] No Dilution Factor applied, TPH-GRO concentration shall not exceed 10,000 mg/kg.

TABLE 6B

LIST OF APPENDIX I LIMITING STANDARDS FOR EACH COC FOR GROUNDWATER
AOC-1
CHEVRON SERVICE STATION NO. *60109060*
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

		Groundwater RECAP Standards				
	Constituents [2] of Concern	*GW3NDW*	*Dilution Factor*	*Adjusted GW3NDW*	*Solubility*	*Appendix I Limiting Standard [3]*
Appendix I [1] Category 12 Assumes: Sl = 30 ft X ~ 1,400 ft DF = 1,902 GW3NDW		A	B	C= A*B	D	
	Benzene	0.013	1,902	25	1,800	25
	Ethylbenzene	8.1	1,902	15,406	1,700	1,700
	MTBE	550	1,902	1,046,100	51,000	51,000
	TPH-GRO	31	1,902	58,962	N/A	10,000 [4]

mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).
N/A = Not Applicable
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
Notes: [1] Assumptions used to develop Appendix I standards; where Sl is source length, x is distance downgradient from source, DF is dilution factor, and GW3NDW is the groundwater classification.
[2] Only the constituents that exceeded the RECAP limiting screening standard are listed as constituents of concern.
[3] Limiting Appendix I Standards for groundwater are derived from taking the lowest value when comparing GW3 and Solubility. (Additivity adjustment is not applicable for each COC when GW3 is present)
[4] TPH-GRO concentration shall not exceed 10,000 mg/L.

TABLE 7A

ADDITIVITY FACTORS
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

LIST OF COMPOUNDS & AFFECTING TARGET ORGANS

Compound	*Target Organ/System*
Toluene	Liver, Kidney, Central Nervous System, Nasal Epithelium
Ethylbenzene	Liver, Kidney, Fetal Effects
Xylenes	Central Nervous System, Decreased Body Weight, Decreased Longevity
MTBE	Kidney, Liver, Ocular Effects
TPH-GRO	Kidney, Liver, Decreased Body Weight, Hematological System
TPH-DRO	Kidney, Liver, Decreased Body Weight, Hematological System
Naphthalene	Decreased Body Weight, Nasal Epithelium

LIST OF TARGET ORGANS & AFFECTING COMPOUNDS

Target Organ/System	*Compound*
Liver	Toluene, Ethylbenzene, MTBE, TPH-GRO, TPH-DRO
Kidney	Toluene, Ethylbenzene, MTBE, TPH-GRO, TPH-DRO
Central Nervous System	Toluene, Xylenes
Decreased Body Weight	Xylenes, TPH-GRO, TPH-DRO, Naphthalene
Hematological System	TPH-GRO, TPH-DRO
Nasal Epithelium	Toluene, Naphthalene
Fetal Effects	Ethylbenzene
Decreased Longevity	Xylenes
Ocular Effects	MTBE

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics
TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
MTBE = methyl tertiary butyl ether

TABLE 7B

ADDITIVITY ASSESSMENT OF RECAP LIMITING STANDARDS - SOIL
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Constituents of Concern	*LIVER EFFECTS*			
	Soil; (mg/kg)	*Exposure/ Source Concentration (mg/kg)*	*Hazard Index*	*TotalHazard to Liver greater than 1.0?*
	a	b	c= b/a	
MTBE	110,000	<0.261	0.0000024	
TPH-GRO	10,000	207	0.0207	
Total Hazard to Liver			0.0207	No

Constituents of Concern	*KIDNEY EFFECTS*			
	Soil; (mg/kg)	*Exposure/ Source Concentration (mg/kg)*	*Hazard Index*	*Total Hazard to Kidney greater than 1.0?*
	a	b	c= b/a	
MTBE	110,000	<0.261	0.0000024	
TPH-GRO	10,000	207	0.0207	
Total Hazard to Kidney			0.0207	No

TPH-GRO = total petroleum hydrocarbons - gasoline range organics
MTBE = methyl tertiary butyl ether
mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm).

TABLE 8

COMPARISON OF APPENDIX I LIMITING STANDARDS AND AREA OF INVESTIGATION AND COMPLIANCE CONCENTRATIONS
AOC-1
CHEVRON SERVICE STATION NO. 60109060
2929 COLLEGE DRIVE
BATON ROUGE, LOUISIANA

Constituents of Concern [1]	*Appendix I Limiting Standard (mg/kg)*	*Area of Investigation Concentration* [2] *(mg/kg)*		*Exceeds Appendix I Limiting Standard?*	*Appendix I Limiting Standard (mg/L)*	*Groundwater Compliance Concentrations (mg/L)*	*Exceeds Appendix I Limiting Standard?*
		Depth (Ft)	*Concentration*				
Benzene	9.2	0 - 15	0.331	**No**	25	0.141	No
		> 15	N/A	N/A			
Ethylbenzene	N/A	0 - 15	N/A	N/A	1,700	0.854	No
		> 15	N/A	N/A			
MTBE	18,000	0 - 15	<0.261	**No**	51,000	0.737	No
		> 15	N/A	N/A			
TPH-GRO	10,000	0 - 15	207	**No**	10,000	11.1	No
		> 15	N/A	N/A			

mg/kg = Milligrams per kilogram, which is approximately equivalent to parts per million (ppm).
mg/L = Milligrams per liter, which is approximately equivalent to parts per million (ppm).
N/A = Not Applicable
Notes: [1] Only the constituents that exceeded the RECAP limiting screening standards are listed as COCs.

APPENDIX C

SLUG TEST DATA AND WELL YIELD CALCULATION

CLIENT	Chevron EMC	**PROJECT:**	Station No. 60109060 College Drive Baton Rouge, LA
JOB No	27453-01		
CALCULATION BY	BLC	**DATE**	01/08/04

PURPOSE: To determine Dependable Yield (unsteady/nonequilibrium state).
METHOD: Cooper and Jacob (1946) modification of Theis equation.

GENERAL ASSUMPTIONS/CONDITIONS

1. The water-bearing formation is uniform in character and the hydraulic conductivity is the same in all directions.
2. The formation is uniform in thickness and infinite in areal extent.
3. The formation receives no recharge from any source.
4. The pumped well penetrates, and receives water from, the full thickness of the water-bearing formation.
5. The water removed from storage is discharged instantaneously when the head is lowered.
6. The pumping well is 100-percent efficient.
7. All water removed from the well comes from aquifer storage.
8. Laminar flow exists throughout the well and aquifer.
9. The water table or potentiometric surface has no slope.

Variables

$s := 6$	drawdown (ft), assumes 60 % drawdown of available water column in the well
$K := .07$	hydraulic conductivity (ft/day), see slug test results
$b := 10$	aquifer thickness (ft), typical measured water column in wells
$T = 0.7$	transmissivity of the aquifer (equals conductivity times aquifer thickness [K x b]) (ft^2/day)
$t := 365$	time pumping (days) -- Default: 365, assumes long term drawdown conditions.
$r := .417$	assumed effective well radius (ft) -- Default: 0.417
$S := .05$	storativity of the aquifer (dimensionless) -- Default: 0.05 assuming typical water table conditions.

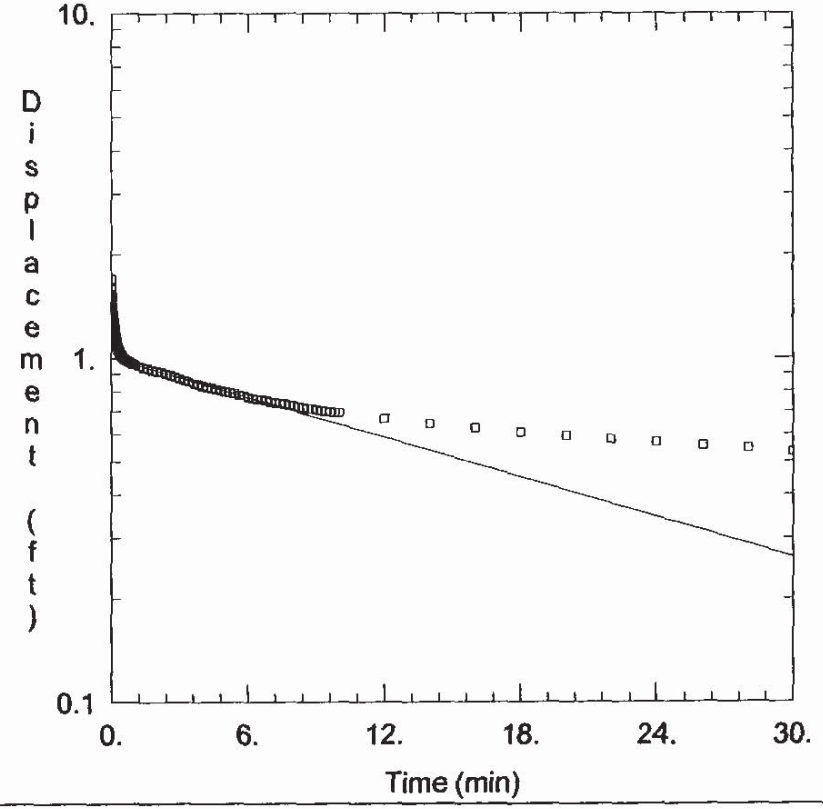
Dependable Yield (Q) Equation

$$Q := \frac{s \cdot T}{0.183 \cdot \log\left(\frac{2.25T \cdot t}{r^2 \cdot S}\right)}$$

$Q = 4.76$ ft^3/day

or, in gallons (1 ft^3 = 7.48 gallons),

which = 35.6 gallons/day



MW-1 SLUG OUT TEST

Data Set: C:\...\27453MW1.aqt
Date: 01/08/04 Time: 14:10:27

PROJECT INFORMATION

Client: Chevron EMC
Project: 27453-01
Location: No. 60109060 Baton Rouge

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 3.951E-05 ft/min
y0 = 1.004 ft

AQUIFER DATA

Saturated Thickness: 10.5 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1)

Initial Displacement: 1.7 ft
Total Well Penetration Depth: 10.5 ft
Casing Radius: 0.083 ft

Static Water Column Height: 10.5 ft
Screen Length: 10. ft
Wellbore Radius: 0.343 ft

Data Set: C:\AQTESOLV\27453-01 Chevron BTR College\27453MW1.aqt
Title: MW-1 SLUG OUT TEST
Date: 01/08/04
Time: 14:18:23

PROJECT INFORMATION

Client: Chevron EMC
Project: 27453-01
Location: No. 60109060 Baton Rouge

AQUIFER DATA

Saturated Thickness: 10.5 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-1

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.7 ft
Static Water Column Height: 10.5 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.343 ft
Well Skin Radius: 0.343 ft
Screen Length: 10. ft
Total Well Penetration Depth: 10.5 ft

No. of Observations: 195

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0033	1.6	0.33	1.051
0.0066	1.59	0.3333	1.051
0.01	1.527	0.35	1.044
0.0133	1.511	0.3666	1.038
0.0166	1.54	0.3833	1.032
0.02	1.537	0.4	1.028
0.0233	1.499	0.4166	1.022
0.0266	1.48	0.4333	1.019
0.03	1.496	0.45	1.016
0.0333	1.496	0.4666	1.013
0.0366	1.464	0.4833	1.01
0.04	1.451	0.5	1.01
0.0433	1.451	0.5166	1.006
0.0466	1.448	0.5333	1.003
0.05	1.436	0.55	1.
0.0533	1.42	0.5666	0.997
0.0566	1.417	0.5833	0.994
0.06	1.41	0.6	0.994
0.0633	1.401	0.6166	0.991
0.0666	1.391	0.6333	0.991
0.07	1.382	0.65	0.987
0.0733	1.376	0.6666	0.987
0.0766	1.369	0.6833	0.984
0.08	1.36	0.7	0.984
0.0833	1.35	0.7166	0.981
0.0866	1.344	0.7333	0.981
0.09	1.338	0.75	0.981
0.0933	1.328	0.7666	0.978
0.0966	1.322	0.7833	0.978
0.1	1.316	0.8	0.975
0.1033	1.306	0.8166	0.972
0.1066	1.3	0.8333	0.972
0.11	1.297	0.85	0.972

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.1133	1.287	0.8666	0.969
0.1166	1.281	0.8833	0.969
0.12	1.275	0.9	0.965
0.1233	1.268	0.9166	0.965
0.1266	1.262	0.9333	0.965
0.13	1.256	0.95	0.962
0.1333	1.253	0.9666	0.962
0.1366	1.246	0.9833	0.962
0.14	1.24	1.	0.959
0.1433	1.234	1.2	0.95
0.1466	1.227	1.4	0.937
0.15	1.221	1.6	0.931
0.1533	1.218	1.8	0.921
0.1566	1.211	2.	0.915
0.16	1.205	2.2	0.909
0.1633	1.199	2.4	0.899
0.1666	1.196	2.6	0.89
0.17	1.189	2.8	0.88
0.1733	1.183	3.	0.871
0.1766	1.18	3.2	0.861
0.18	1.174	3.4	0.855
0.1833	1.17	3.6	0.845
0.1866	1.164	3.8	0.839
0.19	1.161	4.	0.83
0.1933	1.158	4.2	0.823
0.1966	1.152	4.4	0.817
0.2	1.148	4.6	0.811
0.2033	1.145	4.8	0.804
0.2066	1.142	5.	0.798
0.21	1.139	5.2	0.792
0.2133	1.133	5.4	0.789
0.2166	1.129	5.6	0.779
0.22	1.126	5.8	0.776
0.2233	1.123	6.	0.77
0.2266	1.12	6.2	0.763
0.23	1.117	6.4	0.76
0.2333	1.114	6.6	0.757
0.2366	1.111	6.8	0.751
0.24	1.107	7.	0.744
0.2433	1.104	7.2	0.741
0.2466	1.101	7.4	0.738
0.25	1.098	7.6	0.735
0.2533	1.095	7.8	0.729
0.2566	1.092	8.	0.725
0.26	1.088	8.2	0.722
0.2633	1.088	8.4	0.719
0.2666	1.085	8.6	0.713
0.27	1.082	8.8	0.713
0.2733	1.079	9.	0.707
0.2766	1.079	9.2	0.703
0.28	1.076	9.4	0.7
0.2833	1.076	9.6	0.697
0.2866	1.073	9.8	0.694
0.29	1.069	10.	0.694
0.2933	1.069	12.	0.666
0.2966	1.066	14.	0.643
0.3	1.063	16.	0.625
0.3033	1.063	18.	0.606
0.3066	1.06	20.	0.593
0.31	1.06	22.	0.58
0.3133	1.06	24.	0.568
0.3166	1.057	26.	0.555
0.32	1.054	28.	0.546
0.3233	1.054	30.	0.533
0.3266	1.054		

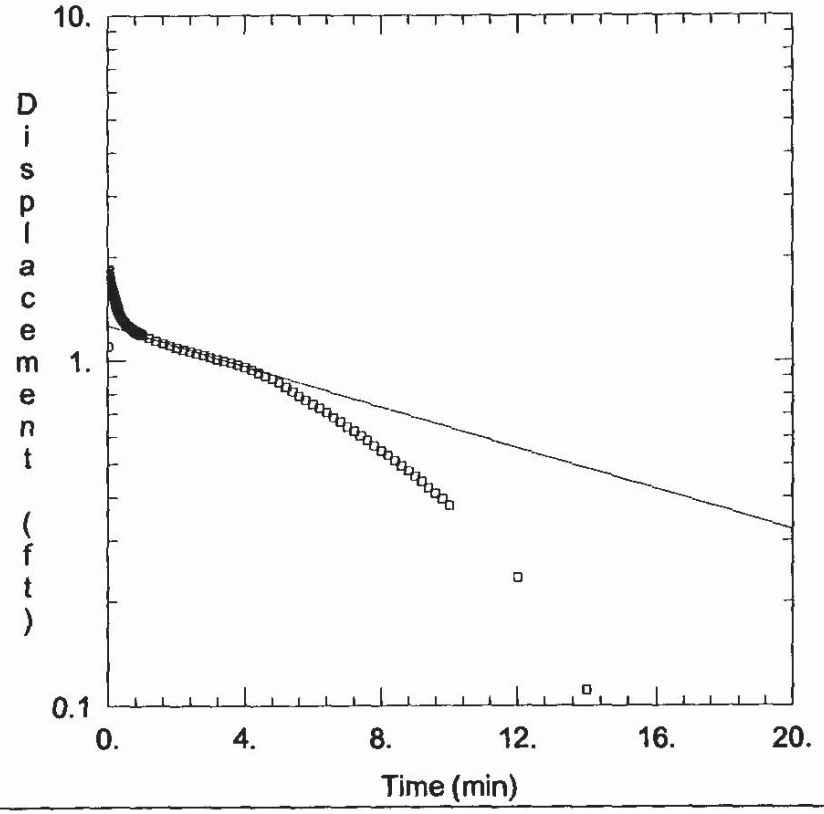
SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
Shape Factor: 2.576

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	3.951E-05	ft/min
y0	1.004	ft



MW-3 SLUG OUT TEST

Data Set: C:\...\27453MW3.aqt
Date: 01/08/04 Time: 14:15:57

PROJECT INFORMATION

Client: Chevron EMC
Project: 27453-01
Location: No. 60109060 Baton Rouge

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 5.945E-05 ft/min
y0 = 1.263 ft

AQUIFER DATA

Saturated Thickness: 9.7 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3)

Initial Displacement: 1.1 ft
Total Well Penetration Depth: 9.7 ft
Casing Radius: 0.083 ft

Static Water Column Height: 9.7 ft
Screen Length: 10. ft
Wellbore Radius: 0.343 ft

Data Set: C:\AQTESOLV\27453-01 Chevron BTR College\27453MW3.aqt
Title: MW-3 SLUG OUT TEST
Date: 01/08/04
Time: 14:18:10

PROJECT INFORMATION

Client: Chevron EMC
Project: 27453-01
Location: No. 60109060 Baton Rouge

AQUIFER DATA

Saturated Thickness: 9.7 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-3

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.1 ft
Static Water Column Height: 9.7 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.343 ft
Well Skin Radius: 0.343 ft
Screen Length: 10. ft
Total Well Penetration Depth: 9.7 ft

No. of Observations: 182

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0233	1.842	0.3266	1.385
0.0266	1.769	0.33	1.381
0.03	1.785	0.3333	1.378
0.0333	1.839	0.35	1.366
0.0366	1.826	0.3666	1.353
0.04	1.769	0.3833	1.343
0.0433	1.757	0.4	1.334
0.0466	1.788	0.4166	1.328
0.05	1.798	0.4333	1.318
0.0533	1.76	0.45	1.312
0.0566	1.735	0.4666	1.302
0.06	1.747	0.4833	1.299
0.0633	1.763	0.5	1.29
0.0666	1.744	0.5166	1.287
0.07	1.719	0.5333	1.28
0.0733	1.716	0.55	1.274
0.0766	1.725	0.5666	1.271
0.08	1.719	0.5833	1.268
0.0833	1.703	0.6	1.261
0.0866	1.691	0.6166	1.258
0.09	1.694	0.6333	1.252
0.0933	1.694	0.65	1.249
0.0966	1.681	0.6666	1.246
0.1	1.668	0.6833	1.243
0.1033	1.665	0.7	1.239
0.1066	1.665	0.7166	1.233
0.11	1.659	0.7333	1.23
0.1133	1.646	0.75	1.227
0.1166	1.64	0.7666	1.227
0.12	1.637	0.7833	1.22
0.1233	1.634	0.8	1.22
0.1266	1.624	0.8166	1.217
0.13	1.618	0.8333	1.214

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.1333	1.615	0.85	1.211
0.1366	1.609	0.8666	1.208
0.14	1.605	0.8833	1.205
0.1433	1.596	0.9	1.205
0.1466	1.593	0.9166	1.201
0.15	1.586	0.9333	1.198
0.1533	1.583	0.95	1.195
0.1566	1.577	0.9666	1.195
0.16	1.571	0.9833	1.192
0.1633	1.567	1.	1.189
0.1666	1.561	1.2	1.164
0.17	1.558	1.4	1.142
0.1733	1.552	1.6	1.123
0.1766	1.545	1.8	1.107
0.18	1.542	2.	1.091
0.1833	1.536	2.2	1.075
0.1866	1.533	2.4	1.063
0.19	1.527	2.6	1.047
0.1933	1.523	2.8	1.034
0.1966	1.517	3.	1.022
0.2	1.514	3.2	1.009
0.2033	1.508	3.4	0.996
0.2066	1.504	3.6	0.984
0.21	1.501	3.8	0.971
0.2133	1.495	4.	0.955
0.2166	1.492	4.2	0.94
0.22	1.489	4.4	0.921
0.2233	1.485	4.6	0.902
0.2266	1.479	4.8	0.883
0.23	1.476	5.	0.861
0.2333	1.473	5.2	0.835
0.2366	1.47	5.4	0.813
0.24	1.463	5.6	0.788
0.2433	1.46	5.8	0.767
0.2466	1.457	6.	0.745
0.25	1.454	6.2	0.726
0.2533	1.451	6.4	0.704
0.2566	1.444	6.6	0.682
0.26	1.441	6.8	0.663
0.2633	1.438	7.	0.641
0.2666	1.435	7.2	0.622
0.27	1.432	7.4	0.603
0.2733	1.429	7.6	0.584
0.2766	1.426	7.8	0.565
0.28	1.422	8.	0.546
0.2833	1.419	8.2	0.53
0.2866	1.416	8.4	0.511
0.29	1.413	8.6	0.492
0.2933	1.41	8.8	0.477
0.2966	1.407	9.	0.461
0.3	1.403	9.2	0.445
0.3033	1.4	9.4	0.426
0.3066	1.4	9.6	0.41
0.31	1.397	9.8	0.395
0.3133	1.394	10.	0.379
0.3166	1.391	12.	0.234
0.32	1.388	14.	0.111
0.3233	1.385	16.	0.

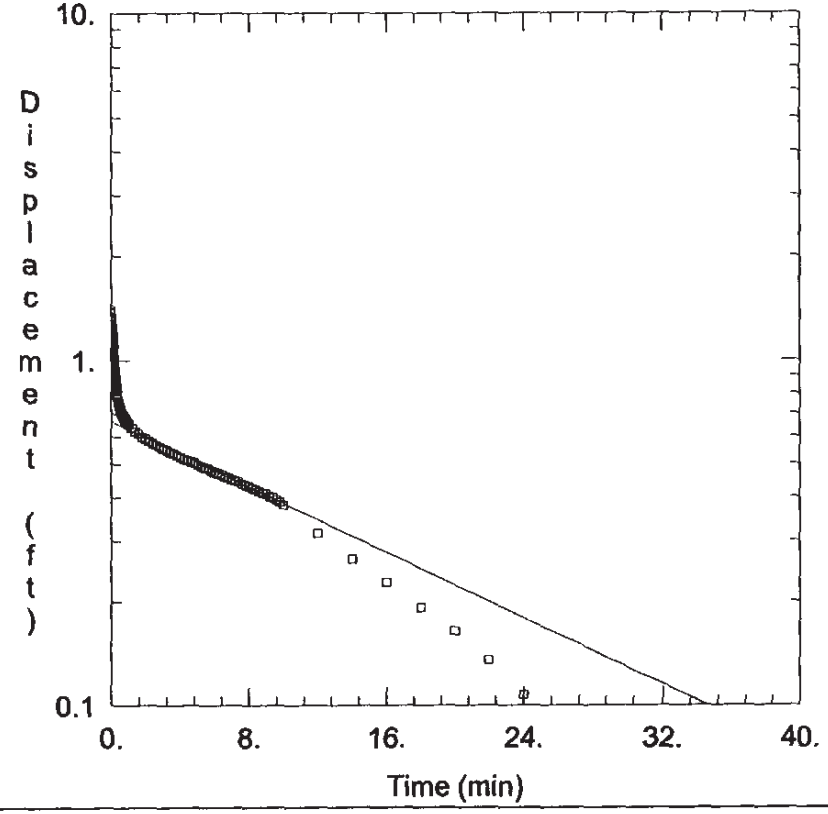
SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
Shape Factor: 2.527

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	5.945E-05	ft/min
y0	1.263	ft



MW-4 SLUG OUT TEST

Data Set: C:\...\27453MW4.aqt
Date: 01/08/04 Time: 14:17:46

PROJECT INFORMATION

Client: Chevron EMC
Project: 27453-01
Location: No. 60109060 Baton Rouge

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 4.832E-05 ft/min
y0 = 0.6668 ft

AQUIFER DATA

Saturated Thickness: 10.2 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-4)

Initial Displacement: 1.4 ft
Total Well Penetration Depth: 10.2 ft
Casing Radius: 0.083 ft

Static Water Column Height: 10.2 ft
Screen Length: 10. ft
Wellbore Radius: 0.343 ft

Data Set: C:\AQTESOLV\27453-01 Chevron BTR College\27453MW4.aqt
Title: MW-4 SLUG OUT TEST
Date: 01/08/04
Time: 14:18:01

PROJECT INFORMATION

Client: Chevron EMC
Project: 27453-01
Location: No. 60109060 Baton Rouge

AQUIFER DATA

Saturated Thickness: 10.2 ft
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: : MW-4

X Location: 0. ft
Y Location: 0. ft

Initial Displacement: 1.4 ft
Static Water Column Height: 10.2 ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.343 ft
Well Skin Radius: 0.343 ft
Screen Length: 10. ft
Total Well Penetration Depth: 10.2 ft

No. of Observations: 197

Observation Data

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.0033	1.319	0.3333	0.817
0.0066	1.325	0.35	0.804
0.01	1.378	0.3666	0.792
0.0133	1.366	0.3833	0.782
0.0166	1.309	0.4	0.773
0.02	1.3	0.4166	0.763
0.0233	1.331	0.4333	0.757
0.0266	1.334	0.45	0.751
0.03	1.296	0.4666	0.744
0.0333	1.278	0.4833	0.738
0.0366	1.296	0.5	0.732
0.04	1.303	0.5166	0.729
0.0433	1.278	0.5333	0.722
0.0466	1.259	0.55	0.719
0.05	1.265	0.5666	0.716
0.0533	1.271	0.5833	0.71
0.0566	1.255	0.6	0.706
0.06	1.24	0.6166	0.703
0.0633	1.236	0.6333	0.7
0.0666	1.243	0.65	0.697
0.07	1.233	0.6666	0.694
0.0733	1.218	0.6833	0.694
0.0766	1.211	0.7	0.687
0.08	1.211	0.7166	0.687
0.0833	1.205	0.7333	0.684
0.0866	1.195	0.75	0.681
0.09	1.186	0.7666	0.678
0.0933	1.183	0.7833	0.678
0.0966	1.177	0.8	0.675
0.1	1.17	0.8166	0.675
0.1033	1.161	0.8333	0.672
0.1066	1.154	0.85	0.669
0.11	1.148	0.8666	0.669

Time (min)	Displacement (ft)	Time (min)	Displacement (ft)
0.1133	1.142	0.8833	0.665
0.1166	1.132	0.9	0.662
0.12	1.126	0.9166	0.662
0.1233	1.123	0.9333	0.659
0.1266	1.117	0.95	0.656
0.13	1.107	0.9666	0.656
0.1333	1.101	0.9833	0.656
0.1366	1.095	1.	0.653
0.14	1.088	1.2	0.637
0.1433	1.082	1.4	0.621
0.1466	1.076	1.6	0.612
0.15	1.069	1.8	0.599
0.1533	1.063	2.	0.593
0.1566	1.057	2.2	0.583
0.16	1.05	2.4	0.574
0.1633	1.044	2.6	0.568
0.1666	1.038	2.8	0.561
0.17	1.031	3.	0.555
0.1733	1.025	3.2	0.549
0.1766	1.019	3.4	0.542
0.18	1.012	3.6	0.536
0.1833	1.006	3.8	0.53
0.1866	1.	4.	0.523
0.19	0.994	4.2	0.517
0.1933	0.99	4.4	0.514
0.1966	0.984	4.6	0.508
0.2	0.978	4.8	0.504
0.2033	0.971	5.	0.498
0.2066	0.968	5.2	0.492
0.21	0.962	5.4	0.489
0.2133	0.956	5.6	0.486
0.2166	0.953	5.8	0.479
0.22	0.946	6.	0.473
0.2233	0.943	6.2	0.47
0.2266	0.937	6.4	0.467
0.23	0.93	6.6	0.46
0.2333	0.927	6.8	0.457
0.2366	0.921	7.	0.451
0.24	0.918	7.2	0.448
0.2433	0.915	7.4	0.445
0.2466	0.908	7.6	0.438
0.25	0.905	7.8	0.435
0.2533	0.899	8.	0.432
0.2566	0.896	8.2	0.426
0.26	0.893	8.4	0.422
0.2633	0.886	8.6	0.416
0.2666	0.883	8.8	0.413
0.27	0.88	9.	0.41
0.2733	0.877	9.2	0.403
0.2766	0.87	9.4	0.4
0.28	0.867	9.6	0.394
0.2833	0.864	9.8	0.388
0.2866	0.861	10.	0.381
0.29	0.858	12.	0.315
0.2933	0.852	14.	0.265
0.2966	0.852	16.	0.227
0.3	0.848	18.	0.192
0.3033	0.842	20.	0.164
0.3066	0.839	22.	0.135
0.31	0.836	24.	0.107
0.3133	0.833	26.	0.085
0.3166	0.833	28.	0.063
0.32	0.829	30.	0.037
0.3233	0.826	32.	0.012
0.3266	0.823	34.	-0.009
0.33	0.82		

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
Shape Factor: 2.558

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	4.832E-05	ft/min
y0	0.6668	ft

APPENDIX D

ANALYTICAL DATA EVALUATION

RECAP FORM 3
ANALYTICAL DATA EVALUATION

Date May 2004

Facility Name Chevron Service Station No. 60109060

Agency Interest (AI #) 20619

Physical Site Location Southeast of intersection of College Drive and Interstate 10 Frontage Rd

Operation Address 2929 College Drive, Baton Rouge, Louisiana

Owner/Responsible Party Address Chevron Environmental Management Company
P. O. Box 4256, Houston, Texas 77210-4256

1. Data Generation

1.A All sample collection was done in accordance to applicable RECAP collection guidelines.
[√] Yes [ ] No

1.B All generated data was obtained using EPA Methodology, RECAP approved methodology (as found in text), or methodology pre-approved by the Department. Any modifications to methodology have been noted, explained and pre-approved by the Department.
[ ] Yes [√] No

1.C All Data are analyte-specific and the identity and concentration are confirmed.
[√] Yes [ ] No

1.D All data were generated by a LDEQ certified laboratory. [√] Yes [ ] No

2. Data Evaluation and Usability

2.A Methods used are appropriate for analyzed constituents:

1. Analysis used is specific for COCs. [√] Yes [ ] No

2. Results are produced with the most appropriate sensitive method. (e.g. not using portable field analytical instruments). [√] Yes [ ] No

2.B Sample Quantitation Limits (SQL)

Note: The SQL is not synonymous with the IDL (instrument detection limit) or the MDL (minimum detection limit). The SQL is derived after considering the effects of dilutions, loss of instrument sensitivity, matrix interferences, and other interferences effecting the lower-end accuracy of analysis, and therefore resulting in the elevation of the method detection limit. The SQL will be the only detection limit considered for comparison to limiting standards.

1. All SQLs are less than reference concentrations (RS or SS). [√] Yes [ ] No
   (If yes, proceed to Section 2C, Qualifiers and Codes).

2. Samples with SQLs greater than the limiting standard are not being reported as non-detected. (If yes, proceed to Item # 3 of this section). [ ] Yes [ ] No

   If the SQL is higher than the limiting standard, and a non-detect is being reported, data may still be considered by the Department if all the below conditions are met:

   (a) The non-detect results make up less than 5-10 percent of a sample set for a considered individual COC.

   (b) The ND is not classified as being from a key sampling location (e.g. drinking water well).

   (c) Documentation provided by a LDEQ accredited laboratory (with supporting evidence) is included in the document demonstrating that a practical quantitation limit was not achievable due to site or sample-specific conditions.

   Have the above three conditions been met? [ ] Yes [ ] No

   Note: If one or more of the above conditions cannot be met, the total (100%) value of the PQL may be reported as a positive detected result.

   Will this option be used and annotated in the Report? [ ] Yes [ ] No

   Note: If all answers in this item are "no," analytical results will be rejected and re-sampling will be required.

3. Are sample results higher than both the PQL and the limiting standard? [ ] Yes [ ] No (If so, results may be used despite elevated PQL).

2.C Qualifiers and Codes

1. All qualifiers and codes for flagged data have been noted on form 3 and supporting documentation has been included in the laboratory information package. [√] Yes [ ] No

2. All data with a qualifier of "R" (unusable data) do not come from critical sample points (if so, resample will be required). [√] Yes [ ] No

3. All data with a qualifier of "J" (estimated concentrations) have been included as positive results. [√] Yes [ ] No

2.D Blank Samples

1. Field and laboratory blanks showed no signs of contamination, and no constituents were detected in blanks. (If no constituents or contaminants were detected, proceed to 2E, Tentatively Identified Compounds). [√] Yes [ ] No

2. Contaminants or constituents found in blanks can be considered common laboratory contaminants as defined by EPA (acetone, 2-butanone, methylene chloride, toluene, or phthalates); and the same contaminants found in site samples are present at quantities less than 10 times the levels found in blanks. (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

3. Contaminants or constituents found in blanks are not considered common laboratory contaminants as defined by EPA; and the same contaminants found in site samples are present at quantities less than 5 times the levels found in blanks (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

2.E Tentatively Identified Compounds (TIC)

All possible TIC have been identified, evaluation is supported with documentation in the text, and information conforms to the requirements as listed in Section 2.5 of the RECAP. [√] Yes [ ] No

2.F Historical Data

1. All quantitative historical data has been reviewed by current QA/QC guidelines, and all applicable supporting information is justified and included in the report. [√] Yes [ ] No

2. All qualitative historical data is verifiable, has not been used quantitatively, and has only been used in the development of a conceptual model. [√] Yes [ ] No

3. Documentation

3.A Laboratory information package assembled as follows [√] Yes [ ] No:

1. Sample documentation (chains of custody, preparation time, time of analysis).
2. Sample and analyte identification and quantification.
3. Determination and documentation of sample quantitation limits (SQLs).
4. Initial and continuing calibration.
5. Performance evaluation samples (external QA or laboratory control samples)
6. Matrix spike recoveries.
7. Analytical error determination (determined with replicate samples).
8. Total measurement error determination summary. (Evaluates overall precision of measurement system from sample acquisition through analysis. Determined with field duplicate and matrix spike with matrix spike duplicate).
9. Explanation and supporting documentation for flagged data.

3.B All methods used in all analysis have produced tangible raw data (e.g. chromatograms, spectra, digital values), and are available to the Department upon request. [√] Yes [ ] No

1. Representative data is included in documentation as examples of method procedures. [√] Yes [ ] No

2. All flagged data is supported with complete associated tangible raw data. (e.g. depiction of matrix interferences, spiked recoveries reported outside of control limits, evidence for need for dilution etc.). [√] Yes [ ] No

Note: Any "no" answer must be explained at the conclusion of this form. Items not applicable should be left unmarked.

4. Submitter Information

Date MAY 2004

Name of Person submitting this evaluation Calvin R. Wiggs, PG

Affiliation Conestoga-Rovers & Associates

Signature Seth Domangue Date 05/07/04

Additional Preparers Seth P. Domangue

APPENDIX E

ECOLOGICAL CHECKLIST

RECAP FORM 18
ECOLOGICAL CHECKLIST

Section 1 - Facility Information

1. Name of facility: Chevron Service Station No. 60109060

2. Location of facility: 2929 College Drive, Baton Rouge, Louisiana

   Parish: East Baton Rouge

3. Mailing address: Chevron Environmental Management Company
   P.O. Box 4256, Houston, Texas 77210-4256

4. Type of facility and/or operations associated with AOC: Active self-service motor fueling retail facility.

5. Name of AOC or AOI: AOC-1 and AOC-2

6. If available, attach a USGS topographic map of the facility and/or aerial or other photographs of the release site and surrounding areas. See Figure 1 and 2 of this report.

Section 2 - Land Use Information

1. Describe land use at and in the vicinity of the AOC/AOI: Heavy Commercial

2. Describe land use adjacent to the facility: The former Chevron Station is located in a commercially developed area (see Section 1.1.2 of the report for additional details).

3. Provide the following information regarding the nearest surface water body which has been impacted or has the potential to be impacted by COC migrating from the AOC/AOC:

   a) Name of the surface water body: Dawson Creek

   b) Type of surface water body

   [√] freshwater river or stream
   [ ] freshwater swamp/marsh/wetland
   [ ] saltwater or brackish swamp/marsh/wetland
   [ ] lake or pond
   [ ] bayou or estuary
   [ ] drainage ditch
   [ ] other:

   c) Designated use of the segment/sub-segment of the surface water body (LAC 33:IX): None

   d) Distance from the AOC/AOI to nearest surface water body: Approximately 1,400 feet

4. Do any potentially sensitive environmental areas exist adjacent to or in proximity to the site, e.g., federal and state parks, national and state monuments, wetlands, etc? [ ] Yes [√] No

If yes, explain:

Section 3 - Release Information

1. Nature of the release: Suspected leaks/seeps from underground storage tank system.

2. Location of the release (within the facility): Dispenser islands northeast and southwest of the station building.

3. Location of the release with respect to the facility property boundaries: Release occurred within the facility property boundaries.

4. Constituents known or suspected have been released: Gasoline hydrocarbon constituents.

5. Indicate which media are known or suspected to be impacted and if sampling data are available:

[√]	soil 0 - 3 feet bgs	[√]	yes	[ ]	no
[√]	soil 0 - 15 feet bgs	[√]	yes	[ ]	no
[ ]	soil >15 feet bgs	[ ]	yes	[√]	no
[√]	groundwater	[√]	yes	[ ]	no
[ ]	surface water/sediment	[ ]	yes	[ ]	no

6. Has migration occurred outside the facility property boundaries? [ ] yes [√] no

If yes, describe the designated use of the offsite land impacted:

Section 4 - Criteria for Further Assessment

If the AOI meets **all** of the criteria presented below, then typically no further ecological evaluation shall be required. If the AOI **does not meet all** of the criteria, then a screening level ecological risk shall be conducted. The Submitter should make the initial decision regarding whether or not a screening level ecological risk assessment is warranted based on compliance of the AOI with criteria listed below. After review of the ecological checklist and other available site information, the Department will make a final determination on the need for a screening level ecological risk assessment. If site conditions at the AOI change such that one or more of the criteria are not met, then a screening level ecological risk assessment shall be conducted. Answers shall be based on current site conditions (i.e., shall not consider future remedial actions or institutional or engineering controls).

Indicate if the AOI meets the following criteria:

(1) The area of impacted soil is approximately 5 acres or less in size (based on the AOI identified for the human health assessment) and it is not expected that the COC will migrate such that the soil AOI becomes greater than 5 acres in size. [√] yes [ ] no

(2) There is no current release or demonstrable long-term threat of release (via runoff or groundwater discharge) of COC from the AOI to a surface water body. [√] yes [ ] no

(3) Recreational species, commercial species, threatened or endangered species, and/or their habitats are not currently being exposed, or expected to be exposed, to COC present at or migrating from the AOI
[√] yes [ ] no

(4) There are no obvious impacts to ecological receptors or their habitats and none are expected in the future.
[√] yes [ ] no

Is further ecological evaluation required at this AOI? [ ] yes [√] no
This determination is subject to Department concurrence.

Section 5 - Site Summary

The ecological checklist submittal shall include a site summary that presents sufficient information to verify that the AOI meets or does not meet the criteria for further assessment.

Section 6 - Submitter Information

Date: May 2004

Name of person submitting this checklist: Calvin R. Wiggs, PG

Affiliation: Conestoga-Rovers & Associates

Signature: Calvin Wiggs Date: 05/06/04

Additional Preparers: Seth P. Domangue

REGISTRATION FOR UNDERGROUND STORAGE TANKS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID AND HAZARDOUS WASTE
UNDERGROUND STORAGE TANK PROGRAM
P.O. BOX 44274 BATON ROUGE, LA 70804-4274

RECEIVED BY
MAY 09 1986
GROUND WATER

STATE USE ONLY

I.D NUMBER	61 002395 75100
DATE RECEIVED	
DATE CHECKED	10/30/86
CHECKED BY	DW

GENERAL INFORMATION

Registration is required by State and Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by the Louisiana Environmental Quality Act, L.R.S. 30:1051 et seq, as amended.

The primary purpose of this registration program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances It is expected that the information you provide will be based on reasonably available records or, in the absence of such records, your knowledge, belief, or recollection

Who Must Register? The Louisiana Environmental Quality Act L R S 30 1051 et seq, as amended, requires that unless exempted, owners of underground tanks that store regulated substances must notify the Louisiana Department of Environmental Quality of the existence of their tanks Owner means—

(a) in the case of an underground storage tank in use on November 8 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances and (2) whose volume (including connected underground piping) is 10% or more beneath the ground Some examples are underground tanks storing 1. gasoline used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants

NOTE: Underground storage tanks of less than 500 gallon capacity, which are required to be registered by the Environmental Protection Agency, shall likewise register with the state; however, these tanks are exempt from Louisiana fees and regulations.

What Tanks Are Excluded? Tanks excluded from Louisiana registration are

1. farm or residential tanks with a capacity of less than 500 gallons used for storing motor fuel for noncommercial purposes,
2. tanks used for storing heating oil for consumptive use on the premises where stored,
3. septic tanks,
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979 or which is an intrastate pipeline facility regulated under State laws,
5. surface impoundments, pits, ponds, or lagoons
6. storm water or waste water collection systems
7. flow-through process tanks,
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations,
9. storage tanks situated in an underground area (such as a basement cellar, mineworking drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor

What Substances Are Covered? The registration requirements apply to underground storage tanks that contain regulated substances This includes 1) any substance defined in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (but not including any substance regulated as a hazardous waste under Subtitle C of the Solid Waste Disposal Act as amended by RCRA), and 2) petroleum including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14 7 pounds per square inch absolute)

Where to Register? Completed registration forms should be sent to the address given at the top of this page

When to Register? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must register by May 8, 1986 2. Owners who bring underground storage tanks into use after May 8, 1986 must register within 30 days of bringing the tanks into use

Registration Fee: The owners of operational or non-operational underground storage tanks containing regulated substances must submit with the registration form the payment of the registration fee for each underground storage tank according to the following schedule

1. For any substance defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (but not including any substance regulated as a hazardous waste under Subtitle C of the Solid Waste Disposal Act as amended by RCRA)—$25 00 per tank
2. For petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14 7 pounds per square inch absolute) —$15 00 per tank

In no case shall one owner be required to pay an aggregate registration fee in excess of one thousand dollars ($1,000 00) In addition to the registration fee, an annual monitoring and maintenance fee is required commencing May 8 1987 in accordance with the regulations

Penalties: Any owner who knowingly fails to register or submits false information shall be subject to a civil penalty not to exceed $25,000 per day for each tank for which registration is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V **This form must be completed for each location containing underground storage tanks.** If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form
Make checks payable to the Louisiana Department of Environmental Quality.

Indicate number of continuation sheets attached: [ ]

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Cracker Barrel Stores, Inc.

Street Address
12221 Industriplex Blvd.

Parish
East Baton Rouge

City: Baton Rouge, State: Louisiana, Zip Code: 70809

Area Code: (504) Phone Number: 293-3200

Type of Owner *(Mark all that apply ☒)*

- ☒ Current
- ☐ Former
- ☐ State or Local Gov't.
- ☐ Federal Gov't. (GSA facility I D. no _____)
- ☒ Private or Corporate
- ☐ Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here ☐)

Facility Name or Company Site Identifier, as applicable
Cracker Barrel Stores, Inc.

Street Address or State Road, as applicable
133 Lobdell Hwy. 415

Parish
West Baton Rouge

City (nearest): Port Allen, State: Louisiana, Zip Code: 70767

Latitude: 30 °(deg) 27 '(min) 31 "(sec.) N
Longitude: 91 °(deg.) 16 '(min.) 05 "(sec) W

Indicate number of tanks at this location: 3

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☐)	Job Title	Area Code	Phone Number
Jack Kirkendoll	Director of Administration	(504)	293-3200

IV. TYPE OF REGISTRATION

☐ Mark Box here only if this is an amended or subsequent registration for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative	Signature	Date Signed
Jack Kirkendoll-Dir. of Administration	Jack Kirkendoll	5/1/86

CONTINUE ON REVERSE SIDE

Owner Name (from Section I) _____ Location (from Section II) _____ Page No. ____ of ____ Pages

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS *(Complete for each tank at this location.)*

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3 . . .)	Tank No. 54	Tank No. 55	Tank No. 56	Tank No.	Tank No.
1. Status of Tank *(Mark all that apply ☒)*	3892	3893	3894		
Currently in Use	☒	☒	☒	☐	☐
Temporarily Out of Use	☐	☐	☐	☐	☐
Permanently Out of Use	☐	☐	☐	☐	☐
Brought into Use after 5/8/86	☐	☐	☐	☐	☐
2. Age (Years)	4	4	4		
3. Total Capacity (Gallons)	10,000	10,000	10,000		
4. Is Tank and/or Piping Leaking? (YES or NO)	No	No	No		
5. Material of Construction *(Mark one ☒)*					
Steel	☒	☒	☒	☐	☐
Concrete	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	_____	_____	_____	_____	_____
6. Internal Protection *(Mark all that apply ☒)*					
Cathodic Protection	☐	☐	☐	☐	☐
Interior Lining (e g . epoxy resins)	☐	☐	☐	☐	☐
None	☐	☐	☐	☐	☐
Unknown	☒	☒	☒	☐	☐
Other, Please Specify	_____	_____	_____	_____	_____
7. External Protection *(Mark all that apply ☒)*					
Cathodic Protection	☐	☐	☐	☐	☐
Painted (e g.. asphaltic)	☒	☒	☒	☐	☐
Fiberglass Reinforced Plastic Coated	☐	☐	☐	☐	☐
None	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	_____	_____	_____	_____	_____
8. Piping *(Mark all that apply ☒)*					
Bare Steel	☐	☐	☐	☐	☐
Galvanized Steel	☒	☒	☒	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Cathodically Protected	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	_____	_____	_____	_____	_____
9. Substance Currently or Last Stored in Greatest Quantity by Volume *(Mark all that apply ☒)*					
a. Empty	☐	☐	☐	☐	☐
b. Petroleum	☒	☒	☒	☐	☐
Diesel	☐	☐	☐	☐	☐
Kerosene	☐	☐	☐	☐	☐
Gasoline (including alcohol blends)	☒	☒	☒	☐	☐
Used Oil	☐	☐	☐	☐	☐
Other, Please Specify	_____	_____	_____	_____	_____
c. Hazardous Substance	☐	☐	☐	☐	☐
Please Indicate Name of Principal CERCLA Substance	_____	_____	_____	_____	_____
OR					
Chemical Abstract Service (CAS) No	_____	_____	_____	_____	_____
Mark box ☒ if tank stores a mixture of substances	☐	☐	☐	☐	☐
d. Unknown	☐	☐	☐	☐	☐
10. Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo /yr)	/	/	/	/	/
b. Estimated quantity of substance remaining (gal.)	_____	_____	_____	_____	_____
c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)	☐	☐	☐	☐	☐
11. Additional Information (for replacement tanks installed after January 1, 1974)					
a. Is the tank currently in use a replacement tank for one previously in use at the same site? (YES or NO)	_____	_____	_____	_____	_____
b. When was the previous tank removed? (mo /yr)	/	/	/	/	/
c. What was the age of the previous tank at time of removal? (years)	/	/	/	/	/
d. Was the tank and/or piping previously removed found to be leaking? (YES or NO)	_____	_____	_____	_____	_____
e. If so, was contamination of the regulated substance removed from the soil and/or ground water? (YES or NO)	_____	_____	_____	_____	_____

UST-REG-02
Revised 12/96

RECEIVED
MAR 31 1997

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK DIVISION

UST-REG-02
Revised 12/96

REGISTRATION OF TECHNICAL REQUIREMENTS FOR USTS

UNDERGROUND STORAGE TANK DIVISION

INSTRUCTIONS: Use ink, and type or print all items except where a signature is required. Forms completed in pencil will not be accepted. A separate form must be completed for each facility/location containing underground storage tanks (USTs). The LDEQ will only accept an ORIGINAL registration form with ORIGINAL signatures. Photocopies and fax copies of the form will not be accepted. If there are more than six tanks at a location, attach another original form with Section IV through Section X completed. If continuation sheets are attached, indicate the number of attached sheets here: ☐

RETURN COMPLETED FORM TO: LDEQ-UST DIVISION, REGISTRATION UNIT, POST OFFICE BOX 82178, BATON ROUGE, LA 70884-2178

FOR QUESTIONS, CALL THE REGISTRATION UNIT AT: (504) 765-0243

NOTE: ALL SECTIONS MUST BE COMPLETED. Registration forms lacking information will be returned. For amended registrations, be sure to include the identification numbers that have been assigned by the LDEQ (CONTACT THE LDEQ IF NECESSARY).

I. GENERAL REGISTRATION INFORMATION

☐ CHECK HERE IF THIS IS A Llate REGISTRATION (i.e., if not filed within 30 days of the tank being put into service)

Your Federal ID # 72-0645812

Facility ID # (ASSIGNED BY LDEQ) 61-002395

Owner ID # (ASSIGNED BY LDEQ) 00075100

REASON FOR REGISTRATION:
- ___ New Tank(s) and New Facility
- ___ Replacement Tank(s)
- ___ Additional Tank(s)
- ✓ Amended (Specify below)
  - ✓ Upgrade
  - ___ Other (Specify)___

STATE USE ONLY
Federal ID# 72-0999270
Date Entered 4 2 97
Data Entry Clerk S.B.
___ Other Information Received

II. OWNER INFORMATION

Owner Name (corporation, individual, public agency, or other entity): CRACKER BARREL STORES, INC.

Mailing Address: 12221 INDUSTRIPLEX BLVD.

City: BATON ROUGE State: LA Zip Code: 70809

Telephone Number (include Area Code): (504) 753-3200

III. FACILITY INFORMATION

All lines must be filled in COMPLETELY.

Facility Name or Company Site Identifier, as applicable: CRACKER BARREL #28

Street Address - physical location (P.O. Box or route # not acceptable): 133 LOBDELL HWY.

City: PORT ALLEN State: LA Zip Code: 70767

Telephone Number (include Area Code): (504) 381-9421

RESERVED FOR STATE USE ONLY

Parish: WEST BATON ROUGE

Number of tanks at this location: 3

Latitude ____DEGREES ____MINUTES ____SECONDS

Longitude ____DEGREES ____MINUTES ____SECONDS

Tank Identification Number (MUST BE ASSIGNED BY LDEQ)	Tank No. 3892	Tank No. 3893	Tank No. 3894	Tank No.	Tank No.	Tank No.
IV. GENERAL TANK INFORMATION						
A. Total Capacity (gal.) - must specify	10,000	10,000	10,000			
B. Substance stored in tank	GASOLINE	GASOLINE	GASOLINE			
V. TANK MATERIAL - Mark all that apply.						
Has tank ever leaked?	Yes___No ✓	Yes___No ✓	Yes___No ✓	Yes___No___	Yes___No___	Yes___No___
If yes, when? (Specify at least year)						
A. Asphalt Coated or Bare Steel	✓	✓	✓			
B. Cathodically Protected Steel						
C. Epoxy Coated Steel						
D. Composite (Steel with Fiberglass)						
E. Fiberglass Reinforced Plastic						
F. Lined Interior						
G. Double Walled						
H. Polyethylene Tank Jacket						
I. Concrete						
J. Excavation Liner						
K. Unknown						
L. Other (Specify)						
VI. PIPING MATERIAL - Mark all that apply.						
A. Bare Steel						
B. Galvanized Steel						
C. Fiberglass Reinforced Plastic	✓	✓	✓			
D. Copper						
E. Cathodically Protected						
F. Double Walled						
G. Secondary Containment						
H. Unknown						
I. Other (Specify)						
VII. PIPING TYPE - Mark all that apply.						
Has piping ever leaked?	Yes___No ✓	Yes___No ✓	Yes___No ✓	Yes___No___	Yes___No___	Yes___No___
If yes, when? (Specify at least year)						
A. Suction: with Release Detection						
B. Suction: without Release Detection						
C. Pressure	✓	✓	✓			
D. Gravity feed						
VIII. SPILL AND OVERFILL PROTECTION						
A. Spill containment (Date installed)	12/97	12/97	12/97	/ /	/ /	/ /
B. Overfill prevention (Date installed)	12/97	12/97	12/97	/ /	/ /	/ /
C. If alternative equipment installed, specify type (LAC 33:XI.303.A.3.b.i.).						
D. If exempt from S & O protection due to 25-gallon transfers, mark here.						

Tank Identification Number (MUST BE ASSIGNED BY LDEQ)	Tank No. 3892	Tank No. 3893	Tank No. 3894	Tank No.	Tank No.	Tank No.

IX. RELEASE DETECTION - Mark all that apply. (Installation of equipment, as indicated by an asterisk [*], must be supervised by a LDEQ-certified installer.)

	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
A. Manual tank gauging	✓		✓		✓							
B. Tank tightness testing	✓		✓		✓							
C. Inventory controls												
D. Line tightness testing		✓		✓		✓						
* E. Automatic tank gauging												
* F. Groundwater monitoring												
* G. Interstitial monitoring - doubled walled												
* H. Interstitial monitoring - secondary containment												
* I. Automatic line leak detectors		✓		✓		✓						
* J. Vapor monitoring												
* K. Other method allowed by the LDEQ (Specify)												

X. CORROSION PROTECTION (for compliance with December 22, 1998 deadline)

A. TANK - Date of installation/upgrade	12/97		12/97		12/97		/ /		/ /		/ /	
B. PIPING - Date of installation/upgrade	/ /		/ /		/ /		/ /		/ /		/ /	
C. Fiberglass-reinforced plastic												
D. Steel-fiberglass-reinforced-plastic composite tank												
E. Corrosion expert has determined leak due to corrosion will not occur												
F. Dielectric coating												
G. Impressed Current												
H. Cathodic Protection												
I. Interior Lining in tank	✓		✓		✓							
J. Combination of Interior Lining and Cathodic Protection for tank												
K. Other method allowed by the LDEQ (Specify)												

XI. LDEQ-CERTIFIED WORKER INFORMATION - Complete if this is an installation/upgrade performed on/after Jan. 20, 1992. (AFTER *JAN. 20, 1992, A CERTIFIED WORKER MUST BE PRESENT AND SUPERVISE THE CRITICAL JUNCTURES [AS DEFINED BY LAC 33:XI.1303] FOR INSTALLATIONS/UPGRADES.*)

Certificate Number of LDEQ-Certified Worker	Name of LDEQ-Certified Worker (Print or Type)	Name of LDEQ-Certified Worker's Employer (Print or Type)
LRC-0090	R.L. HALL	R.L. HALL & ASSOCIATES, INC.

XII. CERTIFICATION BY THE LDEQ-CERTIFIED WORKER FOR INSTALLATIONS PERFORMED ON OR AFTER JANUARY 20, 1992
The LDEQ-certified worker must complete this section by signing and dating, if this is an INSTALLATION performed on or after January 20, 1992.

CERTIFICATION OF INSTALLATION COMPLIANCE
I certify, under penalty of law, that the methods used to install this UST system(s) complies with a code of practice developed by a nationally recognized association or independent testing laboratory and in accordance with the manufacturer's instructions and the UST regulations.

R.L. Hall — Signature of LDEQ-Certified Worker (OWNER'S SIGNATURE NOT ACCEPTABLE)
3/24/97 — Date

XIII. CERTIFICATION BY THE OWNER FOR INSTALLATIONS AND UPGRADES PERFORMED ON OR AFTER DECEMBER 23, 1988
Owners must complete the top certification (A) for *installations*. Owners must complete the bottom certification (B) for *upgrades*

A. CERTIFICATION OF *INSTALLATION* COMPLIANCE
I certify, under penalty of law, that the methods used to install this UST system(s) complies with a code of practice developed by a nationally recognized association or independent testing laboratory and in accordance with the manufacturer's instructions and the UST regulations.

FURTHER CERTIFICATION OF INSTALLATION COMPLIANCE - Required for installations performed between Dec. 23, 1988, and Jan. 20, 1992.
I certify, under penalty of law, that at least one of the following methods of certification, testing, or inspection was used to demonstrate compliance.

N/A

CHECK ALL THAT APPLY:
___ Installer was certified by tank and/or piping manufacturers
___ Installation was inspected and certified by a registered engineer w/education and experience in UST system installations
___ The installation was inspected and approved by the LDEQ (documentation required)
___ Manufacturers' installation checklists were completed
___ Another method allowed by LDEQ was used (Specify) _____

CERTIFICATION OF CORROSION PROTECTION COMPLIANCE - Required for installations performed on/after Dec. 23, 1988.
I certify, under penalty of law, that I have met the corrosion protection requirements in accordance with the UST regulations of LAC 33:XI.303.A.1-2

Signature of Owner or Authorized Employee (CONTRACTOR'S SIGNATURE NOT ACCEPTABLE) — Date

B. CERTIFICATION OF *UPGRADE* COMPLIANCE
I certify, under penalty of law, that I have met the upgrade requirements in accordance with the UST regulations of LAC 33:XI.303.B.

Jim Bickley — Signature of Owner or Authorized Employee (CONTRACTOR'S SIGNATURE NOT ACCEPTABLE)
3/27/97 — Date

XIV. CERTIFICATION BY THE OWNER FOR ALL INSTALLATIONS AND UPGRADES REGARDLESS OF THE DATE

CERTIFICATION OF RELEASE DETECTION COMPLIANCE
I certify, under penalty of law, that I have met the release detection requirements in accordance with the UST regulations of LAC 33:XI.703.A-C.

CERTIFICATION OF TRUENESS, ACCURACY, AND COMPLETENESS OF INFORMATION
I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Jim Bickley — Signature of Owner or Authorized Employee (CONTRACTOR'S SIGNATURE NOT ACCEPTABLE)
3/27/97 — Date

JIM BICKLEY — Name of Person Signing Form (Print or Type)
Dir Gas Mkt — Official Title

NOTE: A current copy of the registration form must be kept on-site or at the nearest staffed facility.

RECEIVED

SEP 0 8 1997

UST-REG-02
Revised 12/96

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK DIVISION

UNDERGROUND STORAGE TANK DIVISION

UST-REG-02
Revised 12/96

REGISTRATION OF TECHNICAL REQUIREMENTS FOR USTS

INSTRUCTIONS: Use ink, and type or print all items except where a signature is required. Forms completed in pencil will not be accepted. A separate form must be completed for each facility/location containing underground storage tanks (USTs). The LDEQ will only accept an ORIGINAL registration form with ORIGINAL signatures. Photocopies and fax copies of the form will not be accepted. If there are more than six tanks at a location, attach another original form with Section IV through Section X completed. If continuation sheets are attached, indicate the number of attached sheets here: ☐

RETURN COMPLETED FORM TO: LDEQ-UST DIVISION, REGISTRATION UNIT, POST OFFICE BOX 82178, BATON ROUGE, LA 70884-2178

FOR QUESTIONS, CALL THE REGISTRATION UNIT AT: (504) 765-0243

NOTE: ALL SECTIONS MUST BE COMPLETED. Registration forms lacking information will be returned. For amended registrations, be sure to include the identification numbers that have been assigned by the LDEQ (CONTACT THE LDEQ IF NECESSARY).

I. GENERAL REGISTRATION INFORMATION

☐ CHECK HERE IF THIS IS A Llate REGISTRATION (i.e., if not filed within 30 days of the tank being put into service)

Your Federal ID # 72-0645812

Facility ID # (ASSIGNED BY LDEQ) 61-002395

Owner ID # (ASSIGNED BY LDEQ) 00075100

REASON FOR REGISTRATION:
- ___ New Tank(s) and New Facility
- ___ Replacement Tank(s)
- ___ Additional Tank(s)
- ✓ Amended (Specify below)
  - ✓ Upgrade
  - ___ Other (Specify)___

STATE USE ONLY
Federal ID# 72-0999270
Date Entered 9/8/97
Data Entry Clerk 7
___Other Information Received

II. OWNER INFORMATION

Owner Name (corporation, individual, public agency, or other entity): CRACKER BARREL STORES, INC.

Mailing Address: 12221 INDUSTRIPLEX BLVD.

City: BATON ROUGE State: LA Zip Code: 70809

Telephone Number (include Area Code): (504) 753-3200

III. FACILITY INFORMATION

All lines must be filled in COMPLETELY.

Facility Name or Company Site Identifier, as applicable: CRACKER BARREL # 28

Street Address - physical location (P.O. Box or route # not acceptable): 133 LOBDELL HWY. 415

City: PORT ALLEN State: LA Zip Code: 70767

Telephone Number (include Area Code): (504) 381-9421

RESERVED FOR STATE USE ONLY

Parish: WEST BATON ROUGE

Number of tanks at this location: 3

Latitude ____DEGREES ____MINUTES ____SECONDS

Longitude ____DEGREES ____MINUTES ____SECONDS

Tank Identification Number (MUST BE ASSIGNED BY LDEQ)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
IV. GENERAL TANK INFORMATION						
A. Total Capacity (gal.) - must specify	10,000	10,000	10,000			
B. Substance stored in tank	GASOLINE	GASOLINE	GASOLINE			
V. TANK MATERIAL - Mark all that apply.						
Has tank ever leaked?	Yes___No ✓	Yes___No ✓	Yes___No ✓	Yes___No___	Yes___No___	Yes___No___
If yes, when? (Specify at least year)						
A. Asphalt Coated or Bare Steel	✓	✓	✓			
B. Cathodically Protected Steel						
C. Epoxy Coated Steel						
D. Composite (Steel with Fiberglass)						
E. Fiberglass Reinforced Plastic						
F. Lined Interior	✓	✓	✓			
G. Double Walled						
H. Polyethylene Tank Jacket						
I. Concrete						
J. Excavation Liner						
K. Unknown						
L. Other (Specify)						
VI. PIPING MATERIAL - Mark all that apply.						
A. Bare Steel						
B. Galvanized Steel						
C. Fiberglass Reinforced Plastic	✓	✓	✓			
D. Copper						
E. Cathodically Protected						
F. Double Walled						
G. Secondary Containment						
H. Unknown						
I. Other (Specify)						
VII. PIPING TYPE - Mark all that apply.						
Has piping ever leaked?	Yes___No ✓	Yes___No ✓	Yes___No ✓	Yes___No___	Yes___No___	Yes___No___
If yes, when? (Specify at least year)						
A. Suction: with Release Detection						
B. Suction: without Release Detection						
C. Pressure	✓	✓	✓			
D. Gravity feed						
VIII. SPILL AND OVERFILL PROTECTION						
A. Spill containment (Date installed)	2/1 197	2/1 197	2/1 197	/ /	/ /	/ /
B. Overfill prevention (Date installed)	2/1 197	2/1 197	2/1 197	/ /	/ /	/ /
C. If alternative equipment installed, specify type (LAC 33:XI.303.A.3.b i.)						
D. If exempt from S & O protection due to 25-gallon transfers, mark here.						

Tank Identification Number (MUST BE ASSIGNED BY LDEQ)	Tank No.		Tank No.		Tank No.		Tank No.		Tank No.		Tank No.	
IX. RELEASE DETECTION - Mark all that apply. (Installation of equipment, as indicated by an asterisk [*], must be supervised by a LDEQ-certified installer.)	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
A. Manual tank gauging	✓	X	✓	X	✓	X		X		X		X
B. Tank tightness testing	✓	X	✓	X	✓	X		X		X		X
C. Inventory controls	✓	X	✓	X	✓	X		X		X		X
D. Line tightness testing	X	✓	X	✓	X	✓	X		X		X	
* E. Automatic tank gauging		X		X		X		X		X		X
* F. Groundwater monitoring												
* G. Interstitial monitoring - doubled walled												
* H. Interstitial monitoring - secondary containment						✓						
* I. Automatic line leak detectors	X	✓	X	✓	X	✓	X		X		X	
* J. Vapor monitoring												
* K. Other method allowed by the LDEQ (Specify)												
X. CORROSION PROTECTION (for compliance with December 22, 1998 deadline)												
A. TANK - Date of installation/upgrade	2/ 97		2/ 97		2/ 97		/ /		/ /		/ /	
B. PIPING - Date of installation/upgrade	/ /		/ /		/ /		/ /		/ /		/ /	
C. Fiberglass-reinforced plastic												
D. Steel-fiberglass-reinforced-plastic composite tank		X		X		X		X		X		X
E. Corrosion expert has determined leak due to corrosion will not occur												
F. Dielectric coating												
G. Impressed Current												
H. Cathodic Protection												
I. Interior Lining in tank	✓	X	✓	X	✓	X		X		X		X
J. Combination of Interior Lining and Cathodic Protection for tank		X		X		X		X		X		X
K. Other method allowed by the LDEQ (Specify)												

XI. LDEQ-CERTIFIED WORKER INFORMATION - Complete if this is an installation/upgrade performed on/after Jan. 20, 1992. *(AFTER JAN. 20, 1992, A CERTIFIED WORKER MUST BE PRESENT AND SUPERVISE THE CRITICAL JUNCTURES [AS DEFINED BY LAC 33:XI.1303] FOR INSTALLATIONS/UPGRADES.)*

IRC-0090	RANDY HALL	R.L. HALL & ASSOCIATES, INC.
Certificate Number of LDEQ-Certified Worker	Name of LDEQ-Certified Worker (Print or Type)	Name of LDEQ-Certified Worker's Employer (Print or Type)

XII. CERTIFICATION BY THE LDEQ-CERTIFIED WORKER FOR INSTALLATIONS PERFORMED ON OR AFTER JANUARY 20, 1992
The LDEQ-certified worker must complete this section by signing and dating, if this is an INSTALLATION performed on or after January 20, 1992.

CERTIFICATION OF INSTALLATION COMPLIANCE
I certify, under penalty of law, that the methods used to install this UST system(s) complies with a code of practice developed by a nationally recognized association or independent testing laboratory and in accordance with the manufacturer's instructions and the UST regulations.

R L Hall		8/20/97
Signature of LDEQ-Certified Worker	(OWNER'S SIGNATURE NOT ACCEPTABLE)	Date

XIII. CERTIFICATION BY THE OWNER FOR INSTALLATIONS AND UPGRADES PERFORMED ON OR AFTER DECEMBER 23, 1988
Owners must complete the top certification (A) for *installations*. Owners must complete the bottom certification (B) for *upgrades*.

A. CERTIFICATION OF *INSTALLATION* COMPLIANCE
I certify, under penalty of law, that the methods used to install this UST system(s) complies with a code of practice developed by a nationally recognized association or independent testing laboratory and in accordance with the manufacturer's instructions and the UST regulations.

FURTHER CERTIFICATION OF INSTALLATION COMPLIANCE - Required for installations performed between Dec. 23, 1988, and Jan. 20, 1992.
I certify, under penalty of law, that at least one of the following methods of certification, testing, or inspection was used to demonstrate compliance.

CHECK ALL THAT APPLY:
- ___ Installer was certified by tank and/or piping manufacturers
- ___ Installation was inspected and certified by a registered engineer w/education and experience in UST system installations
- ___ The installation was inspected and approved by the LDEQ (documentation required)
- ___ Manufacturers' installation checklists were completed
- ___ Another method allowed by LDEQ was used (Specify) _____

CERTIFICATION OF CORROSION PROTECTION COMPLIANCE - Required for installations performed on/after Dec. 23, 1988.
I certify, under penalty of law, that I have met the corrosion protection requirements in accordance with the UST regulations of LAC 33:XI.303.A.1-2.

Jim Bickley		9/2/97
Signature of Owner or Authorized Employee	(CONTRACTOR'S SIGNATURE NOT ACCEPTABLE)	Date

B. CERTIFICATION OF *UPGRADE* COMPLIANCE
I certify, under penalty of law, that I have met the upgrade requirements in accordance with the UST regulations of LAC 33:XI.303.B.

Jim Bickley		9/2/97
Signature of Owner or Authorized Employee	(CONTRACTOR'S SIGNATURE NOT ACCEPTABLE)	Date

XIV. CERTIFICATION BY THE OWNER FOR ALL INSTALLATIONS AND UPGRADES REGARDLESS OF THE DATE

CERTIFICATION OF RELEASE DETECTION COMPLIANCE
I certify, under penalty of law, that I have met the release detection requirements in accordance with the UST regulations of LAC 33:XI.703 A-C.

CERTIFICATION OF TRUENESS, ACCURACY, AND COMPLETENESS OF INFORMATION
I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Jim Bickley		9/2/97
Signature of Owner or Authorized Employee	(CONTRACTOR'S SIGNATURE NOT ACCEPTABLE)	Date
JIM BICKLEY		Vice Pres. Mkt
Name of Person Signing Form	(Print or Type)	Official Title

NOTE: A current copy of the registration form must be kept on-site or at the nearest staffed facility.

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT

FACILITY ID # _____ SPILL LOG # _____

INSPECTION DATE 7/19/90

1. Facility Cracker Barrel #28
2. Street Hwy 415
3. City Port Allen La.
4. Zip 70767
5. Parish W Baton Rouge
6. Telephone 381-9421

7. Owner Cracker Barrel, Inc
8. Street Industriplex
9. City Baton Rouge La
10. Owner Phone 293-3200

Responsible Party Information for leaking tanks

11. [✓] Responsible Party Identified
12. [ ] Incapable

Responsible Party Search
13. [ ] failed 14. [ ] Incomplete

Field Investigation

15. [✓] INITIAL
16. [ ] FOLLOW-UP
17. [ ] CLOSURE (No leak)

18. [ ] Leaking Tank
19. [ ] Petroleum
20. [ ] Hazardous

21. [ ] Other _____

Clean-up Actions Taken

(Check blocks in this section only if one of the following applies 1) vapor recovery wells installed, 2) excavating earth, 3) free product on g.w. being remediated)

22. [ ] Clean-up Started 23. [ ] Clean-up Underway 24. [ ] Clean-up Complete
25. [ ] Responsible Party Lead 26. [ ] State Lead

Responses to Suspected UST Releases
(complete this section only on initial investigation)

27. [✓] Emergency Response
28. [ ] Complaint
29. [ ] Owner/Operator Notification
30. [ ] Other _____

31. [✓] Release ~~Confirmed~~
32. [ ] Petroleum
33. [ ] Hazardous
34. [✓] Amt released 5-6 gal (gallons)

5-6 gal. of gas were spilled when motorist hit gas pump. A line of something cracked below unleaded pump. Raymond Pylant is coming to fix pump. Absorbent material was spread over parking lot to pick up gas. The gas below pump was dipped out & put in bucket. Rick Johnson (emergency response) OK'd the disposal of absorbent material.

Person Interviewed Bruce Taylor
Report By: Dana Lee Stalls (signature)

Inspector(s):

WHITE - Main Office, YELLOW - Tech Services, PINK - Region

File 1 Dennis

State of Louisiana

Department of Environmental Quality

BUDDY ROEMER
Governor

PAUL TEMPLET
Secretary

August 7, 1991

Mr. Frank Sadler
Cracker Barrel Stores, Inc.
1221 Industriplex Blvd.
Baton Rouge, LA 70809

RE: Termination of Remediation
Cracker Barrel Store No. 28
La. 415, 133 Lobdell
Port Allen, LA
(West Baton Rouge Parish)
FAC #61-002395
Incident #90-2-146

61-002395

Dear Mr. Sadler:

We are in receipt of your documentation dated July 23, 1990, regarding the above referenced incident. Thank you for sending us this information.

Based upon your data, we have no need at this time for further assessment or remediation to be conducted at the site in relation to this incident.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Dennis D. Strickland at (504) 925-4519.

Sincerely,

Frank L. Dautriel/DDS

Frank L. Dautriel, Program Manager
Underground Storage Tank Division

FLD:DDS\tb

ENGINEERING
ASSOCIATES, INC.
CONSULTING ENGINEERS
CIVIL • ENVIRONMENTAL • LAND SURVEYING

August 14, 2007

Project No. 26035

Mr. Steve Chustz
Louisiana Department of Environmental Quality
P.O. Box 4314
Baton Rouge, LA 70821-4314

Cracker Barrel Store No. 28
133 Lobdell Highway
Port Allen, Louisiana
A.I. No. 74892

Dear Mr. Chustz:

Submitted herewith please find a completed "Underground Storage Tank Closure/Assessment Form" and "Site Drawing Form" for the captioned site. Also attached are two copies of the rinse water disposal manifest, tank disposal receipts, and laboratory analysis report associated with this site. This submittal is on behalf of our client, North American Financial Group (dba Cracker Barrel Stores, Inc.).

As shown on the attached form, three USTs were removed from the captioned site on June 21, 2007. Confirmatory sample analysis results collected at the site indicate that all constituent concentrations are below RECAP Table 1 Screening Standards.

We appreciate your assistance in this matter. Should you have any questions or require additional information, please give us a call.

Sincerely,

ENGINEERING ASSOCIATES, INC.

Stephen J. Burnham, P.E.
President

c w/encl Mr. Ryan Wooten, Cracker Barrel Stores, Inc.
Mr. Jim Bickley, Cracker Barrel Stores, Inc. (letter only)

C:\08-07\26035\chustz.081407

STATE OF LOUISIANA
UNDERGROUND STORAGE TANK CLOSURE/ASSESSMENT FORM – PLEASE TYPE

Please complete and return within sixty (60) days after UST system closure or change-in-service

Return to: LDEQ-SURVEILLANCE DIVISION
P.O. Box 4312
Baton Rouge, LA 70821-4312
Questions: (225) 219-3615

DEQ Facility Number: AI # 74892
DEQ Owner ID Number: 00075100

I. OWNERSHIP OF TANKS

IF OWNER'S ADDRESS CHANGED, PLEASE CHECK ☐

Cracker Barrel Stores, Inc.
OWNER NAME (CORPORATION/INDIVIDUAL, ETC.)

12221 Industriplex Blvd.
MAILING ADDRESS

Baton Rouge LA 70809
CITY STATE ZIP

East Baton Rouge
PARISH/COUNTY

(225) 753-3200
TELEPHONE (INCLUDE AREA CODE)

Jim Bickley
NAME OF CONTACT PERSON

II. LOCATION OF TANKS

IF SAME AS SECTION I, PLEASE CHECK ☐

Cracker Barrel Store No. 28
FACILITY NAME OR COMPANY SITE IDENTIFIER

133 Lobdell Highway
STREET ADDRESS (P. O. BOX NOT ACCEPTABLE)

Port Allen LA 70767
CITY STATE ZIP

West Baton Rouge
PARISH

( ) N/A
TELEPHONE (INCLUDE AREA CODE)

N/A
CONTACT PERSON AT THIS LOCATION

III. TANK INFORMATION (Attach Continuation Sheets If Necessary)

DEQ ASSIGNED TANK NUMBERS	SIZE OF TANKS (GALLONS)	PRODUCT LAST STORED IN TANK	CHOOSE ONE PER TANK 1 = Removed 2 = Closed-in-Place 3 = Change-in-Service[1] 4 = Removed & Replaced[2]	TANK PROPERLY LABELED? CIRCLE		HIGHEST LEL OR OXYGEN READING[3] LEL[4]	Oxygen	DATE OF CLOSURE OR CHANGE-IN-SERVICE
3892	10,000	gasoline	1	(Y)	N	0		06/21/07
3893	10,000	gasoline	1	(Y)	N	0		06/21/07
3894	10,000	diesel fuel	1	(Y)	N	0		06/21/07
				Y	N			/ /
				Y	N			/ /

1 - Indicate the non-regulated substance to be stored in the tank.
2 - A registration form addressing the replacement tank must be completed.
3 - Highest reading recorded just before tank removed from excavation.
4 - Lower Explosive Limit

IV. TANK	V. TANK SLUDGES	VI. TANK WATERS/WASHWATERS
A. Date cleaned 06/21-22/07	A. Date disposed/recycled / /	A. Date disposed/recycled 06/22/07
B. Date disposed/recycled 06/22/07	B. Volume removed cu/yds	B. Volume removed 207 gals
C. Name of disposal site/recycling site Louisiana Scrap Metal Rec.	C. Name of disposal site N/A	C. Name of disposal/recycling site Gator Environmental

VII. CONTAMINATED SOIL		VIII. CONTAMINATED GROUNDWATER	
A. Date removed / /	D. Date disposed / /	A. Date removed / /	D. Date disposed / /
B. Volume of soil removed N/A cu/yds		B. Volume of groundwater removed N/A gals	
C. Name of disposal site		C. Name of disposal site/recycler	

IX. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Jim Bickley, President
Cracker Barrel Stores Inc.
PRINT OR TYPE OWNER'S NAME — OWNER'S SIGNATURE — DATE: 8/8/07

Steve Burnham / Tom B Smith
PRINT OR TYPE NAME OF CERTIFIED WORKER — SIGNATURE OF CERTIFIED UST WORKER — C-0444 / IRC0016 — CERTIFICATE NO. — DATE: 8/8/07

FORMS THAT DO NOT INCLUDE THE OWNER'S AND UST WORKER'S SIGNATURES WILL BE REJECTED.

LDEQ RESPONSE - DO NOT WRITE BELOW THIS LINE

☐ DEQ AI No. 74892
☑ UST system removed from database; no further action required at this time.
☐ Referred for remediation review.
☐ UST system removed from database; additional information required. _____

Signature of LDEQ Representative: Kyle B. Orchard — Telephone No.: 225-219-3427 — Date: 8/22/07 — Supervisor's Initials: JL

INSTRUCTIONS

Within **SIXTY DAYS** after completing a UST closure or change-in-service, this form along with **two copies** of the following must be provided to the Surveillance Division:

1. site drawing;
2. analytical results with chain-of-custody documents; and
3. copies of all manifests, bills of lading or receipts for the disposition of tank(s), tank contents, soil and waters.

All applicable information required on the form must be addressed. Forms that are incomplete may be rejected.

Please **PRINT** clearly (press hard, as you are making four copies). After completion, the owner is to forward all copies of the form to:

LDEQ-SURVEILLANCE DIVISION
P.O. Box 4312
Baton Rouge, LA 70821-4312

The Surveillance Division will distribute the remaining copies of the form as follows:

1. Original (White) - Surv. Div. Main Office File
2. Pink - DEQ REgional Office File
3. Goldenrod - Permits Div. Registration Files
4. Blue - UST Owner (After DEQ Processing)

PROCEDURES TO BE FOLLOWED

The procedures which must be followed when performing a UST closure or change-in-service are provided in the "Underground Storage Tank Closure/Change-in-Service Assessment Guidelines." To obtain a copy of this document call the Surveillance Division at (225) 219-3615 or write to the address noted above, or on our website at www.ldeq.org.

NOTICE

Chapter 13 of the UST Regulations requires that owners of USTs ensure that the contractor chosen to perform the UST closure/change-in-service employs an individual who holds a current Louisiana DEQ certificate for closure. The certified person must be present at the site and exercising responsible supervisory control during the closure/change-in-service process. A list of contractors who employ DEQ certified workers can be obtained from the Permits Division, Certifications Section, at (225) 219-3029 or (225) 219-3031 or on our website at www.ldeq.org.

APPENDIX A

SITE DRAWING FORM

APPENDIX H
SURVEILLANCE DIVISION

UST-ENF-06
01/30/99

SITE DRAWING FORM

Revised

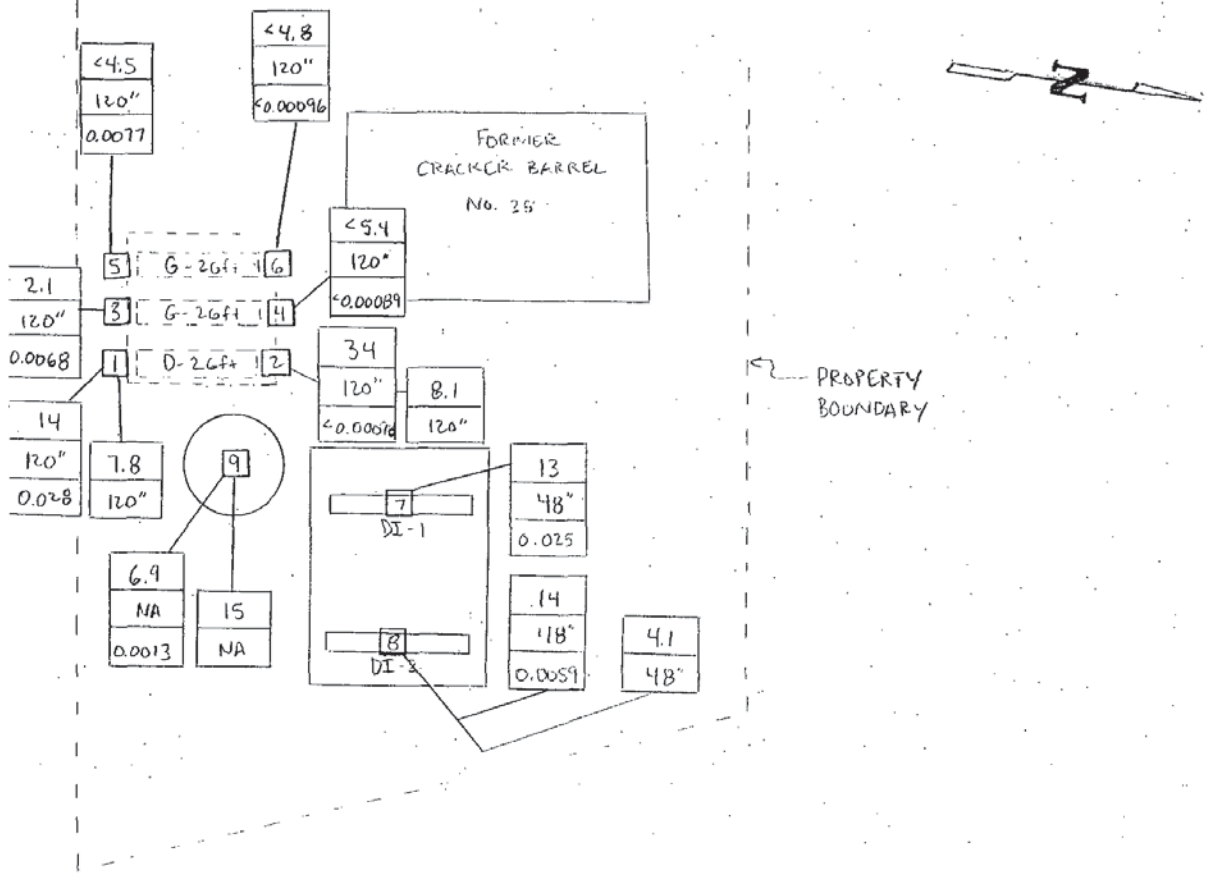
Name of Facility: Cracker Barrel No. 28 Facility Identification No. AI # 74892

Total Number of Samples Collected: 9

North

Approximate Scale (in feet)

0 30 60



LA HWY 415

Results of TPH-ORO (ppm)
Depth of Sample

Results of TPH-GRO (ppm)
* Depth of Sample (inches)
Results of Benzene (ppm)

Results of TPH-DRO (ppm)
* Depth of Sample (inches)

Removed UST
Closed-In-Place UST
Tank Hold Area

D – __ft: Tank Contained Diesel and Length of tank
G – __ft. Tank Contained Gasoline and Length of tank
UO – __ft: Tank Contained Used Oil and Length of tank

Excavated Soils to be Returned to Hole

Indicates Assigned Sample Number and Sample Location
Groundwater NOT Encountered During Sampling

Indicates Assigned Sample Number and Sample Location
Groundwater Encountered During Sampling

Dispenser Island
Dispenser

APPENDIX B

LABORATORY ANALYSIS REPORTS

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

26035

Case Narrative for:

ENGINEERING ASSOCIATES, INC

Certificate of Analysis Number:

07060929

Report To:		Project Name:	CB NO. 28/26035
ENGINEERING ASSOCIATES, INC		Site:	CRACKER BARREL #28
STEVE BURNHAM		Site Address:	
1415 DELPLAZA DRIVE, SUITE B			PORT ALLEN LA
BATON ROUGE		PO Number:	
LA		State:	Louisiana
70815-		State Cert. No.:	02048
ph: (225)926-2025	fax: (225)926-2033	Date Reported:	7/5/2007

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

EXCEPTIONS:
Volatile Organics-Method 8260B: There is no reportable data for sample T-2-S. The sample submitted preserved in methanol was not usable as the septum was compromised upon receipt by laboratory. The low level analysis using the sodium bisulfate preserved container was not reportable. The BTEX+MTBE data was reported using method 8021B.

Polynuclear Aromatic Hydrocarbons-Method 8270C: Lab batch 60448-The recovery of the surrogate 2-Fluorobiphenyl in the LCSD sample exceeded the upper laboratory control limit.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: 11 PAGES

Amy K. Jackson
Project Manager

7/5/2007
Date

Test results meet all requirements of NELAC, unless specified in the narrative.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

ENGINEERING ASSOCIATES, INC

Certificate of Analysis Number:

07060929

Report To: ENGINEERING ASSOCIATES, INC
STEVE BURNHAM
1415 DELPLAZA DRIVE, SUITE B

BATON ROUGE
LA
70815-
ph: (225)926-2025 fax: (225)926-2033

Fax To: ENGINEERING ASSOCIATES, INC
STEVE BURNHAM fax: (225)926-2033

Project Name: CB NO. 28/26035
Site: CRACKER BARREL #28
Site Address:

PORT ALLEN LA

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 7/5/2007

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
T-1-N	07060929-01	Soil	6/21/2007 6:00:00 PM	6/22/2007 4:00:00 PM	260518	☐
T-1-S	07060929-02	Soil	6/21/2007 6:00:00 PM	6/22/2007 4:00:00 PM	260518	☐
T-2-S	07060929-03	Soil	6/21/2007 6:10:00 PM	6/22/2007 4:00:00 PM	260518	☐
T-2-N	07060929-04	Soil	6/21/2007 6:20:00 PM	6/22/2007 4:00:00 PM	260518	☐
T-3-N	07060929-05	Soil	6/21/2007 6:25:00 PM	6/22/2007 4:00:00 PM	260518	☐
T-3-S	07060929-06	Soil	6/21/2007 6:35:00 PM	6/22/2007 4:00:00 PM	260518	☐
BACKFILL	07060929-07	Soil	6/21/2007 6:40:00 PM	6/22/2007 4:00:00 PM	260518	☐

Amy K. Jackson
Project Manager

7/5/2007
Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Thursday, July 05, 2007

*****SUMMARY REPORT*****

Company: ENGINEERING ASSOCIATES, INC
Project: CB NO. 28/26035
Site: CRACKER BARREL #28

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
07060929-01A	Soil	T-1-N	6/21/2007 6:00:00 PM	Benzene	ND	0.98 ug/Kg	SW8260B
				Toluene	2.6	0.98 ug/Kg	SW8260B
				Ethylbenzene	ND	0.98 ug/Kg	SW8260B
				Xylenes,Total	5.8	0.98 ug/Kg	SW8260B
				Methyl tert-butyl ether	ND	0.98 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	34	4.7 mg/Kg	SW8015B
				m,p-Xylene	4.4	2 ug/Kg	SW8260B
				o-Xylene	1.4	0.98 ug/Kg	SW8260B
07060929-01B	Soil	T-1-N	6/21/2007 6:00:00 PM	Naphthalene	0.13	0.033 mg/Kg	SW8270C
				Lead	14.7	1 mg/Kg	SW6010B
				Diesel Range Organics (C10-C28)	8.1	3.3 mg/Kg	SW8015B
				2-Methylnaphthalene	0.28	0.033 mg/Kg	SW8270C
				Acenaphthene	ND	0.033 mg/Kg	SW8270C
				Acenaphthylene	ND	0.033 mg/Kg	SW8270C
				Anthracene	ND	0.033 mg/Kg	SW8270C
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270C
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270C
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270C
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270C
				Chrysene	ND	0.033 mg/Kg	SW8270C
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270C
				Fluoranthene	ND	0.033 mg/Kg	SW8270C
				Fluorene	ND	0.033 mg/Kg	SW8270C
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270C
				Phenanthrene	ND	0.033 mg/Kg	SW8270C
				Pyrene	ND	0.033 mg/Kg	SW8270C
07060929-02A	Soil	T-1-S	6/21/2007 6:00:00 PM	Benzene	28	1.1 ug/Kg	SW8260B
				Toluene	8.2	1.1 ug/Kg	SW8260B
				Ethylbenzene	65	1.1 ug/Kg	SW8260B
				Xylenes,Total	16	1.1 ug/Kg	SW8260B
				Methyl tert-butyl ether	ND	1.1 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	14	5.2 mg/Kg	SW8015B
				m,p-Xylene	14	2.2 ug/Kg	SW8260B
				o-Xylene	2	1.1 ug/Kg	SW8260B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Thursday, July 05, 2007

*****SUMMARY REPORT*****

Company: ENGINEERING ASSOCIATES, INC **Project: CB NO. 28/26035**

Site: CRACKER BARREL #28

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
07060929-02B	Soil	T-1-S	6/21/2007 6:00:00 PM	Naphthalene	0.39	0.033 mg/Kg	SW8270C
				Lead	9.5	1 mg/Kg	SW6010B
				Diesel Range Organics (C10-C28)	7.8	3.3 mg/Kg	SW8015B
				2-Methylnaphthalene	0.39	0.033 mg/Kg	SW8270C
				Acenaphthene	ND	0.033 mg/Kg	SW8270C
				Acenaphthylene	ND	0.033 mg/Kg	SW8270C
				Anthracene	ND	0.033 mg/Kg	SW8270C
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270C
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270C
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270C
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270C
				Chrysene	ND	0.033 mg/Kg	SW8270C
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270C
				Fluoranthene	ND	0.033 mg/Kg	SW8270C
				Fluorene	ND	0.033 mg/Kg	SW8270C
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270C
				Phenanthrene	ND	0.033 mg/Kg	SW8270C
				Pyrene	ND	0.033 mg/Kg	SW8270C
07060929-03A	Soil	T-2-S	6/21/2007 6:10:00 PM	Benzene	0.0068	0.00093 mg/K	SW8021B
				Toluene	0.0036	0.00093 mg/K	SW8021B
				Ethylbenzene	0.0063	0.00093 mg/K	SW8021B
				Xylenes,Total	0.0083	0.00093 mg/K	SW8021B
				Methyl tert-butyl ether	0.0086	0.0074 mg/Kg	SW8021B
				Gasoline Range Organics (C6-C10)	2.1	0.093 mg/Kg	SW8015B
				m,p-Xylene	0.0049	0.0019 mg/Kg	SW8021B
				o-Xylene	0.0034	0.00093 mg/K	SW8021B
07060929-03B	Soil	T-2-S	6/21/2007 6:10:00 PM	Lead	30.3	1 mg/Kg	SW6010B
07060929-04A	Soil	T-2-N	6/21/2007 6:20:00 PM	Benzene	ND	0.89 ug/Kg	SW8260B
				Toluene	ND	0.89 ug/Kg	SW8260B
				Ethylbenzene	ND	0.89 ug/Kg	SW8260B
				Xylenes,Total	ND	0.893 ug/Kg	SW8260B
				Methyl tert-butyl ether	ND	0.89 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	ND	5.4 mg/Kg	SW8015B
				m,p-Xylene	ND	1.8 ug/Kg	SW8260B
				o-Xylene	ND	0.89 ug/Kg	SW8260B
07060929-04B	Soil	T-2-N	6/21/2007 6:20:00 PM	Lead	10.3	1 mg/Kg	SW6010B

Qualifiers:

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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Thursday, July 05, 2007

*****SUMMARY REPORT*****

Company: ENGINEERING ASSOCIATES, INC
Project: CB NO. 28/26035
Site: CRACKER BARREL #28

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
07060929-05A	Soil	T-3-N	6/21/2007 6:25:00 PM	Benzene	ND	0.96 ug/Kg	SW8260B
				Toluene	ND	0.96 ug/Kg	SW8260B
				Ethylbenzene	ND	0.96 ug/Kg	SW8260B
				Xylenes,Total	ND	0.962 ug/Kg	SW8260B
				Methyl tert-butyl ether	ND	0.96 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	ND	4.8 mg/Kg	SW8015B
				m,p-Xylene	ND	1.9 ug/Kg	SW8260B
				o-Xylene	ND	0.96 ug/Kg	SW8260B
07060929-05B	Soil	T-3-N	6/21/2007 6:25:00 PM	Lead	12.7	1 mg/Kg	SW6010B
07060929-06A	Soil	T-3-S	6/21/2007 6:35:00 PM	Benzene	7.7	0.96 ug/Kg	SW8260B
				Toluene	ND	0.96 ug/Kg	SW8260B
				Ethylbenzene	17	0.96 ug/Kg	SW8260B
				Xylenes,Total	21	0.96 ug/Kg	SW8260B
				Methyl tert-butyl ether	ND	0.96 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	ND	4.5 mg/Kg	SW8015B
				m,p-Xylene	21	1.9 ug/Kg	SW8260B
				o-Xylene	ND	0.96 ug/Kg	SW8260B
07060929-06B	Soil	T-3-S	6/21/2007 6:35:00 PM	Lead	9.95	1 mg/Kg	SW6010B
07060929-07A	Soil	BACKFILL	6/21/2007 6:40:00 PM	Benzene	1.3	0.88 ug/Kg	SW8260B
				Toluene	1	0.88 ug/Kg	SW8260B
				Ethylbenzene	ND	0.88 ug/Kg	SW8260B
				Xylenes,Total	ND	0.88 ug/Kg	SW8260B
				Methyl tert-butyl ether	ND	0.88 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	6.9	5.1 mg/Kg	SW8015B
				m,p-Xylene	ND	1.8 ug/Kg	SW8260B
				o-Xylene	ND	0.88 ug/Kg	SW8260B

Qualifiers:

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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Thursday, July 05, 2007

*****SUMMARY REPORT*****

Company: ENGINEERING ASSOCIATES, INC
Project: CB NO. 28/26035
Site: CRACKER BARREL #28

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
07060929-07B	Soil	BACKFILL	6/21/2007 6:40:00 PM	Naphthalene	0.49	0.033 mg/Kg	SW8270C
				Lead	11.3	1 mg/Kg	SW6010B
				Diesel Range Organics (C10-C28)	15	3.3 mg/Kg	SW8015B
				2-Methylnaphthalene	0.94	0.033 mg/Kg	SW8270C
				Acenaphthene	ND	0.033 mg/Kg	SW8270C
				Acenaphthylene	ND	0.033 mg/Kg	SW8270C
				Anthracene	ND	0.033 mg/Kg	SW8270C
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270C
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270C
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270C
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270C
				Chrysene	ND	0.033 mg/Kg	SW8270C
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270C
				Fluoranthene	ND	0.033 mg/Kg	SW8270C
				Fluorene	ND	0.033 mg/Kg	SW8270C
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270C
				Phenanthrene	ND	0.033 mg/Kg	SW8270C
				Pyrene	ND	0.033 mg/Kg	SW8270C

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Client Sample ID: T-1-N **Collected:** 06/21/2007 18:00 **SPL Sample ID:** 07060929-01

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP PAHS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
2-Methylnaphthalene	0.28		0.033	1	06/25/07 18:07	KTK	2271316
Acenaphthene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Acenaphthylene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Anthracene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Benz(a)anthracene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Benzo(a)pyrene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Benzo(b)fluoranthene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Benzo(k)fluoranthene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Chrysene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Dibenz(a,h)anthracene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Fluoranthene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Fluorene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Indeno(1,2,3-cd)pyrene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Naphthalene	0.13		0.033	1	06/25/07 18:07	KTK	2271316
Phenanthrene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Pyrene	ND		0.033	1	06/25/07 18:07	KTK	2271316
Surr:2-Fluorobiphenyl	82.9		% 25-97.9	1	06/25/07 18:07	KTK	2271316
Surr:4-Terphenyl-d14	89.0		% 17-145	1	06/25/07 18:07	KTK	2271316
Surr:Nitrobenzene-d5	60.4		% 18-97.7	1	06/25/07 18:07	KTK	2271316

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	06/23/2007 13:45	CAH	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	8.1		3.3	1	06/25/07 22:08	DF	2272518
Surr: o-Terphenyl	84.3		% 35-147	1	06/25/07 22:08	DF	2272518

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	06/23/2007 14:36	CAH	1.00

RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	34		4.7	50	06/26/07 0:49	SNV	2271088
Surr:1,4-Difluorobenzene	104		% 46-138	50	06/26/07 0:49	SNV	2271088
Surr:4-Bromofluorobenzene	101		% 38-148	50	06/26/07 0:49	SNV	2271088

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:00	Field	0.94

TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	14.7		1	1	06/26/07 12:43	RJD	2272594

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: T-1-N **Collected:** 06/21/2007 18:00 **SPL Sample ID:** 07060929-01

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

VOLATILE ORGANICS : METHOD 8260B				MCL	SW8260B	Units: ug/Kg	
Benzene	ND		0.98	1	06/28/07 7:45	AMT	2275239
Ethylbenzene	ND		0.98	1	06/28/07 7:45	AMT	2275239
Methyl tert-butyl ether	ND		0.98	1	06/28/07 7:45	AMT	2275239
Toluene	2.6		0.98	1	06/28/07 7:45	AMT	2275239
m,p-Xylene	4.4		2	1	06/28/07 7:45	AMT	2275239
o-Xylene	1.4		0.98	1	06/28/07 7:45	AMT	2275239
Xylenes, Total	5.8		0.98	1	06/28/07 7:45	AMT	2275239
Surr: 1,2-Dichloroethane-d4	142	%	58-165	1	06/28/07 7:45	AMT	2275239
Surr: 4-Bromofluorobenzene	102	%	47-145	1	06/28/07 7:45	AMT	2275239
Surr: Toluene-d8	99.7	%	51-147	1	06/28/07 7:45	AMT	2275239

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:00	Field	0.98

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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(337)237-4775

Client Sample ID: T-1-S **Collected:** 06/21/2007 18:00 **SPL Sample ID:** 07060929-02

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP PAHS BY METHOD 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
2-Methylnaphthalene	0.39		0.033	1	06/25/07 18:41	KTK	2271317
Acenaphthene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Acenaphthylene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Anthracene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Benz(a)anthracene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Benzo(a)pyrene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Benzo(b)fluoranthene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Benzo(k)fluoranthene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Chrysene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Dibenz(a,h)anthracene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Fluoranthene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Fluorene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Indeno(1,2,3-cd)pyrene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Naphthalene	0.39		0.033	1	06/25/07 18:41	KTK	2271317
Phenanthrene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Pyrene	ND		0.033	1	06/25/07 18:41	KTK	2271317
Surr:2-Fluorobiphenyl	81.9		% 25-97.9	1	06/25/07 18:41	KTK	2271317
Surr:4-Terphenyl-d14	86.6		% 17-145	1	06/25/07 18:41	KTK	2271317
Surr:Nitrobenzene-d5	63.1		% 18-97.7	1	06/25/07 18:41	KTK	2271317

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	06/23/2007 13:45	CAH	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	7.8		3.3	1	06/25/07 22:26	DF	2272519
Surr: o-Terphenyl	72.3		% 35-147	1	06/25/07 22:26	DF	2272519

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	06/23/2007 14:36	CAH	1.00

RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	14		5.2	50	06/25/07 20:21	SNV	2271081
Surr:1,4-Difluorobenzene	104		% 46-138	50	06/25/07 20:21	SNV	2271081
Surr:4-Bromofluorobenzene	98.4		% 38-148	50	06/25/07 20:21	SNV	2271081

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:00	Field	1.04

TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	9.5		1	1	06/26/07 13:41	RJD	2272602

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: T-1-S **Collected:** 06/21/2007 18:00 **SPL Sample ID:** 07060929-02

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

VOLATILE ORGANICS : METHOD 8260B			MCL	SW8260B	Units: ug/Kg	
Benzene	28	1.1	1	06/28/07 8:14	AMT	2275240
Ethylbenzene	65	1.1	1	06/28/07 8:14	AMT	2275240
Methyl tert-butyl ether	ND	1.1	1	06/28/07 8:14	AMT	2275240
Toluene	8.2	1.1	1	06/28/07 8:14	AMT	2275240
m,p-Xylene	14	2.2	1	06/28/07 8:14	AMT	2275240
o-Xylene	2	1.1	1	06/28/07 8:14	AMT	2275240
Xylenes, Total	16	1.1	1	06/28/07 8:14	AMT	2275240
Surr: 1,2-Dichloroethane-d4	128	% 58-165	1	06/28/07 8:14	AMT	2275240
Surr: 4-Bromofluorobenzene	101	% 47-145	1	06/28/07 8:14	AMT	2275240
Surr: Toluene-d8	92.9	% 51-147	1	06/28/07 8:14	AMT	2275240

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:00	Field	1.11

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: T-2-S **Collected:** 06/21/2007 18:10 **SPL Sample ID:** 07060929-03

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BTEX + MTBE BY METHOD 8021B				**MCL**	**SW8021B**	**Units: mg/Kg**	
Benzene	0.0068		0.00093	1	06/25/07 23:35	TDD	2280144
Ethylbenzene	0.0063		0.00093	1	06/25/07 23:35	TDD	2280144
Methyl tert-butyl ether	0.0086		0.0074	1	06/25/07 23:35	TDD	2280144
Toluene	0.0036		0.00093	1	06/25/07 23:35	TDD	2280144
m,p-Xylene	0.0049		0.0019	1	06/25/07 23:35	TDD	2280144
o-Xylene	0.0034		0.00093	1	06/25/07 23:35	TDD	2280144
Xylenes, Total	0.0083		0.00093	1	06/25/07 23:35	TDD	2280144
Surr:1,4-Difluorobenzene	82.5		% 73-125	1	06/25/07 23:35	TDD	2280144
Surr:4-Bromofluorobenzene	127		% 54-159	1	06/25/07 23:35	TDD	2280144

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:10	Field	0.93

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	2.1		0.093	1	06/25/07 23:35	SNV	2271204
Surr:1,4-Difluorobenzene	128		% 46-138	1	06/25/07 23:35	SNV	2271204
Surr:4-Bromofluorobenzene	101		% 38-148	1	06/25/07 23:35	SNV	2271204

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:10	Field	0.93

TOTAL METALS BY METHOD 6010B				MCL	SW6010B	Units: mg/Kg	
Lead	30.3		1	1	06/26/07 13:47	RJD	2272603

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: T-2-N **Collected:** 06/21/2007 18:20 **SPL Sample ID:** 07060929-04

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND		5.4	50	06/25/07 20:51	SNV	2271082
Surr: 1,4-Difluorobenzene	102		% 46-138	50	06/25/07 20:51	SNV	2271082
Surr: 4-Bromofluorobenzene	98.2		% 38-148	50	06/25/07 20:51	SNV	2271082

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:20	Field	1.09

TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	10.3		1	1	06/26/07 13:52	RJD	2272604

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

VOLATILE ORGANICS : METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/Kg**		
Benzene	ND		0.89	1	06/28/07 8:44	AMT	2275241
Ethylbenzene	ND		0.89	1	06/28/07 8:44	AMT	2275241
Methyl tert-butyl ether	ND		0.89	1	06/28/07 8:44	AMT	2275241
Toluene	ND		0.89	1	06/28/07 8:44	AMT	2275241
m,p-Xylene	ND		1.8	1	06/28/07 8:44	AMT	2275241
o-Xylene	ND		0.89	1	06/28/07 8:44	AMT	2275241
Xylenes, Total	ND		0.893	1	06/28/07 8:44	AMT	2275241
Surr: 1,2-Dichloroethane-d4	119		% 58-165	1	06/28/07 8:44	AMT	2275241
Surr: 4-Bromofluorobenzene	96.7		% 47-145	1	06/28/07 8:44	AMT	2275241
Surr: Toluene-d8	97.4		% 51-147	1	06/28/07 8:44	AMT	2275241

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:20	Field	0.89

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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SCOTT, LA 70583
(337)237-4775

Client Sample ID: T-3-N **Collected:** 06/21/2007 18:25 **SPL Sample ID:** 07060929-05

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND		4.8	50	06/25/07 21:21	SNV	2271083
Surr:1,4-Difluorobenzene	100		% 46-138	50	06/25/07 21:21	SNV	2271083
Surr:4-Bromofluorobenzene	96.9		% 38-148	50	06/25/07 21:21	SNV	2271083

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:25	Field	0.96

TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	12.7		1	1	06/26/07 13:57	RJD	2272605

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

VOLATILE ORGANICS : METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/Kg**		
Benzene	ND		0.96	1	06/28/07 9:14	AMT	2275242
Ethylbenzene	ND		0.96	1	06/28/07 9:14	AMT	2275242
Methyl tert-butyl ether	ND		0.96	1	06/28/07 9:14	AMT	2275242
Toluene	ND		0.96	1	06/28/07 9:14	AMT	2275242
m,p-Xylene	ND		1.9	1	06/28/07 9:14	AMT	2275242
o-Xylene	ND		0.96	1	06/28/07 9:14	AMT	2275242
Xylenes,Total	ND		0.962	1	06/28/07 9:14	AMT	2275242
Surr:1,2-Dichloroethane-d4	110		% 58-165	1	06/28/07 9:14	AMT	2275242
Surr:4-Bromofluorobenzene	95.1		% 47-145	1	06/28/07 9:14	AMT	2275242
Surr: Toluene-d8	96.1		% 51-147	1	06/28/07 9:14	AMT	2275242

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:25	Field	0.96

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: T-3-S **Collected:** 06/21/2007 18:35 **SPL Sample ID:** 07060929-06

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND		4.5	50	06/26/07 1:18	SNV	2271089
Surr:1,4-Difluorobenzene	101		% 46-138	50	06/26/07 1:18	SNV	2271089
Surr:4-Bromofluorobenzene	99.0		% 38-148	50	06/26/07 1:18	SNV	2271089

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:35	Field	0.91

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	9.95		1	1	06/26/07 14:03	RJD	2272606

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS : METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/Kg**		
Benzene	7.7		0.96	1	06/28/07 9:44	AMT	2275243
Ethylbenzene	17		0.96	1	06/28/07 9:44	AMT	2275243
Methyl tert-butyl ether	ND		0.96	1	06/28/07 9:44	AMT	2275243
Toluene	ND		0.96	1	06/28/07 9:44	AMT	2275243
m,p-Xylene	21		1.9	1	06/28/07 9:44	AMT	2275243
o-Xylene	ND		0.96	1	06/28/07 9:44	AMT	2275243
Xylenes,Total	21		0.96	1	06/28/07 9:44	AMT	2275243
Surr:1,2-Dichloroethane-d4	104		% 58-165	1	06/28/07 9:44	AMT	2275243
Surr:4-Bromofluorobenzene	95.1		% 47-145	1	06/28/07 9:44	AMT	2275243
Surr: Toluene-d8	97.3		% 51-147	1	06/28/07 9:44	AMT	2275243

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:35	Field	0.96

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: BACKFILL **Collected:** 06/21/2007 18:40 **SPL Sample ID:** 07060929-07

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP PAHS BY METHOD 8270C				**MCL**	**SW8270C**	**Units: mg/Kg**	
2-Methylnaphthalene	0.94		0.033	1	06/25/07 19:15	KTK	2271344
Acenaphthene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Acenaphthylene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Anthracene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Benz(a)anthracene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Benzo(a)pyrene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Benzo(b)fluoranthene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Benzo(k)fluoranthene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Chrysene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Dibenz(a,h)anthracene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Fluoranthene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Fluorene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Indeno(1,2,3-cd)pyrene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Naphthalene	0.49		0.033	1	06/25/07 19:15	KTK	2271344
Phenanthrene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Pyrene	ND		0.033	1	06/25/07 19:15	KTK	2271344
Surr:2-Fluorobiphenyl	75.6		% 25-97.9	1	06/25/07 19:15	KTK	2271344
Surr:4-Terphenyl-d14	86.3		% 17-145	1	06/25/07 19:15	KTK	2271344
Surr:Nitrobenzene-d5	63.3		% 18-97.7	1	06/25/07 19:15	KTK	2271344

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3550B	06/23/2007 13:45	CAH	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				MCL	SW8015B	Units: mg/Kg	
Diesel Range Organics (C10-C28)	15		3.3	1	06/25/07 22:45	DF	2272520
Surr: o-Terphenyl	69.1		% 35-147	1	06/25/07 22:45	DF	2272520

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3550B	06/23/2007 14:36	CAH	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	6.9		5.1	50	06/26/07 1:48	SNV	2271090
Surr:1,4-Difluorobenzene	103		% 46-138	50	06/26/07 1:48	SNV	2271090
Surr:4-Bromofluorobenzene	101		% 38-148	50	06/26/07 1:48	SNV	2271090

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:40	Field	1.02

TOTAL METALS BY METHOD 6010B				MCL	SW6010B	Units: mg/Kg	
Lead	11.3		1	1	06/26/07 14:08	RJD	2272607

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: BACKFILL **Collected:** 06/21/2007 18:40 **SPL Sample ID:** 07060929-07

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/25/2007 11:30	SA	1.00

VOLATILE ORGANICS : METHOD 8260B			MCL	SW8260B	Units: ug/Kg	
Benzene	1.3	0.88	1	06/28/07 10:13	AMT	2275244
Ethylbenzene	ND	0.88	1	06/28/07 10:13	AMT	2275244
Methyl tert-butyl ether	ND	0.88	1	06/28/07 10:13	AMT	2275244
Toluene	1	0.88	1	06/28/07 10:13	AMT	2275244
m,p-Xylene	ND	1.8	1	06/28/07 10:13	AMT	2275244
o-Xylene	ND	0.88	1	06/28/07 10:13	AMT	2275244
Xylenes, Total	ND	0.88	1	06/28/07 10:13	AMT	2275244
Surr: 1,2-Dichloroethane-d4	109	% 58-165	1	06/28/07 10:13	AMT	2275244
Surr: 4-Bromofluorobenzene	101	% 47-145	1	06/28/07 10:13	AMT	2275244
Surr: Toluene-d8	104	% 51-147	1	06/28/07 10:13	AMT	2275244

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/21/2007 18:40	Field	0.88

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

LAFAYETTE LABORATORY
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SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: RECAP Diesel Range Organics by Method 8015B
Method: SW8015B
WorkOrder: 07060929
Lab Batch ID: 60450

Method Blank

RunID: TPHC_070625C-2272508 Units: mg/Kg
Analysis Date: 06/25/2007 18:30 Analyst: DF
Preparation Date: 06/23/2007 14:36 Prep By: CAH Method: SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-01B	T-1-N
07060929-02B	T-1-S
07060929-07B	BACKFILL

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	3.3
Surr: o-Terphenyl	71.6	35-147

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHC_070625C-2272509 Units: mg/Kg
Analysis Date: 06/25/2007 18:48 Analyst: DF
Preparation Date: 06/23/2007 14:36 Prep By: CAH Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	100	68.8	68.8	100	69.7	69.7	1.2	35	34	106
Surr: o-Terphenyl	1.67	1.98	119	1.67	2.04	123	3.2	30	35	147

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07060780-04
RunID: TPHC_070625C-2272511 Units: mg/Kg
Analysis Date: 06/25/2007 19:24 Analyst: DF
Preparation Date: 06/23/2007 14:36 Prep By: CAH Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	8.11	100	69.4	61.3	100	86.0	77.9	21.5	38	12	106
Surr: o-Terphenyl	ND	1.67	1.9	114	1.67	2.12	127	11.0	30	35	147

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: RECAP Gasoline Range Organics
Method: SW8015B
WorkOrder: 07060929
Lab Batch ID: R155598

Method Blank

RunID: HPEE_070623E-2271080 Units: mg/Kg
Analysis Date: 06/25/2007 16:23 Analyst: SNV

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	105.5	46-138
Surr: 4-Bromofluorobenzene	97.8	38-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-01A	T-1-N
07060929-02A	T-1-S
07060929-04A	T-2-N
07060929-05A	T-3-N
07060929-06A	T-3-S
07060929-07A	BACKFILL

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPEE_070623E-2271078 Units: mg/Kg
Analysis Date: 06/25/2007 14:54 Analyst: SNV

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Gasoline Range Organics (C6-C10)	5.00	4.55	91.1	5.00	4.65	93.0	2.1	21	73	126
Surr:1,4-Difluorobenzene	30.0	51.1	170 *	30.0	51.6	172 *	0.8	30	46	138
Surr:4-Bromofluorobenzene	30.0	30.1	100	30.0	30.1	100	0.0	30	38	148

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: RECAP Gasoline Range Organics
Method: SW8015B

WorkOrder: 07060929
Lab Batch ID: R155603

Method Blank

RunID: HPZZ_070623I-2271197 Units: mg/Kg
Analysis Date: 06/25/2007 12:48 Analyst: SNV

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-03A	T-2-S

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	104.7	46-138
Surr: 4-Bromofluorobenzene	101.9	38-148

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPZZ_070623I-2271195 Units: mg/Kg
Analysis Date: 06/25/2007 11:18 Analyst: SNV

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Gasoline Range Organics (C6-C10)	5.00	4.14	82.7	5.00	4.43	88.7	7.0	21	73	126
Surr:1,4-Difluorobenzene	30.0	40.3	134	30.0	43.4	145 *	7.2	30	46	138
Surr:4-Bromofluorobenzene	30.0	28.6	95.4	30.0	29.3	97.7	2.3	30	38	148

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: BTEX + MTBE by Method 8021B
Method: SW8021B

WorkOrder: 07060929
Lab Batch ID: R156143

Method Blank

RunID: HPZZ_070623R-2280142 Units: mg/Kg
Analysis Date: 06/25/2007 12:48 Analyst: TDD

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-03A	T-2-S

Analyte	Result	Rep Limit
Benzene	ND	0.0010
Ethylbenzene	ND	0.0010
Methyl tert-butyl ether	ND	0.0080
Toluene	ND	0.0010
m,p-Xylene	ND	0.0020
o-Xylene	ND	0.0010
Xylenes,Total	ND	0.0010
Surr: 1,4-Difluorobenzene	95.3	73-125
Surr: 4-Bromofluorobenzene	102.7	54-159

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPZZ_070623R-2280140 Units: mg/Kg
Analysis Date: 06/25/2007 9:54 Analyst: TDD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	0.0500	0.0439	87.9	0.0500	0.0452	90.4	2.8	13	79	124
Ethylbenzene	0.0500	0.0477	95.4	0.0500	0.0486	97.2	1.8	13	77	128
Methyl tert-butyl ether	0.0500	0.0498	99.6	0.0500	0.0498	99.6	0.0	18	65	138
Toluene	0.0500	0.0449	89.9	0.0500	0.0454	90.8	1.0	13	80	123
m,p-Xylene	0.100	0.106	106	0.100	0.107	107	0.5	14	83	126
o-Xylene	0.0500	0.0504	101	0.0500	0.0511	102	1.3	12	78	126
Xylenes,Total	0.1500	0.1564	104.3	0.1500	0.1581	105.1	0.8	12	78	126
Surr:1,4-Difluorobenzene	30.0	27.9	92.9	30.0	28.0	93.2	0.4	30	73	125
Surr:4-Bromofluorobenzene	30.0	30.9	103	30.0	30.9	103	0.1	30	54	159

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: Total Metals by Method 6010B
Method: SW6010B
WorkOrder: 07060929
Lab Batch ID: 60471

Method Blank

RunID: ICPDV_070625K-2272592 Units: mg/Kg
Analysis Date: 06/26/2007 12:32 Analyst: RJD
Preparation Date: 06/25/2007 11:30 Prep By: SA Method: SW3050B

Analyte	Result	Rep Limit
Lead	ND	1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-01B	T-1-N
07060929-02B	T-1-S
07060929-03B	T-2-S
07060929-04B	T-2-N
07060929-05B	T-3-N
07060929-06B	T-3-S
07060929-07B	BACKFILL

Laboratory Control Sample (LCS)

RunID: ICPDV_070625K-2272593 Units: mg/Kg
Analysis Date: 06/26/2007 12:38 Analyst: RJD
Preparation Date: 06/25/2007 11:30 Prep By: SA Method: SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	121.0	132.7	109.6	80.6	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07060929-01
RunID: ICPDV_070625K-2272596 Units: mg/Kg
Analysis Date: 06/26/2007 12:54 Analyst: RJD
Preparation Date: 06/25/2007 11:30 Prep By: SA Method: SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	14.74	100	124.2	109.4	100	125.6	110.9	1.170	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: RECAP PAHs by Method 8270C
Method: SW8270C
WorkOrder: 07060929
Lab Batch ID: 60448

Method Blank

RunID: D_070625A-2271329 Units: mg/Kg
Analysis Date: 06/25/2007 16:45 Analyst: KTK
Preparation Date: 06/23/2007 13:45 Prep By: CAH Method: SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-01B	T-1-N
07060929-02B	T-1-S
07060929-07B	BACKFILL

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	0.033
Acenaphthene	ND	0.033
Acenaphthylene	ND	0.033
Anthracene	ND	0.033
Benz(a)anthracene	ND	0.033
Benzo(a)pyrene	ND	0.033
Benzo(b)fluoranthene	ND	0.033
Benzo(k)fluoranthene	ND	0.033
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Indeno(1,2,3-cd)pyrene	ND	0.033
Naphthalene	ND	0.033
Phenanthrene	ND	0.033
Pyrene	ND	0.033
Surr: 2-Fluorobiphenyl	101.0	25-97.9
Surr: 4-Terphenyl-d14	94.2	17-145
Surr: Nitrobenzene-d5	89.1	18-97.7

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: D_070625A-2271330 Units: mg/Kg
Analysis Date: 06/25/2007 17:19 Analyst: KTK
Preparation Date: 06/23/2007 13:45 Prep By: CAH Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2-Methylnaphthalene	1.67	1.27	76.1	1.67	1.51	90.7	17.4	28	24	111
Acenaphthene	1.67	1.51	90.8	1.67	1.74	104	13.9	23	31	113
Acenaphthylene	1.67	1.63	98.0	1.67	1.87	112	13.3	23	27	114
Anthracene	1.67	1.46	87.3	1.67	1.67	100	13.5	23	33	119
Benz(a)anthracene	1.67	1.38	82.6	1.67	1.53	91.8	10.6	19	37	120
Benzo(a)pyrene	1.67	1.30	77.9	1.67	1.54	92.2	16.9	24	30	135
Benzo(b)fluoranthene	1.67	1.26	75.8	1.67	1.54	92.5	19.8	28	29	142
Benzo(k)fluoranthene	1.67	1.50	89.7	1.67	1.55	93.2	3.8	27	33	136
Chrysene	1.67	1.38	82.7	1.67	1.53	91.7	10.3	21	37	120
Dibenz(a,h)anthracene	1.67	0.804	48.2	1.67	0.910	54.6	12.4	31	26	133

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: RECAP PAHs by Method 8270C **WorkOrder:** 07060929
Method: SW8270C **Lab Batch ID:** 60448

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: D_070625A-2271330 Units: mg/Kg
Analysis Date: 06/25/2007 17:19 Analyst: KTK
PreparationDate: 06/23/2007 13:45 Prep By: CAH Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Fluoranthene	1.67	1.54	92.1	1.67	1.74	104	12.5	37	32	123
Fluorene	1.67	1.59	95.3	1.67	1.87	112	16.2	25	35	116
Indeno(1,2,3-cd)pyrene	1.67	0.790	47.4	1.67	0.936	56.2	16.9	41	20	122
Naphthalene	1.67	1.37	81.9	1.67	1.60	96.2	16.0	22	25	103
Phenanthrene	1.67	1.50	90.1	1.67	1.73	104	14.0	23	31	120
Pyrene	1.67	1.77	106	1.67	1.96	118	10.1	32	21	143
Surr:2-Fluorobiphenyl	1670	1510	90.5	1670	1720	103 *	13.0	30	25	97.9
Surr:4-Terphenyl-d14	1670	1500	90.1	1670	1610	96.8	7.2	30	17	145
Surr:Nitrobenzene-d5	1670	1350	81.2	1670	1540	92.2	12.6	30	18	97.7

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07060780-02
RunID: A_070625A-2270849 Units: mg/Kg
Analysis Date: 06/25/2007 15:18 Analyst: KTK
PreparationDate: 06/23/2007 13:45 Prep By: CAH Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
2-Methylnaphthalene	0.227	1.67	1.37	68.4	1.67	1.47	74.6	7.20	30	50	150
Acenaphthene	ND	1.67	1.22	73.1	1.67	1.27	76.4	4.40	45	21	104
Acenaphthylene	ND	1.67	1.35	80.8	1.67	1.39	83.5	3.29	30	50	150
Anthracene	ND	1.67	1.41	83.5	1.67	1.41	83.4	0.0964	30	50	150
Benz(a)anthracene	ND	1.67	1.47	87.6	1.67	1.46	87.2	0.457	30	50	150
Benzo(a)pyrene	ND	1.67	1.26	75.6	1.67	1.27	76.0	0.561	30	50	150
Benzo(b)fluoranthene	ND	1.67	1.13	67.6	1.67	1.14	68.6	1.48	30	50	150
Benzo(k)fluoranthene	ND	1.67	1.34	80.1	1.67	1.34	80.6	0.592	30	50	150
Chrysene	ND	1.67	1.51	90.2	1.67	1.55	92.6	2.70	30	50	150
Dibenz(a,h)anthracene	ND	1.67	1.30	77.9	1.67	1.33	79.9	2.56	30	50	150
Fluoranthene	ND	1.67	1.41	84.8	1.67	1.42	85.2	0.495	30	50	150
Fluorene	ND	1.67	1.56	93.6	1.67	1.59	95.1	1.67	30	50	150

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: RECAP PAHs by Method 8270C
Method: SW8270C
WorkOrder: 07060929
Lab Batch ID: 60448

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07060780-02
RunID: A_070625A-2270849 Units: mg/Kg
Analysis Date: 06/25/2007 15:18 Analyst: KTK
Preparation Date: 06/23/2007 13:45 Prep By: CAH Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Indeno(1,2,3-cd)pyrene	ND	1.67	1.30	77.7	1.67	1.30	78.1	0.475	30	50	150
Naphthalene	0.106	1.67	1.19	64.8	1.67	1.29	70.9	8.20	30	50	150
Phenanthrene	ND	1.67	1.39	82.9	1.67	1.37	81.4	1.74	30	50	150
Pyrene	ND	1.67	1.30	78.0	1.67	1.29	77.1	1.12	55	25	116
Surr:2-Fluorobiphenyl	ND	1670	1430	85.6	1670	1460	87.6	2.23	30	25	97.9
Surr:4-Terphenyl-d14	ND	1670	1430	86.1	1670	1470	87.9	2.13	30	17	145
Surr:Nitrobenzene-d5	ND	1670	1050	62.9	1670	1060	63.3	0.593	30	18	97.7

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENGINEERING ASSOCIATES, INC

CB NO. 28/26035

Analysis: Volatile Organics : Method 8260B
Method: SW8260B
WorkOrder: 07060929
Lab Batch ID: R155870

Method Blank

RunID: G_070627B-2275238 Units: ug/Kg
Analysis Date: 06/28/2007 7:15 Analyst: AMT
Preparation Date: 06/28/2007 7:15 Prep By: Method: SW5035

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	1.0
Toluene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	102.5	58-165
Surr: 4-Bromofluorobenzene	90.1	47-145
Surr: Toluene-d8	97.1	51-147

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07060929-01A	T-1-N
07060929-02A	T-1-S
07060929-04A	T-2-N
07060929-05A	T-3-N
07060929-06A	T-3-S
07060929-07A	BACKFILL

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: G_070627B-2275236 Units: ug/Kg
Analysis Date: 06/28/2007 5:46 Analyst: AMT
Preparation Date: 06/28/2007 5:46 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	50.0	48.8	97.6	50.0	46.4	92.9	4.9	21	73	136
Ethylbenzene	50.0	49.9	99.7	50.0	46.9	93.8	6.2	30	50	150
Methyl tert-butyl ether	50.0	46.2	92.3	50.0	44.7	89.4	3.2	30	50	150
Toluene	50.0	49.5	99.1	50.0	48.6	97.1	2.0	20	65	116
m,p-Xylene	100	91.0	91.0	100	86.3	86.3	5.3	30	50	150
o-Xylene	50.0	49.4	98.9	50.0	47.5	95.0	4.0	30	50	150
Xylenes,Total	150.0	140.4	93.60	150.0	133.8	89.16	4.9	30	50	150
Surr:1,2-Dichloroethane-d4	50.0	49.4	98.7	50.0	48.6	97.1	1.6	30	58	165
Surr:4-Bromofluorobenzene	50.0	51.0	102	50.0	52.0	104	2.0	30	47	145
Surr:Toluene-d8	50.0	50.3	101	50.0	51.7	103	2.7	30	51	147

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Sample Receipt Checklist

Workorder:	07060929	ReceivedBy:	JM
Date and Time Received:	6/22/2007 4:00:00 PM	Carriername:	SPL-Driver-Other
Temperature:	3.5°C	Chilled by:	Water Ice

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
2. Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐	
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
4. Chain of custody present?	Yes ☑	No ☐		
5. Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
6. Chain of custody agrees with sample labels?	Yes ☑	No ☐		
7. Samples in proper container/bottle?	Yes ☑	No ☐		
8. Sample containers intact?	Yes ☐	No ☑		
9. Sufficient sample volume for indicated test?	Yes ☑	No ☐		
10. All samples received within holding time?	Yes ☑	No ☐		
11. Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
12. Water - VOA vials have zero headspace?	Yes ☐	No ☐	VOA Vials Not Present ☑	
13. Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	NotApplicable ☑	

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: The septum for the methanol preserved sample for T-2-S was received pushed in.

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 0706092 9 — 260518 — page 1 of 1

Client Name: Crocker Barrel Stores Inc.
Address: 12221 Industriplex Blvd BR, LA
Phone/Fax: 225-926-2025 / 2033
Client Contact: Steve Burnham Email: sjburnham@bellsouth.net
Project Name/No.: CBNo. 28 / 26035
Site Name: Crocker Barrel No. 28
Site Location: Port Allen, LA
Invoice To: Engineering Associates Ph: 225 926 2025

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=oil X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: BTEX, TPH-G, MTBE, Lead, TPH-D, PAH	Requested Analysis: BTEX, TPH-G, MTBE, LEAD	
T-1-N	6/21/07	1800		✓	S	V	(3)40 4		4	✓		4
T-1-S	"	1800		✓	S	V	(3)40 4		4	✓		4
T-2-S	"	1810		✓	S	V	(3)40 4		4		✓	4
T-2-N	"	1820		✓	S	V	(3)40 4		4		✓	4
T-3-N	"	1825		✓	S	V	(3)40 4		4		✓	4
T-3-S	"	1835		✓	S	V	(3)40 4		4		✓	4
Backfill	"	1840		✓	S	V	(3)40 4		4	✓		4

(1) Client/Consultant Remarks: RECAP Standards (2) Non-funded site (3) Hold 4oz jars for possible SPLP analysis; Add'l 4oz jars for Samples T-1-N, T-1-S, and backfill for TCLP analysis

Laboratory remarks: (RL-1079) (W-6-30) NO CS; SPL-914

Intact? Y N
Ice? Y N
Temp: 3-5

Requested TAT

Contract ☐ 72hr ☐ 24hr ☐ Standard ☑ 48hr ☐ Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☑ PDF ☐
Standard QC ☑ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☐

Special Detection Limits (specify): RECAP Standards

PM review (initial):

	date	time	
1. Relinquished by Sampler:	6/22/07	0920	2. Received by: Deana Chidester
3. Relinquished by: Deana Chidester	6/22/07	11:30	4. Received by:
5. Relinquished by:	6/22/07	1600	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

26035

Case Narrative for:

ENGINEERING ASSOCIATES, INC

Certificate of Analysis Number:

07061042

Report To:		Project Name:	26035
ENGINEERING ASSOCIATES, INC		Site:	CRACKER BARREL #28
SHAWN FUNDERBURK		Site Address:	
1415 DELPLAZA DRIVE, SUITE B			PORT ALLEN LA
BATON ROUGE		PO Number:	
LA		State:	Louisiana
70815-		State Cert. No.:	02048
ph: (225)926-2025	fax: (225)926-2033	Date Reported:	7/5/2007

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: 7 PAGES

Amy K. Jackson
Project Manager

7/5/2007
Date

Test results meet all requirements of NELAC, unless specified in the narrative.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

ENGINEERING ASSOCIATES, INC

Certificate of Analysis Number:

07061042

Report To: ENGINEERING ASSOCIATES, INC
SHAWN FUNDERBURK
1415 DELPLAZA DRIVE, SUITE B

BATON ROUGE
LA
70815-
ph: (225)926-2025 fax: (225)926-2033

Fax To: ENGINEERING ASSOCIATES, INC
SHAWN FUNDERBURK fax: (225)926-2033

Project Name: 26035
Site: CRACKER BARREL #28
Site Address:

PORT ALLEN LA

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 7/5/2007

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
DI-1	07061042-01	Soil	6/26/2007 12:20:00 PM	6/26/2007 5:45:00 PM	184558	☐
DI-2	07061042-02	Soil	6/26/2007 12:25:00 PM	6/26/2007 5:45:00 PM	184558	☐
BACKFILL	07061042-03	Soil	6/26/2007 12:40:00 PM	6/26/2007 5:45:00 PM	184558	☐
T-1-N	07061042-04	Soil	6/26/2007 12:45:00 PM	6/26/2007 5:45:00 PM	184558	☐
T-1-S	07061042-05	Soil	6/26/2007 12:50:00 PM	6/26/2007 5:45:00 PM	184558	☐

Amy K. Jackson
Project Manager

7/5/2007
Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Date: Thursday, July 05, 2007

*****SUMMARY REPORT*****

Company: ENGINEERING ASSOCIATES, INC **Project:** 26035

Site: CRACKER BARREL #28

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
07061042-01A	Soil	DI-1	6/26/2007 12:20:00 PM	Benzene	25	0.96 ug/Kg	SW8260B
				Toluene	7.3	0.96 ug/Kg	SW8260B
				Ethylbenzene	52	0.96 ug/Kg	SW8260B
				Xylenes,Total	11	0.96 ug/Kg	SW8260B
				Methyl tert-butyl ether	34	4.8 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	13	4.9 mg/Kg	SW8015B
				m,p-Xylene	11	1.9 ug/Kg	SW8260B
				o-Xylene	ND	0.96 ug/Kg	SW8260B
07061042-01B	Soil	DI-1	6/26/2007 12:20:00 PM	Lead	12.9	2 mg/Kg	SW6010B
07061042-02A	Soil	DI-2	6/26/2007 12:25:00 PM	Benzene	5.9	0.96 ug/Kg	SW8260B
				Toluene	1.1	0.96 ug/Kg	SW8260B
				Ethylbenzene	ND	0.96 ug/Kg	SW8260B
				Xylenes,Total	2.4	0.96 ug/Kg	SW8260B
				Methyl tert-butyl ether	22	4.8 ug/Kg	SW8260B
				Gasoline Range Organics (C6-C10)	14	4.2 mg/Kg	SW8015B
				m,p-Xylene	2.4	1.9 ug/Kg	SW8260B
				o-Xylene	ND	0.96 ug/Kg	SW8260B
07061042-02B	Soil	DI-2	6/26/2007 12:25:00 PM	Lead	13.1	2 mg/Kg	SW6010B
07061042-02C	Soil	DI-2	6/26/2007 12:25:00 PM	Naphthalene	50	1.7 ug/Kg	SW8310
				Diesel Range Organics (C10-C28)	4.1	3.3 mg/Kg	SW8015B
				2-Methylnaphthalene	400	1.7 ug/Kg	SW8310
				Acenaphthene	240	1.7 ug/Kg	SW8310
				Acenaphthylene	ND	1.7 ug/Kg	SW8310
				Anthracene	ND	1.7 ug/Kg	SW8310
				Benzo(a)anthracene	2.2	1.7 ug/Kg	SW8310
				Benzo(a)pyrene	ND	1.7 ug/Kg	SW8310
				Benzo(b)fluoranthene	ND	1.7 ug/Kg	SW8310
				Benzo(k)fluoranthene	ND	1.7 ug/Kg	SW8310
				Chrysene	ND	1.7 ug/Kg	SW8310
				Dibenzo(a,h)anthracene	ND	1.7 ug/Kg	SW8310
				Fluoranthene	2.4	1.7 ug/Kg	SW8310
				Fluorene	140	1.7 ug/Kg	SW8310
				Indeno(1,2,3-cd)pyrene	ND	1.7 ug/Kg	SW8310
				Phenanthrene	7.2	1.7 ug/Kg	SW8310
				Pyrene	ND	1.7 ug/Kg	SW8310

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: DI-1 **Collected:** 06/26/2007 12:20 **SPL Sample ID:** 07061042-01

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	13		4.9	50	07/01/07 4:50	RRH	2278721
Surr:1,4-Difluorobenzene	112		% 46-138	50	07/01/07 4:50	RRH	2278721
Surr:4-Bromofluorobenzene	90.8		% 38-148	50	07/01/07 4:50	RRH	2278721

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/26/2007 12:20	Field	0.98

TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	12.9		2	1	06/30/07 9:16	RJD	2278892

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW3050B	06/28/2007 9:40	SA	1.00

VOLATILE ORGANICS : METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/Kg**		
Benzene	25		0.96	1	06/30/07 19:23	AMT	2278289
Ethylbenzene	52		0.96	1	06/30/07 19:23	AMT	2278289
Methyl tert-butyl ether	34		4.8	1	06/30/07 19:23	AMT	2278289
Toluene	7.3		0.96	1	06/30/07 19:23	AMT	2278289
m,p-Xylene	11		1.9	1	06/30/07 19:23	AMT	2278289
o-Xylene	ND		0.96	1	06/30/07 19:23	AMT	2278289
Xylenes,Total	11		0.96	1	06/30/07 19:23	AMT	2278289
Surr:1,2-Dichloroethane-d4	203	MI	% 58-165	1	06/30/07 19:23	AMT	2278289
Surr:4-Bromofluorobenzene	118		% 47-145	1	06/30/07 19:23	AMT	2278289
Surr: Toluene-d8	102		% 51-147	1	06/30/07 19:23	AMT	2278289

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/26/2007 12:20	Field	0.96

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: DI-2 **Collected:** 06/26/2007 12:25 **SPL Sample ID:** 07061042-02

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYNUCLEAR AROMATIC HYDROCARBONS BY METHOD 8			**MCL**	**SW8310**	**Units: ug/Kg**		
2-Methylnaphthalene	400		1.7	1	06/29/07 3:20	JNS	2278345
Acenaphthene	240		1.7	1	06/29/07 3:20	JNS	2278345
Acenaphthylene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Anthracene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Benzo(a)anthracene	2.2		1.7	1	06/29/07 3:20	JNS	2278345
Benzo(a)pyrene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Benzo(b)fluoranthene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Benzo(k)fluoranthene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Chrysene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Dibenzo(a,h)anthracene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Fluoranthene	2.4		1.7	1	06/29/07 3:20	JNS	2278345
Fluorene	140		1.7	1	06/29/07 3:20	JNS	2278345
Indeno(1,2,3-cd)pyrene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Naphthalene	50		1.7	1	06/29/07 3:20	JNS	2278345
Phenanthrene	7.2		1.7	1	06/29/07 3:20	JNS	2278345
Pyrene	ND		1.7	1	06/29/07 3:20	JNS	2278345
Surr:9,10-Diphenylanthracene	57.0		% 16.8-138	1	06/29/07 3:20	JNS	2278345

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	06/27/2007 14:47	CAH	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	4.1		3.3	1	06/28/07 20:53	DF	2277084
Surr: o-Terphenyl	45.2		% 35-147	1	06/28/07 20:53	DF	2277084

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	06/27/2007 14:34	CAH	1.00

RECAP GASOLINE RANGE ORGANICS			**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	14		4.2	50	07/01/07 5:19	RRH	2278722
Surr:1,4-Difluorobenzene	98.6		% 46-138	50	07/01/07 5:19	RRH	2278722
Surr:4-Bromofluorobenzene	88.0		% 38-148	50	07/01/07 5:19	RRH	2278722

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	06/26/2007 12:25	Field	0.85

TOTAL METALS BY METHOD 6010B			**MCL**	**SW6010B**	**Units: mg/Kg**		
Lead	13.1		2	1	06/30/07 9:58	RJD	2278893

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	06/28/2007 9:40	SA	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: DI-2 **Collected:** 06/26/2007 12:25 **SPL Sample ID:** 07061042-02

Site: CRACKER BARREL #28

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS : METHOD 8260B			**MCL**	**SW8260B**	**Units: ug/Kg**		
Benzene	5.9		0.96	1	06/30/07 19:53	AMT	2278290
Ethylbenzene	ND		0.96	1	06/30/07 19:53	AMT	2278290
Methyl tert-butyl ether	22		4.8	1	06/30/07 19:53	AMT	2278290
Toluene	1.1		0.96	1	06/30/07 19:53	AMT	2278290
m,p-Xylene	2.4		1.9	1	06/30/07 19:53	AMT	2278290
o-Xylene	ND		0.96	1	06/30/07 19:53	AMT	2278290
Xylenes,Total	2.4		0.96	1	06/30/07 19:53	AMT	2278290
Surr: 1,2-Dichloroethane-d4	114		% 58-165	1	06/30/07 19:53	AMT	2278290
Surr: 4-Bromofluorobenzene	107		% 47-145	1	06/30/07 19:53	AMT	2278290
Surr: Toluene-d8	98.7		% 51-147	1	06/30/07 19:53	AMT	2278290

PrepMethod	Prep Date	Prep Initials	Prep Factor
SW5035	06/26/2007 12:25	Field	0.96

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: RECAP Diesel Range Organics by Method 8015B
Method: SW8015B

WorkOrder: 07061042
Lab Batch ID: 60564

Method Blank

RunID: TPHB_070628B-2277079 Units: mg/Kg
Analysis Date: 06/28/2007 19:27 Analyst: DF
PreparationDate: 06/27/2007 14:34 Prep By: CAH Method: SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07061042-02C	DI-2

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	3.3
Surr: o-Terphenyl	80.9	35-147

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHB_070628B-2277080 Units: mg/Kg
Analysis Date: 06/28/2007 19:44 Analyst: DF
PreparationDate: 06/27/2007 14:34 Prep By: CAH Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	100	79.8	79.8	100	74.7	74.7	6.7	35	34	106
Surr:o-Terphenyl	1.67	2.38	143	1.67	2.15	129	10.4	30	35	147

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07061042-02
RunID: TPHB_070628B-2277082 Units: mg/Kg
Analysis Date: 06/28/2007 20:19 Analyst: DF
PreparationDate: 06/27/2007 14:34 Prep By: CAH Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	100	60.5	56.4	100	59.1	55.0	2.29	38	12	106
Surr:o-Terphenyl	ND	1.67	1.55	92.8	1.67	1.45	86.9	6.61	30	35	147

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

LAFAYETTE LABORATORY
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SCOTT, LA 70583
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Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: RECAP Gasoline Range Organics
Method: SW8015B

WorkOrder: 07061042
Lab Batch ID: R156074

Method Blank

RunID: HPDD_070629L-2278719 Units: mg/Kg
Analysis Date: 06/30/2007 19:15 Analyst: RRH

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07061042-01A	DI-1
07061042-02A	DI-2

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	102.0	46-138
Surr: 4-Bromofluorobenzene	95.3	38-148

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPDD_070629L-2278717 Units: mg/Kg
Analysis Date: 06/30/2007 17:48 Analyst: RRH

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Gasoline Range Organics (C6-C10)	5.00	4.64	92.8	5.00	4.69	93.8	1.1	21	73	126
Surr:1,4-Difluorobenzene	30.0	52.5	175 *	30.0	55.3	184 *	5.3	30	46	138
Surr:4-Bromofluorobenzene	30.0	27.3	91.1	30.0	27.2	90.8	0.3	30	38	148

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: Polynuclear Aromatic Hydrocarbons by Method 8310 **WorkOrder:** 07061042
Method: SW8310 **Lab Batch ID:** 60566

Method Blank

RunID: HPLC3_070628A-2278342 Units: ug/Kg
Analysis Date: 06/29/2007 1:46 Analyst: JNS
PreparationDate: 06/27/2007 14:47 Prep By: CAH Method: SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07061042-02C	DI-2

Analyte	Result	Rep Limit
2-Methylnaphthalene	ND	1.7
Acenaphthene	ND	1.7
Acenaphthylene	ND	1.7
Anthracene	ND	1.7
Benzo(a)anthracene	ND	1.7
Benzo(a)pyrene	ND	1.7
Benzo(b)fluoranthene	ND	1.7
Benzo(k)fluoranthene	ND	1.7
Chrysene	ND	1.7
Dibenzo(a,h)anthracene	ND	1.7
Fluoranthene	ND	1.7
Fluorene	ND	1.7
Indeno(1,2,3-cd)pyrene	ND	1.7
Naphthalene	ND	1.7
Phenanthrene	ND	1.7
Pyrene	ND	1.7
Surr: 9,10-Diphenylanthracene	119.4	16.8-138

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPLC3_070628A-2278343 Units: ug/Kg
Analysis Date: 06/29/2007 2:17 Analyst: JNS
PreparationDate: 06/27/2007 14:47 Prep By: CAH Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2-Methylnaphthalene	33.3	29.4	88.3	33.3	27.0	80.9	8.7	30	16.5	129
Acenaphthene	33.3	31.1	93.3	33.3	27.7	83.3	11.4	30	21.9	130
Acenaphthylene	33.3	24.6	73.8	33.3	25.1	75.5	2.2	30	13.3	132
Anthracene	33.3	32.0	96.1	33.3	32.6	98.0	1.9	30	18.8	113
Benzo(a)anthracene	33.3	29.7	89.1	33.3	30.6	91.9	3.1	30	18.1	113
Benzo(a)pyrene	33.3	28.5	85.4	33.3	29.5	88.6	3.7	30	31.1	101
Benzo(b)fluoranthene	33.3	30.3	91.1	33.3	31.4	94.2	3.3	30	19.4	110
Benzo(k)fluoranthene	33.3	30.8	92.5	33.3	31.5	94.7	2.3	30	16.7	130
Chrysene	33.3	29.9	89.7	33.3	29.2	87.6	2.4	30	47.4	112
Dibenzo(a,h)anthracene	33.3	29.6	88.8	33.3	30.6	92.0	3.5	30	33	129
Fluoranthene	33.3	30.5	91.6	33.3	29.3	88.0	4.0	30	21.4	121

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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SCOTT, LA 70583
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Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: Polynuclear Aromatic Hydrocarbons by Method 8310 **WorkOrder:** 07061042
Method: SW8310 **Lab Batch ID:** 60566

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPLC3_070628A-2278343 Units: ug/Kg
Analysis Date: 06/29/2007 2:17 Analyst: JNS
PreparationDate: 06/27/2007 14:47 Prep By: CAH Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Fluorene	33.3	30.3	90.9	33.3	28.9	86.6	4.7	30	15.2	122
Indeno(1,2,3-cd)pyrene	33.3	32.8	98.4	33.3	31.5	94.5	4.0	30	55.3	112
Naphthalene	33.3	27.0	81.0	33.3	27.4	82.4	1.7	30	34.1	133
Phenanthrene	33.3	28.3	84.9	33.3	25.1	75.5	11.8	30	33.8	109
Pyrene	33.3	28.6	85.8	33.3	29.1	87.4	1.8	30	21.4	115
Surr:9,10-Diphenylanthracene	26.7	28.8	108	26.7	32.2	121	11.4	30	16.8	138

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07061042-02
RunID: HPLC3_070628A-2278346 Units: ug/Kg
Analysis Date: 06/29/2007 3:51 Analyst: JNS
PreparationDate: 06/27/2007 14:47 Prep By: CAH Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
2-Methylnaphthalene	399	33.3	536	N/C	33.3	456	N/C	N/C	30	16.5	129
Acenaphthene	238	33.3	184	N/C	33.3	167	N/C	N/C	30	21.9	130
Acenaphthylene	ND	33.3	26.2	78.5	33.3	21.7	65.0	18.8	30	13.3	132
Anthracene	ND	33.3	27.2	81.5	33.3	27.2	81.6	0.0250	30	18.8	113
Benzo(a)anthracene	2.16	33.3	26.1	72.0	33.3	27.0	74.6	3.18	30	18.1	113
Benzo(a)pyrene	ND	33.3	23.2	69.8	33.3	23.9	71.8	2.92	30	31.1	101
Benzo(b)fluoranthene	ND	33.3	26.7	80.1	33.3	26.8	80.4	0.427	30	19.4	110
Benzo(k)fluoranthene	ND	33.3	25.7	77.0	33.3	26.0	78.1	1.34	30	16.7	130
Chrysene	ND	33.3	25.6	76.9	33.3	26.1	78.5	2.03	30	47.4	112
Dibenzo(a,h)anthracene	ND	33.3	24.8	74.6	33.3	24.5	73.5	1.53	30	33	129
Fluoranthene	2.36	33.3	34.8	97.3	33.3	38.7	109	10.6	30	21.4	121
Fluorene	140	33.3	101	N/C	33.3	87.9	N/C	N/C	30	15.2	122
Indeno(1,2,3-cd)pyrene	ND	33.3	25.3	76.1	33.3	25.4	76.2	0.0437	30	55.3	112
Naphthalene	50.2	33.3	112	186 *	33.3	101	152 *	10.4	30	34.1	133
Phenanthrene	7.16	33.3	38.7	94.8	33.3	30.6	70.4	23.5	30	33.8	109

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: Polynuclear Aromatic Hydrocarbons by Method 8310 **WorkOrder:** 07061042
Method: SW8310 **Lab Batch ID:** 60566

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07061042-02
RunID: HPLC3_070628A-2278346 Units: ug/Kg
Analysis Date: 06/29/2007 3:51 Analyst: JNS
Preparation Date: 06/27/2007 14:47 Prep By: CAH Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Pyrene	ND	33.3	34.8	104	33.3	35.6	107	2.37	30	21.4	115
Surr:9,10-Diphenylanthracene	ND	26.7	29.6	111	26.7	25.0	93.8	16.6	30	16.8	138

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: Total Metals by Method 6010B
Method: SW6010B

WorkOrder: 07061042
Lab Batch ID: 60599

Method Blank

RunID: ICPDV_070629J-2278863 Units: mg/Kg
AnalysisDate: 06/30/2007 9:06 Analyst: RJD
PreparationDate: 06/28/2007 9:40 Prep By: SA Method: SW3050B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07061042-01B	DI-1
07061042-02B	DI-2

Analyte	Result	Rep Limit
Lead	ND	.1

Laboratory Control Sample (LCS)

RunID: ICPDV_070629J-2278864 Units: mg/Kg
AnalysisDate: 06/30/2007 9:11 Analyst: RJD
PreparationDate: 06/28/2007 9:40 Prep By: SA Method: SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Lead	121.0	125.3	103.5	80.6	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07061042-01
RunID: ICPDV_070629J-2278867 Units: mg/Kg
Analysis Date: 06/30/2007 9:27 Analyst: RJD
PreparationDate: 06/28/2007 9:40 Prep By: SA Method: SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Lead	12.87	100	114.4	101.5	100	115.4	102.6	0.8918	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Quality Control Report

ENGINEERING ASSOCIATES, INC

26035

Analysis: Volatile Organics : Method 8260B
Method: SW8260B

WorkOrder: 07061042
Lab Batch ID: R156043

Method Blank

RunID: G_070630B-2278288 Units: ug/Kg
Analysis Date: 06/30/2007 18:53 Analyst: AMT
Preparation Date: 06/30/2007 18:53 Prep By: Method: SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07061042-01A	DI-1
07061042-02A	DI-2

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Methyl tert-butyl ether	ND	5.0
Toluene	ND	1.0
m,p-Xylene	ND	2.0
o-Xylene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,2-Dichloroethane-d4	110.9	58-165
Surr: 4-Bromofluorobenzene	87.5	47-145
Surr: Toluene-d8	96.2	51-147

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: G_070630B-2278285 Units: ug/Kg
Analysis Date: 06/30/2007 17:24 Analyst: AMT
Preparation Date: 06/30/2007 17:24 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	50.0	46.9	93.7	50.0	54.1	108	14.3	21	73	136
Ethylbenzene	50.0	47.6	95.1	50.0	54.9	110	14.4	30	50	150
Methyl tert-butyl ether	50.0	47.2	94.5	50.0	57.5	115	19.6	30	50	150
Toluene	50.0	46.4	92.8	50.0	52.9	106	13.1	20	65	116
m,p-Xylene	100	87.0	87.0	100	99.6	99.6	13.4	30	50	150
o-Xylene	50.0	47.7	95.4	50.0	55.8	112	15.6	30	50	150
Xylenes,Total	150.0	134.7	89.84	150.0	155.4	103.6	14.2	30	50	150
Surr:1,2-Dichloroethane-d4	50.0	52.2	104	50.0	50.7	101	2.9	30	58	165
Surr:4-Bromofluorobenzene	50.0	53.0	106	50.0	52.9	106	0.1	30	47	145
Surr:Toluene-d8	50.0	51.5	103	50.0	51.1	102	0.9	30	51	147

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

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Sample Receipt Checklist

And

Chain of Custody

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Sample Receipt Checklist

Workorder:	07061042	ReceivedBy:	GAS
Date and Time Received:	6/26/2007 5:45:00 PM	Carriername:	SPL-Driver-Other
Temperature:	4°C	Chilled by:	Water Ice

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
2. Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐	
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
4. Chain of custody present?	Yes ☑	No ☐		
5. Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
6. Chain of custody agrees with sample labels?	Yes ☑	No ☐		
7. Samples in proper container/bottle?	Yes ☑	No ☐		
8. Sample containers intact?	Yes ☑	No ☐		
9. Sufficient sample volume for indicated test?	Yes ☑	No ☐		
10. All samples received within holding time?	Yes ☑	No ☐		
11. Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
12. Water - VOA vials have zero headspace?	Yes ☐	No ☐	VOA Vials Not Present ☑	
13. Water - Preservation checked upon receipt (except VOA*)?	Yes ☐	No ☐	NotApplicable ☑	

*VOA Preservation Checked After Sample Analysis

SPL Representative: _____ Contact Date & Time: _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 6706142 — 184558 — page 1 of 1

Client Name: EAI
Address: 1415 Delplera Dr
Phone/Fax: 926-2025 926-2023
Client Contact: S. Funderburk Email:
Project Name/No.: 26035
Site Name: Cracker Barrel Port Allen
Site Location: Port Allen, LA
Invoice To: Ph:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	Requested Analysis: BTEX MTBE B100 3	TPH-GRO B015 R	Lead 6010 B	TPH-DRO B015	PAH B100	Hold for SPLP (Possible)			
DT-1	6/26/07	1220		✓	S	terra core/G		X	5	✓	✓	✓			✓			5
DT-2		1225		✓	S			X	6	✓	✓	✓	✓	✓	✓			6
backfill		1240		✓	S	G	8	X	1						✓			1
T-1 N		1245		✓	S	G	4	X	2						✓			2
T-1 S		1250		✓	S	G	4	X	2						✓			2

Client/Consultant Remarks:

Laboratory remarks: RS-32 (9) BW RS-11 (12) BW-12 (12) SPL-4/4

Intact? Y N
Ice? Y N
Temp: 4°C

Requested TAT

Contract ☐ 72hr ☐
24hr ☐ Standard ☒
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☒

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler:	6/26/07	1550	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date 6/26/07	time 1745	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☒ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

APPENDIX C

UST DISPOSAL MANIFESTS AND WASH WATER MANIFEST

Louisiana Scrap Metal Recycling

991 US 190 West
Port Allen, LA 70767
(225) 389-1108
FAX (225) 389-1101

272354

Date 6-22-07
Customer White Feed WT
Address
Remarks

Truck # Thomas Box #
Driver Bentley Smith 2931506
Material
Weigher:

My signature below certifies that I am the lawful and sole owner of the above property or that the above property has been paid for and that I am authorized to sell said property on behalf of its lawful owner. I hereby sell said property *with full warranty of title.* I agree to defend, indemnity and hold **Louisiana Scrap Metal & Recycling** harmless from any and all claims, demands, causes of action or liens whatsoever arising out of any claim made against it and/or said property, arising out of the sale of the property to **Louisiana *Scrap Metal & Recycling.*** I further warrant that my signature below constitutes full compliance with LSA-R.S. 51:574.

	WEIGHT				
MATERIAL	GROSS	TARE	NET	PRICE	TOTAL
#1 Cup			4.74	[redacted]	[redacted]
					[redacted]

GROSS GROSS 21520 lb
09:51AM 06/22/2007 10620

TARE GROSS 10900 lb
10:00AM 06/22/2007

NET

Owner:

Soc. Sec. # or Driver's License #

Louisiana Scrap Metal Recycling

991 US 190 West
Port Allen, LA 70767
(225) 389-1108
FAX (225) 389-1101

643
565

272333

Date 6-22-07
Customer Mr Bentley
Address
Remarks with trailer

Truck # Thomas Box #
Driver Bentley-Smith 2131506
Material
Weigher: Gwen

My signature below certifies that I am the lawful and sole owner of the above property or that the above property has been paid for and that I am authorized to sell said property on behalf of its lawful owner. I hereby sell said property with full warranty of title. I agree to defend, indemnify and hold **Louisiana Scrap Metal & Recycling** harmless from any and all claims, demands, causes of action or liens whatsoever arising out of any claim made against it and/or said property, arising out of the sale of the property to **Louisiana Scrap Metal & Recycling**. I further warrant that my signature below constitutes full compliance with LSA-R.S. 51:574

	WEIGHT				
MATERIAL	GROSS	TARE	NET	PRICE	TOTAL
#1 Temp			4.60	[redacted]	[redacted]

GROSS GROSS 21220 lb
07:47AM 06/22/2007

TARE GROSS 10920 lb
08:02AM 06/22/2007 10300

NET

Owner:

Soc. Sec. # or Driver's License # [redacted]

Louisiana Scrap Metal Recycling

991 US 190 West
Port Allen, LA 70767
(225) 389-1108
FAX (225) 389-1101

272297

Date 6-21-07
Customer Whitecap Const
Address
Remarks

Truck # Thomas Box #
Driver Bentley-Smith 2431506
Material
Weigher: Gwen

My signature below certifies that I am the lawful and sole owner of the above property or that the above property has been paid for and that I am authorized to sell said property on behalf of its lawful owner. I hereby sell said property with full warranty of title. I agree to defend, indemnity and hold **Louisiana Scrap Metal & Recycling** harmless from any and all claims, demands, causes of action or liens whatsoever arising out of any claim made against it and/or said property, arising out of the sale of the property to **Louisiana Scrap Metal & Recycling.** I further warrant that my signature below constitutes full compliance with LSA-R.S. 51:574.

	WEIGHT				
MATERIAL	GROSS	TARE	NET	PRICE	TOTAL
#1 Dump			4040	[redacted]	[redacted]
					[redacted]

GROSS GROSS 19960 lb
02:07PM 06/21/2007

TARE GROSS 10920 lb
02:07PM 06/21/2007

NET 9040

Owner:

Soc. Sec. # or Driver's License #: 425289723

BEST COPY

SHIPPING DOCUMENT

Gator Environmental

Shipper U.S. EPA I.D. #

Document No. 51026

SHIPPER INFORMATION

SHIPPER NAME Coastal Fuels #29 TRUCK # 24 TLR #

ADDRESS CITY STATE ZIP

133 Loyola Ave. 415 New Orleans LA 70163

PHONE # CONTACT PERSON

Gator Environmental
4968 Robique Rd.
Baton Rouge, LA 70811
225.357.2800

STATE REGISTRATIONS	# T033-12472
U.S. EPA I.D.	# LAR000059915
U.S. D.O.T. REGISTRATION	# 1274737
LPSC	# 7144

Pick up: Tom Bentley, Smith.

STATE REGISTRATIONS	#
U.S. EPA I.D.	#
U.S. D.O.T. REGISTRATION	#

DESIGNATED FACILITY INFORMATION

☒ Gator Environmental
4968 Robique Rd.
Baton Rouge, LA 70811
225.357.2800

☐ ☐

U.S. D.O.T. DESCRIPTION	CONTAINERS: DRUM	CONTAINERS: TANK	TOTAL QUANTITY (GALLONS)	UNIT WT. VOL
☐ Non-hazardous Industrial Wastewater ☐ Used Oil Non DOT Regulated ☐ Used Filters/Absorbants, Non DOT Regulated ☐ Oily Water, Non-hazardous ☐ Recycled Fuel Oil Non DOT Regulated ☐ Fuel Oil, Combustible liquid, 3, NA 1993, PGIII ☐ RQ, Other regulated substances, Liquid, n.o.s., 9, NA 3082, PGIII (ethylene glycol) ☐ Combustible Liquid, n.o.s., (petroleum oil), 3, NA 1993, PGIII ☒ Flammable Liquid, n.o.s.,(petroleum product), 3, UN 1993, PGIII ☐ ☐		1	207	Gal

SHIPPER'S CERTIFICATION: I hereby declare the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highways according to applicable international and national governmental regulations.
I certify that the material removed from the above premises is not hazardous waste as identified in 40 CFR Part 261, and does not contain PCB's as identified in 40 CFR Part 761.

PRINT/TYPE NAME SIGNATURE DATE

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINT/TYPE NAME David Hernandez SIGNATURE DATE 6-2-07

for Gator Environmental

DESIGNATED FACILITY ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINT/TYPE NAME SIGNATURE DATE

White - Original Canary - Accounting Pink - Transport Goldenrod - Generator

COMPLIANCE INSPECTION REPORT
FOR
UNDERGROUND STORAGE TANKS

AI #:	74892	**FID #:**	61-002395	**INSPECTION DATE(S):**	10/16/15
AI NAME:	Cracker Barrel #28				

Have Red Tags Been Applied to any USTs at this facility? ☐ Yes ☐ No ☐ N/A

Physical Address:	133 Lobdell Highway			**Phone:**	225-381-9421
City, State, Zip:	Port Allen		LA 70767	**Parish:**	WBR
Mailing Address:					
	(Address)		(City)	(State)	(Zip)

Facility Representative/Title: Rosetta Tolbat/Manager

UST Owner:	North American Financial	**Phone:**	225-753-3200	**Fax:**	
Mailing Address:	12221 Industriplex Blvd		Baton Rouge	LA	70809
	(Address)		(City)	(State)	(Zip)

Property Owner:	same	**Phone:**		**Fax:**	
Mailing Address:					
	(Address)		(City)	(State)	(Zip)

Fuel Distributor:	Placid Refining Co	**Phone:**	225-387-0278	**Fax:**	
Mailing Address:	1940 Highway 1		Port Allen	La	70767
	(Address)		(City)	(State)	(Zip)

Lead Inspector: Gene Anderson

Additional Inspector(s):

DESIGNATED CLASS A AND CLASS B UST OPERATORS FOR THIS FACILITY:

Class A UST Operator:	Ryan Wooten	**Phone:**	225-756-6753	**Date Certified:**	4/4/13
Mailing Address:	12221 Industriplex Blvd		Baton Rouge	LA	70809
	(Address)		(City)	(State)	(Zip)

Class B UST Operator:	Same	**Phone:**		**Date Certified:**	
Mailing Address:					
	(Address)		(City)	(State)	(Zip)

Class B UST Operator:		**Phone:**		**Date Certified:**	
Mailing Address:					
	(Address)		(City)	(State)	(Zip)

Class B UST Operator:		**Phone:**		**Date Certified:**	
Mailing Address:					
	(Address)		(City)	(State)	(Zip)

List additional UST Operators in Summary of Findings/Comments section below

Has an Operator Training brochure been provided to the UST Owner of this facility? ☒ Yes ☐ No

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

AI #:	74892	FID #:	61-002395	INSPECTION DATE(S):	10/16/15
AI NAME:	Cracker Barrel #28				

Summary of Findings/Comments

CEI conducted on 10/16/15

This site has taken the Class-A-B-C operators training classes.

The site has two ACT-100 tanks installed in 2007. The pressurized product lines are fiberglass. The metal components beneath the dispensers are booted. The metal components in the submersible turbine pump (STP) areas are in contact with water and protected by anodes. The last two cathodic protection surveys were conducted on 11/1/10 and 9/24/13 by Southern Tank Testers.

The release detection method for the tanks is statistical inventory reconciliation (SIR). The SIR is conducted by USTMAN using V-95.2B. The pressurized product lines have automatic line leak detectors (ALLDs) that are tested annually in conjunction with line tightness tests (LTT) and monthly SIR. The last three ALLD and LTT were conducted on 8/27/13, 8/21/14, and 8/20/15 by Southern Tank Testers.

The tanks have spill buckets and ball floats for overfill protection.

Areas of Concern:

None

Report By:	Edd Price	10/16/15
	Gene Anderson, Inspector	(Date)

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

AI #:	74892	FID #:	61-002395	INSPECTION DATE(S):	10/16/15
AI NAME:	Cracker Barrel #28				

Section A Registration Requirements **(Further Explanation Attached ☒)**

1. Are all New and Existing UST systems registered? (New - 301.B; Existing - 301.A.1) ☒ Yes ☐ No ☐ N/A
2. Are all new USTs that contain regulated substances registered? (301.C.4) ☒ Yes ☐ No ☐ N/A
3. Please indicate the number, size, product stored, installation date, and upgrade date for all tanks at the facility?

DEQ TANK ID NUMBER	SIZE OF TANK (GALLONS)	PRODUCT STORED	TANK TYPE	INSTALL DATE	UPGRADE DATE	TANK STATUS (Active, Temp Closed, etc)
57237	15000	gas	ACT-100	7/1/07	n/a	Active
57238	15000	gas/diesel	ACT-100	7/1/07	n/a	Active

Latitude:	Degrees: 30	Minutes: 27	Seconds: 2.8	Tank Hold Area 1
Longitude:	Degrees: 91	Minutes: 14	Seconds: 44.34	
Latitude:	Degrees:	Minutes:	Seconds:	Tank Hold Area 2
Longitude:	Degrees:	Minutes:	Seconds:	

Significant Operational Compliance Components (SOC)

SOC - Release Prevention

Section B Standards for New Underground Storage Tanks (Further Explanation in Narrative ☒)
(Tanks installed after 12/22/88) (Section B Not Applicable ☐)

1. Is each tank properly designed and constructed to prevent corrosion in any portion of the tank that routinely contains product? (303.D.1) ☒ Yes ☐ No ☐ N/A
2. What is the corrosion protection method for the tanks?
   a. Fiberglass reinforced plastic (303.D.1.a) ☐ Yes ☐ No ☒ N/A
   b. Tank constructed of metal and cathodically protected e.g. STI-P3, metal tank with anodes, metal tank with impressed current system (303.D.1.b) Specify: ☐ Yes ☐ No ☒ N/A
   c. Metal-fiberglass-reinforced-plastic composite (ACT-100) (303.D.1.c) ☒ Yes ☐ No ☐ N/A
   d. Records available to document that Corrosion Protection is not necessary. (303.D.1.d; 509.B.1) ☐ Yes ☐ No ☒ N/A
   e. Other corrosion protection (303.D.1.e) Specify: ☐ Yes ☐ No ☒ N/A
3. For USTs installed after 12/20/08, are the USTs secondarily contained? (303.C) ☐ Yes ☐ No ☒ N/A
   a. Double-walled or jacketed construction? (303.D.1.f.i) Specify:
   b. Other secondary containment type approved by the Department prior to installation (303.D.1.f.ii) Specify:

Section C Upgrading Existing Tanks to New System Standards (Further Explanation in Narrative ☐)
(Tanks installed on or before 12/22/88) (Section C Not Applicable ☒)

1. Do the Existing Tank(s) comply with one of the following requirements:
   a. Are all existing tanks upgraded to meet the standards for New UST systems? (303.E.1) ☐ Yes ☐ No ☐ N/A
   If yes, specify tank type:
   b. Are all existing tanks upgraded with cathodic protection? (303.E.1) If yes, complete Sec. C.2 ☐ Yes ☐ No ☐ N/A
2. What method of corrosion protection is used for each tank?
   a. Metal tank retrofitted with interior lining (303.E.3.a) Date Lining Installed: ☐ Yes ☐ No ☐ N/A
   b. Is lining inspected periodically? (303.E.3.a.ii) Date of Last Lining Inspection: ☐ Yes ☐ No ☐ N/A
   c. Metal tank retrofitted with cathodic protection (303.E.3.b) Type of CP: ☐ Yes ☐ No ☐ N/A
   d. If tank >10 years old when CP was added, was a tank integrity test performed? (303.E.3.b) Type of integrity test performed: ☐ Yes ☐ No ☐ N/A
   e. For tanks utilizing the Louisiana Alternative Assessment Protocols, is the tank tested annually in accordance with 701.A.3? (303.E.3.b.iv) ☐ Yes ☐ No ☐ N/A
   f. Internal Lining combined with cathodic protection (303.E.3.c) If CP was not installed at same time as the lining, complete sections C.2.d and e above. ☐ Yes ☐ No ☐ N/A
   g. Other corrosion protection. Specify: ☐ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

AI #:	74892	FID #:	61-002395	INSPECTION DATE(S):	10/16/15
AI NAME:	Cracker Barrel #28				

Section D Standards for New UST Piping System (Piping installed after 12/22/88) (Further Explanation in Narrative ☒) (Section D Not Applicable ☐)

1.	Is **Piping** that routinely contains regulated substances and is in contact with the ground or water designed, constructed, and protected to prevent corrosion? (303.D.2)	☒ Yes ☐ No ☐ N/A
2.	What method of corrosion protection is used for the piping?	
a.	Fiberglass-reinforced plastic piping (303.D.2.a)	☒ Yes ☐ No ☐ N/A
b.	Constructed of metal and cathodically protected e.g. coated w/dielectric material, metal piping with anodes, or metal piping with impressed current system. (303.D.2.b) Specify:	☐ Yes ☐ No ☒ N/A
c.	Metal piping without additional corrosion protection measures. (303.D.2.c) Specify:	☐ Yes ☐ No ☒ N/A
d.	Records available to document Corrosion Protection is not necessary. (509.B.1)	☐ Yes ☐ No ☒ N/A
e.	Non-metallic flexible piping (303.D.2.e)	☐ Yes ☐ No ☒ N/A
3.	For piping installed after 12/20/08, is the new piping secondarily contained? (303.C)	☐ Yes ☐ No ☒ N/A
a.	Double-walled? (303.D.2.f.i for new install; 303.D.2.g for new piping at existing site; 507.A.7 for repairs >25%) Specify:	
b.	Other secondary containment type approved by the Department prior to installation (303.D.2.f.ii) Specify:	
4.	Are all **metal components (flexible connectors, submersible turbine pumps)** that routinely contain regulated substances and are in contact with the ground or water designed, constructed, and protected to prevent corrosion? (303.D.2)	☒ Yes ☐ No ☐ N/A
a.	Constructed of metal and cathodically protected e.g. coated w/dielectric material, metal piping protected with anodes or an impressed current system, contained in dry sumps. (303.D.2.b) Specify: booted & anodes	☒ Yes ☐ No ☐ N/A
b.	Metal piping components without additional corrosion protection measures. (303.D.2.c; 509.B.1) Specify:	☐ Yes ☐ No ☒ N/A
5.	For pressurized piping systems and non-safe suction systems, are all impact valves (shear valves) properly installed (moving parts unobstructed, shear valve properly anchored)? (501.A and NFPA 30A Chapter 6 Paragraph 3.9) **(New & Existing Systems)**	☒ Yes ☐ No ☐ N/A

Section E Existing Piping Upgrading Requirements (Piping installed on or before 12/22/88) (Further Explanation in Narrative ☐) (Section E Not Applicable ☒)

1.	Has **Existing Piping** been upgraded with corrosion protection by 12/22/98? (303.E.1)	☐ Yes ☐ No ☐ N/A
2.	Is **Existing Piping and metal components** protected from corrosion? (303.E.4) Complete Section D.	☐ Yes ☐ No ☐ N/A

Section F Spill and Overfill for New UST Systems (UST systems installed after 12/22/88) (Further Explanation in Narrative ☐) (Section F Not Applicable ☐)

1.	Is each tank equipped with Spill Prevention Equipment to prevent a release of product when the transfer hose is detached from the fill pipe? (303.D.3.a.i) Date Installed: 08/07	☒ Yes ☐ No ☐ N/A
a.	Does the spill prevention equipment have liquid tight sides and bottom (not cracked or broken)? (303.D.3.a.i)	☒ Yes ☐ No ☐ N/A
b.	Does the spill bucket contain less than one inch of regulated substance? Regulated substances spilled into any spill bucket must immediately be removed by the UST Owner/Operator or fuel distributor, common carrier, or transporter. (303.D.3.a.i) If more than 1 inch, list the amount of fuel present and list the fuel deliverer:	☒ Yes ☐ No ☐ N/A
2.	Is each tank equipped with Overfill Prevention Equipment? (303.D.3.a.ii) Date Installed: 08/07	☒ Yes ☐ No ☐ N/A
3.	Is the Overfill Prevention Equipment designed to:	
a.	Automatically shut off flow to the tank when the tank is no more than 95% full? e.g. **butterfly valve** (303.D.3.a.ii.(a)) (device not tampered with or inoperable)	☐ Yes ☐ No ☒ N/A
b.	Alert the transfer operator when the tank is no more than 90 % full by restricting flow into the tank **(ball float valve)** or triggering a high-level alarm **(overfill alarm)**? (Is the alarm near the fill port? Does it work?) (303.D.3.a.ii.(b))	☒ Yes ☐ No ☐ N/A
c.	Restrict the flow 30 minutes prior to overfilling or alert the operator one minute before overfilling? (303.D.3.a.ii(c))	☐ Yes ☐ No ☒ N/A
d.	If ball float valves are used, is the piping system pressurized. Ball float valves are not allowed for use on suction piping delivery systems (303.D.6.a and PEI/RP100-2005, Chapter 7.3.3 for **New Systems**; 303.E.5 and PEI/RP100-2005, Chapter 7.3.3 for **Existing Systems**)	☒ Yes ☐ No ☐ N/A
4.	Alternative type of Spill or Overfill Prevention Equipment being used? (303.D.3.b) Specify:	

Section G Spill and Overfill for Existing Tanks (UST systems installed on or before 12/22/88) (Further Explanation in Narrative ☐) (Section G Not Applicable ☒)

1.	Has each tank been upgraded with Spill and Overfill Prevention Equipment by 12/22/98? (303.E.1)	☐ Yes ☐ No ☐ N/A
2.	Is each tank equipped with Spill and Overfill Prevention Equipment? (303.E.5) Complete Section F.	☐ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

AI #:	74892	FID #:	61-002395	INSPECTION DATE(S):	10/16/15
AI NAME:	Cracker Barrel #28				

Section H Under-Dispenser Containment (Dispensers installed after 12/20/08) (Further Explanation in Narrative ☐) (Section H Not Applicable ☒)

1.	For dispensers installed after 12/20/08:	
a.	Is each new dispenser at a new facility equipped with Under-Dispenser Containment? (303.D.4.a.i)	☐ Yes ☐ No ☐ N/A
b.	Is each new dispenser at an existing facility where new pipe was added to connect the new dispenser to the existing system equipped with Under-Dispenser Containment? (303.D.4.a.ii)	☐ Yes ☐ No ☐ N/A
c.	Is each replacement dispenser at an existing facility where piping that connects the dispenser to the existing piping is replaced equipped with Under-Dispenser Containment? (303.D.4.a.iii)	☐ Yes ☐ No ☐ N/A
2.	Does each UDC sump subject to the 12/20/08 UDC requirements have liquid-tight sides and bottom, and maintained free of storm water, debris, and regulated substances? (303.D.4.b if IM not required; 701.B.4.a if IM is required)	☐ Yes ☐ No ☐ N/A

Section I Submersible Turbine Pump (STP) Secondary Containment (STP installed after 12/20/08) Further Explanation in Narrative ☐) (Section I Not Applicable ☒)

1.	For submersible turbine pumps installed after 12/20/08:	
a.	Is each new STP at a new facility equipped with Secondary Containment? (303.D.5.a.i)	☐ Yes ☐ No ☐ N/A
b.	Is each new STP at an existing facility where new pipe was added to connect the new STP to the existing system equipped with Secondary Containment? (303.D.5.a.ii)	☐ Yes ☐ No ☐ N/A
c.	Is each replacement STP at an existing facility where piping that connects the STP to the existing piping is replaced equipped with Secondary Containment? (303.D.5.a.iii)	☐ Yes ☐ No ☐ N/A
2.	Does each STP containment sump subject to the 12/20/08 STP Secondary Containment requirements have liquid-tight sides and bottom, and maintained free of storm water, debris, and regulated substances? (303.D.5.b if IM not required; 701.B.4.a if IM is required)	☐ Yes ☐ No ☐ N/A

Section J Operation and Maintenance of Corrosion Protection Systems (Further Explanation in Narrative ☒) (Section J Not Applicable ☐)

1.	Is the corrosion protection system continuously operated and maintained to provide corrosion protection to metal components of external portions of the tanks and piping that routinely contain regulated substance and are in contact with the ground or water? (503.A.1)	☒ Yes ☐ No ☐ N/A
2.	Are the cathodic protection systems inspected by qualified testers? (503.A.2)	☒ Yes ☐ No ☐ N/A
3.	Was the cathodic protection system tested within six months after installation? (503.A.2.a)	☐ Yes ☐ No ☐ N/A
4.	Is the system tested at least every three years? (503.A.2.a)	☒ Yes ☐ No ☐ N/A
5.	Does the inspection meet the requirements of a code of practice developed by a nationally recognized association? (503.A.2.b)	☒ Yes ☐ No ☐ N/A
6.	As outlined in 503.B.2, does the facility have copies of the last two CP inspections? (509.B.2)	☒ Yes ☐ No ☐ N/A
7.	If the UST system has an impressed current, is the rectifier inspected every 60 days? (503.A.3)	☐ Yes ☐ No ☒ N/A
8.	As outlined in 503.B.1, does the facility have copies of the last 3 years of rectifier inspections? (509.B.2)	☐ Yes ☐ No ☒ N/A
9.	Are all records of UST system repairs retained for the operating life of the UST system? (507.B)	☐ Yes ☐ No ☒ N/A
a.	Is a tightness test performed on the tank and/or piping within 30 days of a repair if applicable? (507.A.5) (Not required if the repaired portion is monitored for releases under 701.A.4-8).	☐ Yes ☐ No ☒ N/A
b.	Is the cathodic protection system tested within six months of a repair? (507.A.6)	☐ Yes ☐ No ☒ N/A

SOC - Release Detection

Section K Release Detection Requirements for UST System (Further Explanation in Narrative ☒) (Section K Not Applicable ☐)

1.	Does the facility perform a method of release detection? Check "No" if no RD conducted (703.A.1)	☒ Yes ☐ No ☐ N/A
2.	Is the method of release detection capable of detecting a release from any portion of the tank that routinely contains product? (703.A.2.a)	☒ Yes ☐ No ☐ N/A
3.	Is the release detection system installed, calibrated, operated, and maintained in accordance with the manufacturer's instructions including routine maintenance, etc.? (703.A.2.b)	☒ Yes ☐ No ☐ N/A
4.	Does the release detection system meet the performance standards outlined in 703.A.2.c? (Check third party certification against equipment or method present) (703.A.2.c)	☒ Yes ☐ No ☐ N/A
5.	Are all USTs monitored at least every 30 days for releases? (703.B.1)	☒ Yes ☐ No ☐ N/A
6.	For UST systems subject to the 12/20/08 Secondary Containment Requirements::	
a.	Is Interstitial Monitoring conducted on all tanks subject to the 12/20/08 SC requirements? (303.D.1.f.i)	☐ Yes ☐ No ☒ N/A
b.	Is Interstitial Monitoring conducted on all piping subject to the 12/20/08 SC requirements? (303.D.2.f.i for new install; 303.D.2.g for new piping at existing site; 507.A.7 for repairs >25%)	☐ Yes ☐ No ☒ N/A

Section L Release Detection Record Keeping (Further Explanation in Narrative ☒) (Section L Not Applicable ☐)

1.	As outlined in 705.A.1, does the facility maintain all written performance claims and documentation provided by the release detection vendor throughout the operating life of the equipment? (509.B.4)	☒ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative. Use narrative / summary of findings area to describe all areas of concern in greater detail.

AI #:	74892	FID #:	61-002395	INSPECTION DATE(S):	10/16/15
AI NAME:	Cracker Barrel #28				

2. As outlined in 705.A.2 and 3, does the facility maintain all monitoring results, sampling records, equipment testing, calibration and maintenance records, or leak detection equipment repair records for at least three years? (509.B.4) Specify: SIR records — ☒ Yes ☐ No ☐ N/A

3. As outlined in 705.A.2, are all tank tightness-testing records retained until the next test is conducted? (509.B.4) — ☐ Yes ☐ No ☒ N/A

4. As outlined in 705.A.3, are schedules of required calibration and maintenance for release detection equipment retained for 5 years from date of installation? (509.B.4) — ☒ Yes ☐ No ☐ N/A

Section M Release Reporting (Further Explanation in Narrative ☐) (Section M Not Applicable ☒)

Suspected Releases

1. When a release detection method indicates that a release may have occurred; has the facility notified the department of a suspected release? (703.A.3 or 707.A) — ☐ Yes ☐ No ☐ N/A
2. Has the facility notified the department of any other suspected release (regulated substance discovered, unusual operating conditions)? (707.A) — ☐ Yes ☐ No ☐ N/A
3. Facility has resolved suspected releases in accordance with procedures outlined in 711 or 715? (Cite applicable 711 or 715 regulation) — ☐ Yes ☐ No ☐ N/A

Spills and Overfills

1. Has the facility reported, investigated, and cleaned-up any spills and overfills as required by 713.A (501.C) — ☐ Yes ☐ No ☐ N/A

Section N Release Detection Methods for Tanks (Further Explanation in Narrative ☒)
(Fill out only the applicable sections, all others can remain blank) (Section N Not Applicable ☐)

☐ **1. Inventory Control with Tank Tightness Testing (701.A.1)** Deadline date:

a. Are inputs, withdrawals, amounts in tank recorded daily or on each operating day? (701.A.1.a) — ☐ Yes ☐ No ☐ N/A
b. Is the measuring equipment capable of measuring the level of the product over the full range of the tank's height to the nearest one-eighth of an inch? (701.A.1.b) — ☐ Yes ☐ No ☐ N/A
c. Are inputs reconciled with delivery receipts? (701.A.1.c) — ☐ Yes ☐ No ☐ N/A
d. Are deliveries made through a drop tube which extends to within 1foot of bottom? (701.A.1.d) — ☐ Yes ☐ No ☐ N/A
e. Are measurements of water level made to the nearest 1/8 inch at least once a month? (701.A.1.f) — ☐ Yes ☐ No ☐ N/A
f. Is the TTT conducted every 5 years as required and is TTT method capable of detecting a 0.1 gal/hr leak rate from any portion of the tank routinely containing product? (703.B.1.a) — ☐ Yes ☐ No ☐ N/A
Date of Last Tank Tightness Test:
g. TTT conducted following the manufacturer's instructions or third party certification. (703.A.2.c) — ☐ Yes ☐ No ☐ N/A
h. Within the 10 year time frame for using IC/TTT? (703.B.1.a) Expiration Date: — ☐ Yes ☐ No ☐ N/A

☐ **2. Manual Tank Gauging (MTG)** (tanks <2000 gal) **(701.A.2)** Deadline date:

a. If tank is >550 gal and < 2000 gal, is tank tightness being conducted every 5 years? (703.B.1.a) Date of last tank tightness test: — ☐ Yes ☐ No ☐ N/A
b. Tank size is appropriate for using MTG (701.A.2) — ☐ Yes ☐ No ☐ N/A
c. Method is being conducted properly (701.A.2.d) — ☐ Yes ☐ No ☐ N/A
d. No liquid is added to or taken out of tank during test. (701.A.2.a) — ☐ Yes ☐ No ☐ N/A
e. Equipment is capable of 1/8-in measurement (701.A.2.c) — ☐ Yes ☐ No ☐ N/A
f. Within the 10 year time frame for using MTG/TTT for tanks between 550 and 2000 gallons? (703.B.1.a) Expiration Date: — ☐ Yes ☐ No ☐ N/A

☐ **3. Automatic Tank Gauging (ATG) (701.A.4)**

Make and Model: Gilbarco Veeder/Root Probe Type: Mag-1

a. Is the ATG capable of detecting a leak of 0.2 gal/hr leak rate? (701.A.4.a.i) — ☐ Yes ☐ No ☒ N/A
b. If ATG installed prior to 12/22/90 and is not capable of pd > 0.95 and a pfa < 0.05, is inventory control (or other equivalent performance test) being conducted in accordance with monthly leak detection requirements? (701.A.4.a.ii.) — ☐ Yes ☐ No ☒ N/A
c. As the sole method of release detection, the ATG must test the tank at least once per month in a manner that can detect a 0.2 gal/hr release with a pd > 0.95 and a pfa < 0.05 (701A.4.b) — ☐ Yes ☐ No ☒ N/A
d. Does the ATG generate a hard copy which contains the following:
   i. the time and date of the test (701.A.4.b.i); — ☐ Yes ☐ No ☒ N/A
   ii. the tank identification (701.A.4.b.ii); — ☐ Yes ☐ No ☒ N/A
   iii. the fuel volume in the tank at the time of the test (701.A.4.b.iii); — ☐ Yes ☐ No ☒ N/A
   iv. the qualitative result either "pass" or "fail" (701.A.4.b.iv) — ☐ Yes ☐ No ☒ N/A

☐ **4. External Release Detection Devices (701.A.5)**

a. General Requirements for Release Detection Devices
i. Do the RDDs meet the general requirements for construction? (701.A.5.a.i) — ☐ Yes ☐ No ☐ N/A
ii. RDDs screened from 1 ft below the surface throughout the entire excavation zone? (701.A.5.a.ii) — ☐ Yes ☐ No ☐ N/A
iii. Are the RDDs sealed and locked? (701.A.5.a.iii) — ☐ Yes ☐ No ☐ N/A
iv. Are the RDDs installed in backfill? (701.A.5.a.iv, 701.A.5.b.1, and 701.A.5.c.ii) Type of backfill: — ☐ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

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v. If RDD installed in native soil, is hydraulic conductivity greater than 0.01 cm/sec? (701.A.5.a.iv)	☐ Yes ☐ No ☐ N/A
vi. Are RDDs in the correct number and properly positioned? (701.A.5.a.v)	☐ Yes ☐ No ☐ N/A
☐ **b. Vapor Monitoring (701.A.5.b)**	
i. Is the regulated substance (or tracer) sufficiently volatile to allow vapors to be detected by the monitoring device? (701.A.5.b.ii)	☐ Yes ☐ No ☐ N/A
ii. Vapor monitoring is not affected by high ground water. (701.A.5.b.iii)	☐ Yes ☐ No ☐ N/A
iii. Is a release detectable without interference from background concentrations? (701.A.5.b.iv)	☐ Yes ☐ No ☐ N/A
iv. Is the monitoring device designed and operated to detect any significant increase in concentration above background? (701.A.5.b.v)	☐ Yes ☐ No ☐ N/A
☐ **c. Groundwater Monitoring (701.A.5.c.)**	
i. Is regulated substance immiscible in water and have a specific gravity less than one? (701.A.5.c.i)	☐ Yes ☐ No ☐ N/A
ii. Water in the monitoring well is never more than 20 feet from the ground surface? (701.A.5.c.ii)	☐ Yes ☐ No ☐ N/A
iii. Does RDD prevent migration of soils into RDD, and can regulated substance enter RDD in both low and high water conditions? (701.A.5.c.iii)	☐ Yes ☐ No ☐ N/A
iv. Can continuous monitoring device or manual method detect 1/8-in of free product? (701.A.5.c.iv)	☐ Yes ☐ No ☐ N/A
☐ **5. Interstitial Monitoring (701.A.6.)**	
a. Describe the UST system which uses IM e.g. double walled tank, secondary barrier: Explain:	☐ Yes ☐ No ☐ N/A
b. Can the method detect a release through the inner wall of the tank? (701.A.6.a)	☐ Yes ☐ No ☐ N/A
c. Is Interstitial Monitoring conducted in accordance with 701.A.6 for tanks subject to the 12/20/08 Secondary Containment requirements (303.D.1.f.i), by either:	☐ Yes ☐ No ☐ N/A
i. Continuous interstitial monitoring by an automatic leak sensing device that signals to the operator the presence of any regulated substance in the interstitial space or sump (701.A.6.a) Specify Method:	☐ Yes ☐ No ☐ N/A
OR	
ii. Manual interstitial monitoring every 30 days by means of a procedure capable of detecting the presence of any regulated substance in the interstitial space or sump (701.A.6.a) Specify Method:	☐ Yes ☐ No ☐ N/A
☒ **6. Statistical Inventory Reconciliation (SIR) (701.A.7)**	
a. Can the SIR method detect a release of 0.2gal/hr from any portion of the UST System that routinely contains product with a pd > 0.95 and a pfa < 0.05? (701.A.7.a)	☒ Yes ☐ No ☐ N/A
b. Did the owner/operator receive the monthly report(s) from the SIR provider/vendor within 15 days following the last day of the calendar month for which the analysis was performed? (701.A.7.b)	☒ Yes ☐ No ☐ N/A
c. Did the SIR analysis report include the following information:	
i. the name of the SIR provider and the name and version of the SIR method (701.A.7.b.i);	☒ Yes ☐ No ☐ N/A
ii the name and address of the facility at which the analysis was performed (701.A.7.b.iii);	☒ Yes ☐ No ☐ N/A
iii. a description of the UST system for which the analysis was performed (701.A.7.b.iii);	☒ Yes ☐ No ☐ N/A
iv. a quantitative statement, in gallons/hr, for each UST system monitored for the month, of the leak threshold, minimum detectable leak rate, and the indicated leak rate (701.A.7.b.iv);	☒ Yes ☐ No ☐ N/A
v. a qualitative statement of "pass," "fail," or "inconclusive" for each UST system monitored (701.A.7.b.v)	☒ Yes ☐ No ☐ N/A
☐ **7. Other Method: (701.A.8)** Specify Method:	
a. Method can detect 0.2 gal/hr leak rate or a release of 150 gal within a month; & meet the 95/5 probability requirement. (701.A.8.a) **OR**	☐ Yes ☐ No ☐ N/A
b. EPA/LDEQ has approved the method as being as effective as Tank Tightness testing, ATG, vapor monitoring, ground water monitoring, or interstitial monitoring and operator complies with any conditions imposed by the agency. (701.A.8.b)	☐ Yes ☐ No ☐ N/A
Section O Methods of Release Detection for Piping (Fill out only the applicable sections, all others can remain blank)	**Further Explanation in Narrative ☒) (Section O Not Applicable ☐)**
Is release detection performed on the UST system's piping? (703.B.2) Check the appropriate piping system.	☒ Yes ☐ No ☐ N/A
☒ **1. Pressurized Piping**	
a. Which of the following methods of leak detection does the facility use for pressurized piping? (703.B.2.a)	
i. Automatic Line Leak Detectors (ALLD) (one of the following methods is required on all pressurized lines, regardless of line leak detection method used) (703.B.2.a.i)	☒ Yes ☐ No ☐ N/A
1. Automatic flow restrictor, or	☒ Yes ☐ No ☐ N/A
2. Automatic shutoff, or	☐ Yes ☐ No ☒ N/A
3. Continuous audible or visual alarm	☐ Yes ☐ No ☒ N/A
4. Is a performance test conducted every 12 months on the line leak detector according to manufacturer's requirements **and** also by simulating a release in order to determine if the system is fully operational? (701.B.1) Dates of last 3 tests: 8/20/15	☒ Yes ☐ No ☐ N/A
AND	
ii. One other method (703.B.2.a.ii)	☒ Yes ☐ No ☐ N/A
1 A line tightness test conducted every 12 months (703.B.2.a.ii); Dates of last 3 tests: 8/20/15	☒ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative. Use narrative / summary of findings area to describe all areas of concern in greater detail.

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AI NAME:	Cracker Barrel #28				

	2. Is LTT method capable of detecting a 0.1 gal/hr leak rate from any portion of the piping routinely containing product? (701.B.2)	☒ Yes ☐ No ☐ N/A
OR		
	3. Monthly monitoring? (703.B.2.a.ii) Specify Type: SIR records	☒ Yes ☐ No ☐ N/A
b.	Is Interstitial Monitoring conducted in accordance with 701.B.4 for piping subject to the 12/20/08 Secondary Containment requirements (303.D.2.f.i for new install; 303.D.2.g for new piping at existing site; 507.A.7 for repairs >25%), by either:	☐ Yes ☐ No ☒ N/A
	i. Continuous interstitial monitoring by an automatic leak sensing device that signals to the operator the presence of any regulated substance in the interstitial space or sump (701.B.4) Specify Method:	☐ Yes ☐ No ☒ N/A
	OR	
	ii. Manual interstitial monitoring every 30 days by means of a procedure capable of detecting the presence of any regulated substance in the interstitial space or sump (701.B.4) Specify Method:	☐ Yes ☐ No ☒ N/A
c.	For piping utilizing interstitial monitoring, is all piping interstitial space and/or are all sumps maintained free of water, debris, or anything that could interfere with the leak detection capabilities? (701.B.4.a)	☐ Yes ☐ No ☒ N/A
☐	**2. Suction Piping**	
a.	Which of the following leak detection methods does the facility use for suction piping? (703.B.2.b)	
	i. (Safe Suction) No release detection is required if piping is sloped to drain product back into tank **and** only one check valve is present and located directly below or as close as practicable to the suction pump (703.2.b) **OR**	☐ Yes ☐ No ☐ N/A
	ii. Line tightness test every 3 years? (703.B.2.b) Date of last test:	☐ Yes ☐ No ☐ N/A
OR	iii. Monthly monitoring? (703.B.2.b) Specify Type:	☐ Yes ☐ No ☐ N/A

Section P Requirements for Temporary Closure (903) **(Further Explanation in Narrative ☐)** **(Section P Not Applicable ☒)**

1.	For UST systems in temporary closure; has the facility:	
	a. If greater than 1 inch of product remains, is monthly release detection conducted? (903.A) Specify Type of RD performed:	☐ Yes ☐ No ☐ N/A
	b. If applicable, has the Cathodic Protection been maintained? (903.A)	☐ Yes ☐ No ☐ N/A

NON-Significant Operational Compliance Components

Section Q Temporary Closure Continued (Not Applicable ☒) (Further Explanation in Narrative ☐)

1.	For UST systems temporarily closed for 3 months or more, did the owner/operator:	
	a. Leave vent line open and functional? (903.B.1)	☐ Yes ☐ No ☐ N/A
	b. Cap and secure all other lines, pump, manways, and ancillary equipment? (903.B.2)	☐ Yes ☐ No ☐ N/A
	c. Notify the Department of the temporary closure status (UST-REG-01 form)? (903.B.3)	☐ Yes ☐ No ☐ N/A
	d. Perform a tank tightness test within five days after the system was brought back into service after being in temporary closure 3 months or more? (903.E)	☐ Yes ☐ No ☐ N/A
2.	For any non-upgraded UST system that has been temporarily closed for more than 6 months, has the owner/operator permanently closed the system? (903.C)	☐ Yes ☐ No ☐ N/A
3.	If a UST system has been temporarily closed for more than 24 months, has the owner/operator:	
	a. performed a site assessment in accordance with 907? (903.D); (note: do not cite if facility re-opened after being in temporary closure >24 months)	☐ Yes ☐ No ☐ N/A
	b. was the results of the site assessment submitted to DEQ within 60 days following the end of the 24 month period? (903.D)	☐ Yes ☐ No ☐ N/A

Section R Additional Paperwork Requirements
(Not Applicable ☐) (Further Explanation in Narrative ☒)

1.	Is the information on the UST-REG-01 form current and accurate? (Existing - 301.A.3, New - 301.B)	☒ Yes ☐ No ☐ N/A
2.	Is the information on the REG-02 form current and accurate? (Existing – 303.E.6.b, New - 301.B.1)	☒ Yes ☐ No ☐ N/A
3.	Has an amended Registration form been submitted within 30 days of acquiring a UST? (301.C.2)	☐ Yes ☐ No ☒ N/A
4.	Is a copy of the current registration form kept on-site or at the nearest staffed facility? (301.C.3)	☒ Yes ☐ No ☐ N/A
5.	Has the owner/operator submitted the following information to the department:	
	a. Registration form for all UST systems, including installation certification and installer verification for new tank systems (509.A.1)	☒ Yes ☐ No ☐ N/A
	b. Reports of all releases, suspected releases, spills and overfills, and confirmed releases (509.A.2)	☐ Yes ☐ No ☒ N/A
	c. Descriptions of corrective action plans, site characterizations, free product removal investigation of soil and groundwater cleanup, and corrective action plan (509.A.3)	☐ Yes ☐ No ☒ N/A
	d. Notification before permanent closure or change-in-service (509.A.4)	☐ Yes ☐ No ☒ N/A
	e. Results of site assessment conducted at permanent closure (509.A.5)	☐ Yes ☐ No ☒ N/A
6.	Has the owner/operator maintained the following documents:	
	a. Documentation of UST system repairs (509.B.3)	☐ Yes ☐ No ☒ N/A
	b. A copy of the most current registration forms (UST-REG-01 and 02) filed with DEQ? (509.B.5)	☒ Yes ☐ No ☐ N/A
	c. Documentation of the type and construction of the tanks, piping, leak detection equipment,	☒ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

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AI NAME:	Cracker Barrel #28				

	corrosion protection equipment, and spill and overfill protection equipment? (509.B.6)	
7.	Was the facility able to provide the records in a timely fashion as required by the inspector? (509.C)	☒ Yes ☐ No ☐ N/A
Section S	**General Requirements (Not Applicable ☐) (Further Explanation in Narrative ☒)**	
1.	Are the materials being stored compatible with the materials or liner in the UST system? (505.A)	☒ Yes ☐ No ☐ N/A
Section T	**Financial Responsibility (Not Applicable ☐) (Further Explanation in Narrative ☒)**	
1.	Has the facility paid its annual monitoring and maintenance fee (Current Certificate)? (307.D)	☒ Yes ☐ No ☐ N/A
2.	Can the owner/operators demonstrate financial responsibility for taking corrective action etc., i.e. how is he going to pay for the cleanup of a release? (1133.A.) What type of financial responsibility is used? Explain: trust fund	☒ Yes ☐ No ☐ N/A
Section U	**Operator Training (Not Applicable ☐) (Further Explanation in Narrative ☒)**	
1.	Does the facility have the following Certified UST Operators:	
	a. Certified Class A UST Operator(s)	☒ Yes ☐ No ☐ N/A
	i. If no, has LDEQ provided the UST Owner at least 9 months notice? (607.B.1)	☐ Yes ☐ No ☒ N/A
	ii If no, has LDEQ provided the UST Owner less than 9 months notice? (607.B.2)	☐ Yes ☐ No ☒ N/A
	b. Certified Class B UST Operator(s)	☒ Yes ☐ No ☐ N/A
	i. If no, has LDEQ provided the UST Owner at least 9 months notice? (607.B.1)	☐ Yes ☐ No ☒ N/A
	ii If no, has LDEQ provided the UST Owner less than 9 months notice? (607.B.2)	☐ Yes ☐ No ☒ N/A
	c. Certified Class C UST Operator(s) (607.C)	☒ Yes ☐ No ☐ N/A
2.	After 8/8/12, were all newly-designated Class A or B Operators certified within 30 days after assuming operation and maintenance responsibilities at the UST system? (607.D)	☐ Yes ☐ No ☒ N/A
3.	After 8/8/12, were all newly-designated Class C Operators certified before assuming unsupervised responsibility for responding to emergencies at the UST facility? (607.E)	☐ Yes ☐ No ☒ N/A
4.	Have the Certified Class A or B UST Operator(s) for this facility met the 3 year re-training requirement? (609.A)	☒ Yes ☐ No ☐ N/A
5.	Has the owner/operator maintained the following documents:	
	a. Training certificate for each person who is currently serving as a Class A, Class B, or Class C UST Operator? (611.A.1)	☒ Yes ☐ No ☐ N/A
	b. Posted site-specific emergency procedures, location of emergency shut-off devices, and appropriate emergency contact telephone numbers in a prominent area at the UST facility that is easily visible to the Class C Operator? (611.A.2)	☒ Yes ☐ No ☐ N/A
Section V	**Compliance (Not Applicable ☐) (Further Explanation in Narrative ☒)**	
Has the facility complied with all of the regulations or any order issued by the department? If not, this constitutes a violation of the Act. Enforcement Tracking # of Order not in compliance with:		☒ Yes ☐ No ☐ N/A

Note: All questions are to be answered. If unable to determine, write 'unknown' and explain in narrative.
Use narrative / summary of findings area to describe all areas of concern in greater detail.

Louisiana Department of Environmental Quality
FIELD INTERVIEW FORM

Agency Interest #: 74892 Inspection Date: 10/16/15 Time of Arrival: 0720
Departure Date: 10/16/15 Time of Departure: 0830

Facility Name: Cracker Barrel #28 Phone #: 225-381-9421
Location: 133 Lobdell Highway, Port Allen, LA 70767

Parish Name: WBR

Mailing Address: Same
Street/P.O. Box City State Zip

Facility Representative: Rosetta Tolbat Title: Manager

Inspection Type: Compliance Program Involved: ☐ Air ☐ Waste ☐ Water Other UST

Inspector's Observations: (e.g. Areas and Equipment Inspected, Problems, Deficiencies, Remarks, Verbal Commitments from Facility Representatives)
CEI conducted on 10/16/15
This site has taken the Class-A-B-C operators training classes. The site has two ACT-100 tanks installed in 2007. The pressurized product lines are fiberglass. The metal components beneath the dispensers are booted. The metal components in the STP areas are in contact with water and protected by anodes. The last two cathodic protection surveys were conducted on 11/1/10 and 9/24/13 by Southern Tank Testers.

The release detection method for the tanks is SIR. The SIR is conducted by USTMAN using V-95.2B. The pressurized product lines have ALLDs that are tested annually in conjunction with LTT and monthly SIR. The last three ALLD and LTT were conducted on 8/27/13,8/21/14 and 8/20/15 by Southern Tank Testers.

The tanks have spill buckets and ball floats for overfill protection.

Areas of Concern:
None

Areas of Concern	Explanation	Resolved?
		☐YES ☐ NO
		☐YES ☐ NO
		☐YES ☐ NO
		☐YES ☐☐ NO

Photos Taken? ☐ YES ☒ NO Samples Taken? ☐ YES ☒ NO (Attach Chain-of-Custody)

Received by: Signature: Rosetta Tolbat Title: Store Manag

Print Name: Rosetta Tolbat

(NOTE: Signature DOES NOT indicate agreement with Inspector's Notes)

Inspector(s): Gene Anderson Attachments: N/A

Gene Anderson

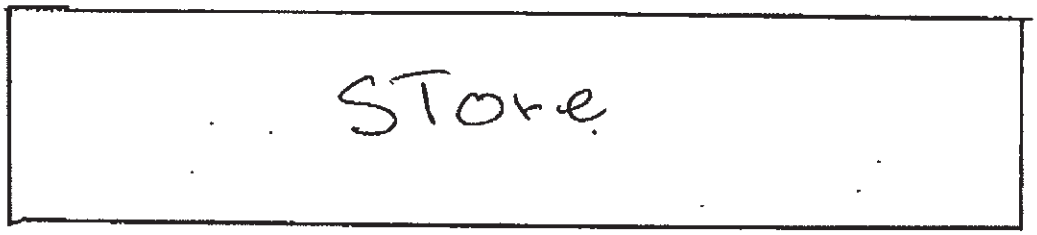
Reviewer:

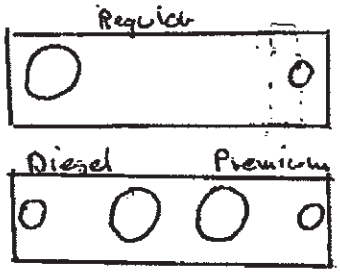
NOTE: The information contained on this form reflects only the preliminary observations of the inspector(s). It should not be interpreted as a final determination by the Department of Environmental Quality or any of its officers or personnel as to any matter, including, but not limited to, a determination of compliance or lack thereof by the facility operator with any requirements of statutes regulations or permits. Each day of non-compliance constitutes a separate violation of the regulations and/or the Louisiana Environmental Quality Act.

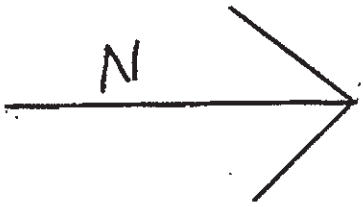
UST SITE DRAWING FORM

Facility: Cracker Barrel # 28 Agency Interest No.: 74892

Address: 137 Lobdell Hwy. Port Allen, LA







G UST

D Discrete Dispensers

G

Store / Building

Contents of UST and Product Dispensed:
G = Gasoline or gasohol (E10)
E85 = 85% Ethanol
B## = Biodiesel and %Biodiesel
D = Diesel
UO = Used Oil

G, D MPDs

G, D

Dispenser Islands

Road Name

Louisiana Department of Environmental Quality
Agency Interest GPS Location Form

Agency Interest #: 74892 **Date GPS Location Point Acquired:** 10/16/15

Facility Name: Cracker Barrel #28 **Phone #:** 225-381-9421
Facility Location: 133 Lobdell Highway
Port Allen, LA 70767

Parish Name: EBR

Mailing Address:
Street/P.O. Box | City | State | Zip

Facility Representative: Rosetta Tolbat **Title:** Manager

Program Involved:	☐	IAS	☐	Hazardous Waste	☐	UST	☒	Solid Waste	☐	Other:	
Media Involved:	☐	**Air**	☐	**Waste**	☐	**Water**	☐	**Other:**			

	GPS Point Location		GPS Point Location
☒	Main Gate/Main Entrance	☐	Other – Write Description Below
☐	Monitoring Well	☐	
☐	Tank Hold	☐	
☐	Dispenser Island	☐	
☐	Treatment System	☐	
☐	Store or Building – Write Description Below	☐	
☐	Above Ground Tanks	☐	
☐	Water body (ponds, etc)	☐	
☐	Drum Designation Area	☐	
☐		☐	

GPS Point Location Description (If not listed above) and GPS Latitude and Longitude from GIS TEMPO Form

Latitude (from GIS report): 30.27.2.8

Longitude (from GIS report):**91.14.44.34**

Inspector(s): Gene Anderson **Attachments:**

form_5229_r00
12/14/04

UNDERGROUND STORAGE TANK INSPECTION

Date: 10-8-87

Name of Inspector: Dennis Strickland
George Gallett

FACILITY INFORMATION -

Hutt Station
Facility Name

UST ID #

7931 Airline Hwy ~~Calais Plaza~~ Ave.
Facility Address

Keller Oil Co.
Facility Owner

Baton Rouge La. 70809
City, State Zip

6970 Plank Rd.
Facility Owner Address

East Baton Rouge
Parish

Baton Rouge La. 70811
City, State Zip

Facility Phone Number

504-356-3419
Facility Owner Phone Number

Persons Interviewed/Title: Gen. Contractor - Cory Hunter / A.L. Ball and associates 928-2545
Mr. Keller

TANK INFORMATION -

Date of Installation: _____

Tank Type:

Steel _____ Fiberglass _____ Concrete _____ Other _____

Piping:

Steel _____ Fiberglass _____ Concrete _____ Other _____

Tank Corrosion Protection (outside)

Cathodic Protection _____
Fiberglass Coated _____
Painted _____
None _____

Pipe Corrosion Protection:

Cathodic Protection _____
Fiberglass Coated _____
Painted _____
None _____

Number of Tanks: 3

Estimated Total Capacity of Tank(s):
(1) _____
(2) _____
(3) _____
(4) _____

Age of Tanks:
(1) 9 yrs.
(2) 9 yrs
(3) 9 yrs
(4) 9 yrs

Status of Tank(s): Currently in Use _____
Temporarily Out of Use? ✓ Cashier booth under renovation
Permanently Out of Use? _____

Substance Stored in Tank(s)
(1) Regular
(2) Unleaded
(3) Diesel
(4) Super Unleaded

Last Date Tanks were tested for tank tightness?
(1) _____
(2) _____
(3) _____
(4) _____

Does management keep proper records on tank levels? Yes ✓ No _____

Any Discrepancies Noted? Yes _____ No ✓

Inspection made as a result from Complaint? Yes ✓ No _____

REPORTED BY:

Dr. Robert Beggs
Name

8018 One Calais Ave., B.R.
Address

769-6630
Phone Number

RECEIVED BY:

Pete Romanowsky
Name

DEQ/ U.S.T.
Agency

10/8/87 0930
Reported Date **Reported Time**

Nature of Complaint:

Gasoline odors detected in restroom.

Have any leaks/spills occurred: Yes _____ No ✓

If yes, When? (last date) _____

From? Line _____ Tank _____

Material that spilled? _____

Estimated Quantity? _____

Visible evidence of leak at facility: Yes ✓ No _____

COMMENTS: Upon inspection of the site we found that the ~~#~~ cashier's booth has been removed and a new one was under construction. Mr. Hunter, Gen. Contractor, said that there was no work being done to the ~~the~~ tanks and that he did not know of any leaks. We then went to Dr. Beggs office. We could not smell any odors in the restroom but when we opened the sewer manhole cover behind the building, (See attached)

Number of Pictures Taken? 4

Drawing of Facility Made? Yes ✓ No _____

Condition of Surrounding Vegetation? Good _____ Bad ✓

COMMENTS: The vegetation near the tanks and along the Calvin Ave. by the Gulf Station are dead.

Utilities which could provide a source of contamination migration: _____

Telephone line on Essen Lane and Sanitary sewer

Depth to Ground Water: _____

Distance to surface water and name of surface water: _____

Fill ports & monitor wells kept locked? Yes _____ No _____

Do tanks have overfill protection? Yes _____ No ✓

Does facility have written safety plan in case of leaking tank/overfill?

Yes _____ No _____

COMMENTS: _____

A B A N D O N M E N T O R R E M O V A L:

Date of Excavation

Number of Tanks Abandoned

Removed or Filled with What?

Contamination Found:
Soil or Ground Water?

Substance Found in Tank(s)

Disposal Method of Soil, Contaminated Water, and Substance from tank(s)

Assessment Date

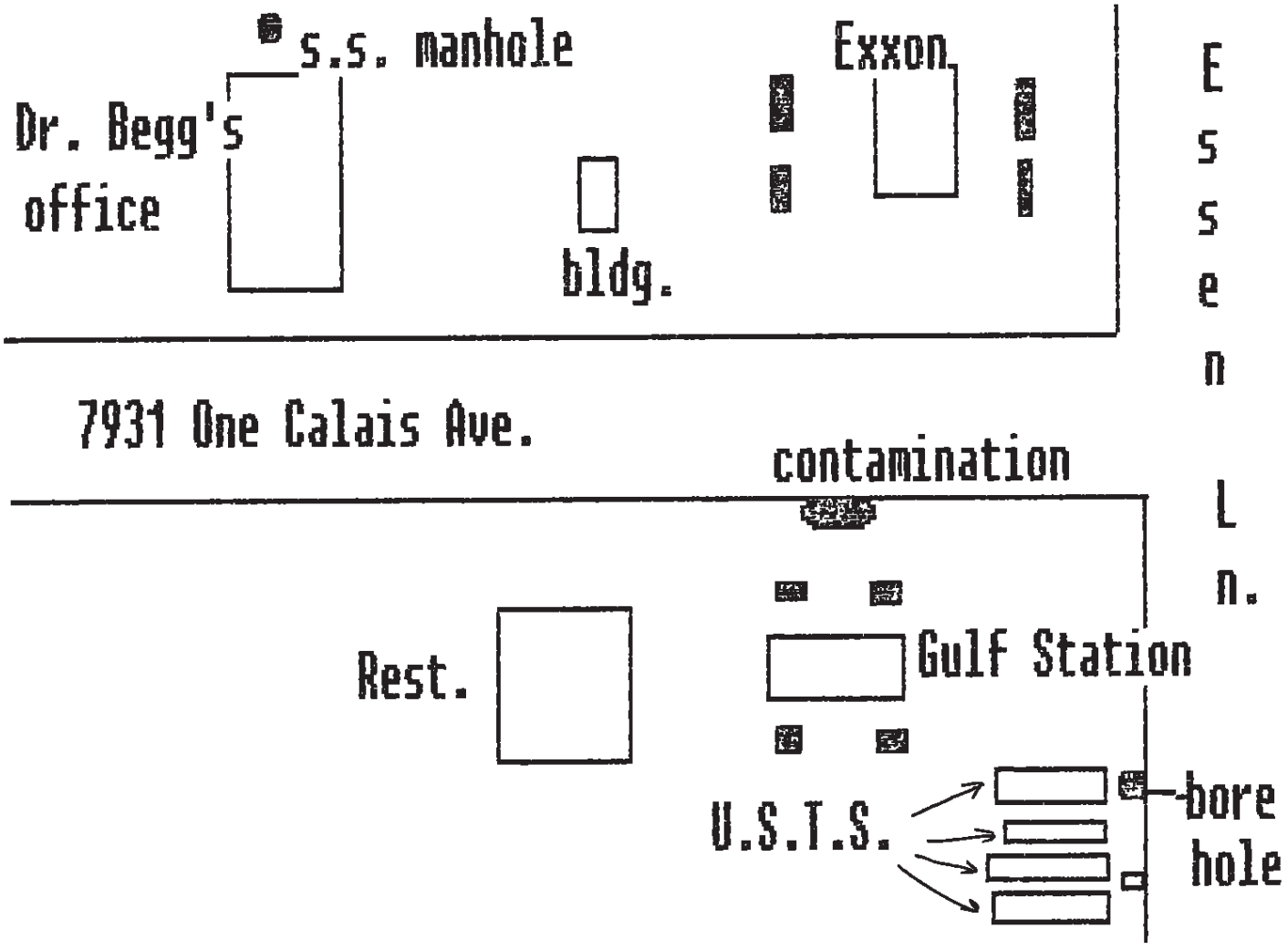
Assessment Company

Number of: Monitor Wells on Site?

Recovery Wells on Site?

Hand ?*?_____ on Site?

RESULTS:


s.s. manhole
Exxon
Dr. Begg's
office
bldg.
Essen Ln.
7931 One Calais Ave.
contamination
Rest.
Gulf Station
U.S.T.S.
bore
hole

Gulf Station
7931 One Calais Avenue
Baton Rouge, LA

We detected strong hydrocarbon odors. The explosion meter read 100%. We then spoke with Donna Belg, Manager, and Mr. Tony Yokley, Area Supervisor (359-7288), for the Exxon Station. They indicated that their tanks were replaced about a year ago and were equipped with leak detectors. They said there have been no recent leaks and we could not find evidence of such. Mr. Yokley said he will check his monitor well and records to confirm such.

When we went back to the Gulf Station, we saw an excavation near One Calais Avenue. Inside was an open sewer pipe with gasoline pooling around its opening. A hand bore of the surrounding soil showed the area saturated with gasoline. Mr. Gunter said new sewer lines are being run and the plumber dug the area out to locate the sewer main. We instructed him to put a plug on the pipe, which was later done. A hand bore was taken in the tank area which showed evidence of hydrocarbons 2" below the ground surface. The explosion meter read 100%. The owner, Mr. Keller, and the Fire Department was contacted. 1500 gallons of water was used to flush the lines out. Mr. Bill Drago, East Baton Rouge Department of Public Works, arrived and assisted with the investigation. When Mr. Keller arrived, he was instructed to do an assessment of the contamination.

356-3419

KELLER OIL CO., INC.

PETROLEUM PRODUCTS • TIRES • BATTERIES • ACCESSORIES

6970 PLANK ROAD
BATON ROUGE LA 70807

page 1 of 2

Authorized Report

PETROCHEM
MAINTENANCE SERVICE

MEMBER PEI
PETROCHEM MAINTENANCE, INC.
P. O. BOX 40345
BATON ROUGE, LA 70835-0345

BATON ROUGE, LA. 70895
P O. BOX 15410
PHONE 272-1361

HARRELL'S FERRY ROAD
BATON ROUGE, LOUISIANA

NEW ORLEANS, LA. 70177
P O BOX 29169
PHONE 254-9404

IMPORTANT – PLEASE CHECK YOUR SERVICE REPORT BEFORE LEAVING JOB

SERVICE REPORT NO	DATE	SERVICE DEPARTMENT	CONTROL LOG NO
No. 24841	12-28-90		B6320

SERVICE CO.
NAME: Keller Oil Co.
ADDRESS: PO Box 74264
CITY & STATE: Baton Rouge, La 70874-4264

CUSTOMER DATA
OWNER'S NAME: Essen Chevron
ADDRESS: c/o Essen
CITY & STATE: Baton Rouge, La.
PUMP LOCATION:

CUSTOMER ACCT. NO. 1078

OPERATING INFORMATION

MODEL NO. (CHECK) ▶

SERIAL NOS.

INSTALLATION DATE	FAILURE DATE	WORK AUTHORIZED BY	CUSTOMER'S CERTIFYING SIGNATURE
12-26-90	12-10-90	Randy	

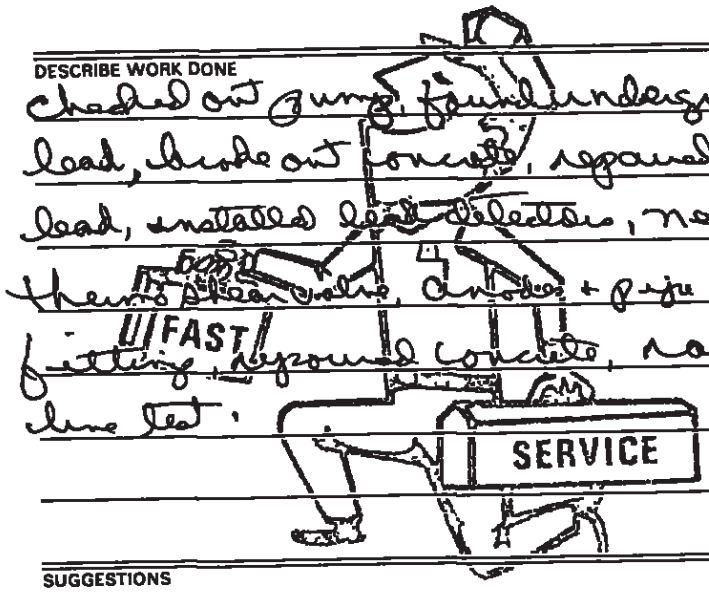
EXPLAIN COMPLAINT
Suction w/ & pumping slow

Mech + 2 helpers 5 1/2

line test Mech 1 1/2

2 days. On Completion

DESCRIBE WORK DONE
checked out pump & found underground lead, broke out concrete, repaired lead, installed leak detector, new thermo plan valve, anodes & pipe fittings, reground concrete, ran line test.



SUGGESTIONS

ITEMIZED REPAIR EXPENSES

			EXTEND EXPENSES BE ▼
HOURS OF LABOR 5 1/2	RATE PER HOUR $ 56.00		TOTAL LABOR $ 288 4.(
TRAVEL TIME 1 1/2	RATE PER HOUR $ 34.00		TOTAL TRAVEL $ 51.0
MILES TRAVELED 196	ALLOWANCE PER MILE $ .35		TOTAL MILEAGE $ 68.60

MATERIALS USED 120.00

QTY	PART NO	DESCRIPTION	UNIT COST	PARTS AMOUNT
2	loads Sand		$ 50.00	$ 100.00
2 yds	3000# Ready Mix Concrete		93.95	187.9(
1	Nall Wagner			54.7:
42'	1 1/2" pipe (galv)		3.72 ft	156.2(
1	1 1/2"	tee		2.7
2	1 1/2"	unions	4.78	9.5
6	1 1/2 x close	nipples	2.01	12.0(
5	1 1/2" 45°	ells	3.02	15.1(
3	2"	unions	6.90	20.7
2	2" x close	nipples	2.87	5.7(
1	EPBW660-M	impact valve		68.00
2	RJ116017.5	leak det	147.00	294.0(
3	Anodes		120.71	362.1
3	Grounding	Clamps	9.90	29.7
3	4x8	plywood	10.45	31.3
	Hasala			5.6

TOTAL EXPENSES ▶ $ Conti

TERMS—NET DUE ON RECEIPT. DELINQUENT ACCOUNTS SUBJECT TO A LATE CHARGE OF 1 1/2% PER MONTH, NOT TO EXCEED 18% PER YEAR. ATTORNEY FEES ADDITIONAL AND WILL BE ADDED.

CUSTOMER COPY

- Authorized Report

PETROCHEM
MAINTENANCE SERVICE

MEMBER PEI
PETROCHEM MAINTENANCE, INC.
P. O. BOX 40345
BATON ROUGE, LA 70835-0345

BATON ROUGE, LA. 70895
P.O. BOX 15440
PHONE 272-1361

HARRELL'S FERRY ROAD
BATON ROUGE, LOUISIANA

NEW ORLEANS, LA. 70177
P.O. BOX 29169
PHONE 254-9404

IMPORTANT – PLEASE CHECK YOUR SERVICE REPORT BEFORE LEAVING JOB

SERVICE REPORT NO	DATE	SERVICE DEPARTMENT	CONTROL LOG NO
No. 24842	12-28-90		B6320

SERVICE CO.
NAME: Keller Oil Co.
ADDRESS:
CITY & STATE:

CUSTOMER DATA
OWNER'S NAME: Essen Chevron
ADDRESS: 210 + Essen
CITY & STATE: Baton Rouge, La.
PUMP LOCATION:

CUSTOMER ACCT NO. 1078

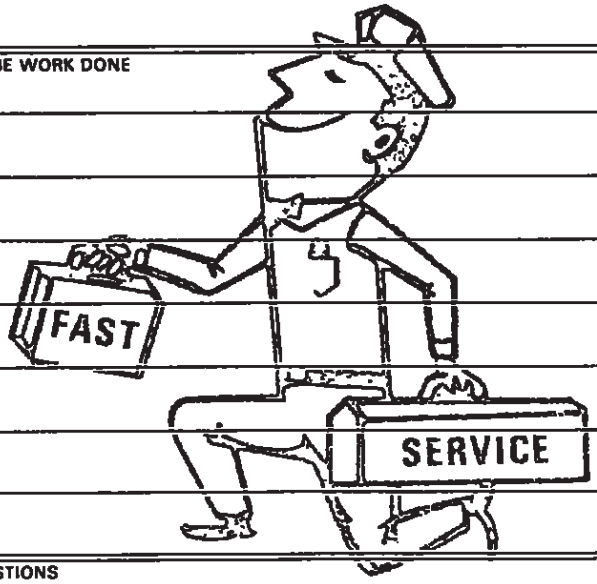
OPERATING INFORMATION

MODEL NO. (CHECK) ▶
SERIAL NOS.

INSTALLATION DATE	FAILURE DATE	WORK AUTHORIZED BY	CUSTOMER'S CERTIFYING SIGNATURE
12-26-90	12-10-90	Randy	

EXPLAIN COMPLAINT

DESCRIBE WORK DONE



SUGGESTIONS

ITEMIZED REPAIR EXPENSES

EXTEND EXPENSES BEL ▼

HOURS OF LABOR	RATE PER HOUR	TOTAL LABOR
	$	$
TRAVEL TIME	**RATE PER HOUR**	**TOTAL TRAVEL**
	$	$
MILES TRAVELED	**ALLOWANCE PER MILE**	**TOTAL MILEAGE**
	$	$

MATERIALS USED

QTY	PART NO	DESCRIPTION	UNIT COST	PARTS AMOUNT
1	1½x3"	nipple	$	$ 2.48
3	4"	galv	.68	2.04
1	4"	cap		.68
	Barricade Tape			5.45
1	Can Rectorseal			11.08
1	EBW792-4"	monitor well cap		14.25
4'	4"	monitor well screen		4.00
1	4" PVC	couplings		4.51
1	4" PVC	Cap		6.13
3'	4" PVC	Pipe	2.50	7.50
	Line Tester Rental			75.00
	Tax			138.30

TOTAL EXPENSES ▶ $ 4870.6

TERMS—NET DUE ON RECEIPT. DELINQUENT ACCOUNTS SUBJECT TO A LATE CHARGE OF 1½% PER MONTH, NOT TO EXCEED 18% PER YEAR. ATTORNEY FEES ADDITIONAL AND WILL BE ADDED.

CUSTOMER COPY

Baton Rouge, Louisiana
December 7, 1988

Mr. George Gullete
Dept. of Evvironmental Quality
Underground Storage Tank Division
P. O. Box 44274
Baton Rouge, LA 70804

Dear Sir:

Please be advised by this correspondence that all free hydrocarbon liquids (gasoline) which were present in the excavation at the Essen Lane site at the time of the initial inspection by your department were recovered. As there was no water present in the recovered hydrocarbon liquids present in the excavation, those liquids were returned to inventory at our retail facility. At the same time, the line leak which precipitated the accumulation of phased liquids was repaired and tested. The excavation, following removal of the hydrocarbon liquids, was backfilled and the site returned to a serviceable condition.

Yours truly,

J. C. Keller, Sr.
President
Keller Oil Co., Inc.
6970 Plank Road
Baton Rouge, LA 70807

jck

X Formerly Owned By: Keller Oil Co, Inc.

REGISTRATION FOR UNDERGROUND STORAGE TANKS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID AND HAZARDOUS WASTE
UNDERGROUND STORAGE TANK PROGRAM
P.O. BOX 44274 BATON ROUGE, LA 70804-4274

FEB 15 199
UNDERGROUND STORAGE TANK DIVISION

STATE USE ONLY
I.D. NUMBER
DATE RECEIVED
DATE CHECKED
CHECKED BY

GENERAL INFORMATION

Registration is required by State and Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by the Louisiana Environmental Quality Act, L.R.S. 30:1051 et seq, as amended.

The primary purpose of this registration program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection

Who Must Register? The Louisiana Environmental Quality Act, L R S 30:1051 et seq, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify the Louisiana Department of Environmental Quality of the existence of their tanks Owner means—

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants

NOTE: Underground storage tanks of less than 500 gallon capacity, which are required to be registered by the Environmental Protection Agency, shall likewise register with the state; however, these tanks are exempt from Louisiana fees and regulations.

What Tanks Are Excluded? Tanks excluded from Louisiana registration are:

1. farm or residential tanks with a capacity of less than 500 gallons used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored,
3. septic tanks,
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws,
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems,
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations,
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The registration requirements apply to underground storage tanks that contain regulated substances This includes 1) any substance defined in section 101(14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (but not including any substance regulated as a hazardous waste under Subtitle C of the Solid Waste Disposal Act as amended by RCRA); and 2) petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute.)

Where to Register? Completed registration forms should be sent to the address given at the top of this page.

When to Register? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must register by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8 1986 must register within 30 days of bringing the tanks into use.

Registration Fee: The owners of operational or non-operational underground storage tanks containing regulated substances must submit with the registration form the payment of the registration fee for each underground storage tank according to the following schedule

1. For any substance defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (but not including any substance regulated as a hazardous waste under Subtitle C of the Solid Waste Disposal Act as amended by RCRA)—$125.00/tank.
2. For petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14 7 pounds per square inch absolute) — $20.00/tank.

In no case shall one owner be required to pay an aggregate registration fee in excess of $2000.00. in addition to the registration fee, an annual monitoring and maintenance fee is required commencing May 8, 1987 in accordance with the regulations

Penalties: Any owner who knowingly fails to register or submits false information shall be subject to a civil penalty not to exceed $25,000 per day for each tank for which registration is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. **This form must be completed for each location containing underground storage tanks.** If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form. Make checks payable to the Louisiana Department of Environmental Quality.

Indicate number of continuation sheets attached ☐

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
GLENN HARRIS

Street Address
7931 ONE CALAIS AVE.

Parish
EBR

City: BATON Rouge State: LA Zip Code: 70809

Area Code: 504 Phone Number: –

Type of Owner (*Mark all that apply* ☒)

☒ Current ☐ State or Local Gov't. ☐ Private or Corporate
☐ Former ☐ Federal Gov't. (GSA facility I.D. no. _____) ☐ Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here ☒)

Facility Name or Company Site Identifier, as applicable

Street Address or State Road, as applicable

Parish

City (nearest) State Zip Code

Latitude: ____°(deg.) ____'(min) ____"(sec.)
Longitude: ____°(deg.) ____'(min.) ____"(sec.)

Indicate number of tanks at this location ☐

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☒) Job Title Area Code Phone Number

IV. TYPE OF REGISTRATION

☒ Mark Box here only if this is an amended or subsequent registration for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative	Signature	Date Signed
	Glenn Harris	2/5/91

CONTINUE ON REVERSE SIDE

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3 . . .)	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4	Tank No.
1. Status of Tank (Mark all that apply ☒)					
Currently in Use	☒	☒	☒	☒	☐
Temporarily Out of Use	☐	☐	☐	☐	☐
Permanently Out of Use	☐	☐	☐	☐	☐
Brought into Use after 5/8/86	☐	☐	☐	☐	☐
2. Age (Years)	approx 13 yrs	13 yrs	13 yrs	13 yrs	
3. Total Capacity (Gallons)	10,000	10,000	10,000	5,000	
4. Is Tank and/or Piping Leaking? (YES or NO)	NO	NO	NO	NO	
5. Material of Construction (Mark one ☒)					
Steel	☒	☒	☒	☒	☐
Concrete	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	____	____	____	____	____
6. Internal Protection (Mark all that apply ☒)					
Cathodic Protection	☐	☐	☐	☐	☐
Interior Lining (e.g., epoxy resins)	☒	☒	☒	☒	☐
None	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	____	____	____	____	____
7. External Protection (Mark all that apply ☒)					
Cathodic Protection	☐	☐	☐	☐	☐
Painted (e.g., asphaltic)	☒	☒	☒	☒	☐
Fiberglass Reinforced Plastic Coated	☐	☐	☐	☐	☐
None	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☐	☐
Other, Please Specify	____	____	____	____	____
8. Piping (Mark all that apply ☒)					
Bare Steel	☐	☐	☐	☐	☐
Galvanized Steel	☐	☐	☐	☐	☐
Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
Cathodically Protected	☐	☐	☐	☐	☐
Unknown	☐	☐	☐	☒	☐
Other, Please Specify	Cathodic Protection Just installed on replaced tanks				
9. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply ☒)					
a. Empty	☐	☐	☐	☐	☐
b. Petroleum	☐	☐	☐	☐	☐
Diesel	☐	☐	☐	☐	☐
Kerosene	☐	☐	☐	☐	☐
Gasoline (including alcohol blends)	☒	☒	☒	☐	☐
Used Oil	☐	☐	☐	☐	☐
Other, Please Specify	____	____	____	____	____
c. Hazardous Substance	☐	☐	☐	☐	☐
Please Indicate Name of Principal CERCLA Substance	____	____	____	____	____
OR					
Chemical Abstract Service (CAS) No	____	____	____	____	____
Mark box ☒ if tank stores a mixture of substances	☐	☐	☐	☐	☐
d. Unknown	☐	☐	☐	☐	☐
10. Additional Information (for tanks permanently taken out of service) N/A					
a. Estimated date last used (mo./yr.)	/	/	/	/	/
b. Estimated quantity of substance remaining (gal.)	____	____	____	____	____
c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)	☐	☐	☐	☐	☐
11. Additional Information (for replacement tanks installed after January 1, 1974) N/A					
a. Is the tank currently in use a replacement tank for one previously in use at the same site? (YES or NO)	____	____	____	____	____
b. When was the previous tank removed? (mo./yr.)	/	/	/	/	/
c. What was the age of the previous tank at time of removal? (years)	/	/	/	/	/
d. Was the tank and/or piping previously removed found to be leaking? (YES or NO)	____	____	____	____	____
e. If so, was contamination of the regulated substance removed from the soil and/or ground water? (YES or NO)	____	____	____	____	____

RELEASE NOTIFICATION

FILE 5-16-91

INCIDENT # UE-91-2-0002 (ASSIGNED ONLY IF CONFIRMED)

☐ SPILL/OVERFILL
☐ TANK OR PIPING LEAK

REPORTED BY:

NAME: Donna Torres

ADDRESS: 8322 Rue Calais
Baton Rouge, La. 70809

PHONE NUMBER: 766-4410 Ex 713

RECEIVED BY:

NAME: Dennis D Strickland

DATE RECEIVED: 5-15-91

TIME RECEIVED: 3:07 pm

PRODUCT INVOLVED: ☑ GASOLINE ☐ OIL ☐ DIESEL

DATE FOUND: _____ ☐ HAZARDOUS _____ ☐ OTHER _____

ESTIMATED AMOUNT RELEASED: _____

D.E.Q. RESPONSE REQUIRED: ☑ EMERGENCY ACTION UNDERWAY: ☐

STATUS OF RELEASE

ASSESSMENT REQUIRED: ☑ REMEDIATION COMPLETE: ☐

PENDING FURTHER INFO.: ☐ Action Taken: _____

FACILITY INFORMATION

TANK FACILITY NAME: Chevron + Exxon

TANK FACILITY ADDRESS: Corner of Rue Calais and Essen

PARISH: East Baton Rouge UST ID#: 17-010765

CONTACT NAME: Glenn Harris CONTACT PHONE: 766-8584

TANK FACILITY OWNER: Glenn Harris

OWNER MAILING ADDRESS: 7931 Rue Calais
Baton Rouge, La.

OWNER PHONE NUMBER: (504) 766-8584

INCIDENT DESCRIPTION AND ASSESSMENT: For about 6 weeks strong odors of gasoline have been detected at this corner as she drives by. The odors have been getting stronger and stronger.

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT

FACILITY ID # 17-010765 INCIDENT LOG # UE-91-2-0002

INSPECTION DATE 6-5-91 TIME OF ARRIVAL DEPARTURE

1. Facility
Chevron (gulf) Station
2. Street
7391 One Calais
3. City
Baton Rouge
4. Zip
5. Parish EBR
6. Telephone 766-8584
7. Owner Glenn Harris
8. Street 7931 One Calais
9. City
Baton Rouge
10. Owner Phone 766-8584

TYPE OF INVESTIGATION

11. ___ INITIAL 12. X FOLLOW-UP

13. X RELEASE
a. Spill/Overfill Leaking UST
(1) X Petroleum Hazardous
14. ___ CLOSURE
15. ___ RELEASE DETECTION
16. ___ INSTALLATION
17. ___ COMPLAINT
18. X EMERGENCY RESPONSE
19. X OTHER

VIOLATION(S) NOTED

SECTION(S) DESCRIPTION

COMMENTS

PICTURES Yes X No

An investigation of the above referenced site was made in response to a telephone conversation with Mr. Lew Schug of Gulf States Utilities regarding gasoline contamination in the vault on One Calais Dr. Present at the site were: Mr. Dale Saia, DPW, Robert Drago, DPW, Glenn Harris, Jeff Meyers, DEQ, Bill Drago, DPW, Roy Field, GSU, Warren Landry, Envirocorp, and myself. I attempted to check the RDD at the Exxon across the street but due to the high water table, the water in the RDD could not be bailed out low enough to allow access. Mr. David Handy, Exxon store manager, said R. L. Hall and Associates checked the RDD a few days ago an found no evidence of contamination. Mr handy said some of his employees recently complained of gasoline odors in the restrooms. A hydrocarbon sheen was present on the water in some of the expansion joints at the Gulf/Chevron Station. I requested that the DPW open the sanitary sewer(SS) manhole to check for evidence of gasoline contamination. This manhole is located in the street and in front of the vacant building behind the Chevron Station. When the manhole was opened and checked with an explosimeter, a reading of 100%LEL was obtained. GSU pumped the water out of their splice junction vault and opened the covers. A gasoline sheen was present and the air in the vault gave a

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT - CONTINUATION SHEET

FACILITY # 17-010765 DATE:6-13-91

SITE NAME Gulf- Chevron

STREET One Calais Ave.

CITY Baton Rouge

50%LEL reading on the explosimeter. Baton Rouge HAZMAT was contacted to report to the site. Envirocorp proposed to install a french drain along One Calais Dr. to intercept the gasoline. GSU turned off the power line leading to the Chevron Station via the vault. This was done to releave the pressure on the other lines being used in the loop and to reduce the risk of explosion. Another SS manhole at the corner of One Calais and Essen was checked with the explosimeter and 100%LEL was measured. DPW was requested and put perforated manhole covers on three of their manholes. DPW said the pumping station did not exhibit gasoline vapors. At about 2:00pm the SS was flushed with water. The following readings were obtained:

Time	%LEL	
2pm	0	manhole behind Chevron in front of vacant building
3pm	0	
4:06pm	0	
2pm	10-15	manhole on corner of One Calais & Essen
3pm	6	
4:06pm	0	
2pm	100	manhole in front of Exxon
3pm	20	
4:06pm	10	
2pm	100	manhole closest to pumping station
3pm	80	
4:06pm	85	

A vent fan was set up by Envirocorp after Mr. Bill Davis with Air Quality was contacted to see if a permit would be needed. After the fan was started, the SS was flushed again. At 5pm the manhole closest to the pumping station was checked again and a 30%LEL reading was obtained. Envirocorp said they would operate the fan 24 hrs a day at the present time.

Person(s) Interviewed Glenn Harris Title owner

Inspector(s)

Report By:
Dennis D. Strickland

Dennis D. Strickland
(Signature)

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT

FACILITY ID # 17-010765 INCIDENT LOG # UE-91-2-0002

INSPECTION DATE 6-14-91 TIME OF ARRIVAL 7:50am DEPARTURE 9am

1. Facility
Chevron (gulf) Station
2. Street
7391 One Calais
3. City
Baton Rouge
4. Zip
5. Parish EBR
6. Telephone 766-8584

7. Owner Glenn Harris
8. Street 7931 One Calais
9. City
Baton Rouge
10. Owner Phone 766-8584

TYPE OF INVESTIGATION

11. ___ INITIAL 12. X FOLLOW-UP

13. X RELEASE
a. ___ Spill/Overfill ___ Leaking UST
(1) X Petroleum ___ Hazardous
14. ___ CLOSURE
15. ___ RELEASE DETECTION
16. ___ INSTALLATION
17. ___ COMPLAINT
18. ___ EMERGENCY RESPONSE
19. X OTHER

VIOLATION(S) NOTED

SECTION(S) DESCRIPTION

COMMENTS

PICTURES Yes X No
An investigation of the above referenced site was made to check progress on the remediation. The vent fan for the sewer was in operation and Envirocorp plans on operating it 24hrs a day until the trench is installed. The French drain trench will begin to be installed this morning.

1:51pm - 2:30pm
Petro-Chem is in the process of digging the French Drain. Free phase gasoline was being hand bailed out of the trench near the sanitary sewer line to the station. The trench has been dug to the flower bed in the center of the drives to the station. The soils in the trench had strong gasoline odors. The city DPW checked the sanitary sewer manholes with an explosimeter and obtained a 1%LEL for the highest reading.

3:45 - 4:37pm
Envirocorp plans on finishing this section of the trench and begin backfilling tomorrow. The city DPW checked the sanitary sewer manholes with an explosimeter and obtrained a 1%LEL for the highest reading.

Dennis D. Stoddard

DATA BASE TRACKING CHART

Inspector's Initials DSS

LEAK # 91-2-0002	DATE FOUND
DATE RPT 5/15/91	DATE CONF ~~5/15/91~~ 5/15/91
Discovered thru Complaint	
ASSESS RQD. requested by accordins to their letter 5/17/91 (no ass ltr in file)	ASSESS. RCD.
ASSESS. APD.	ADD'L INFO
C.A. RQD.	C.A. RCD.
ADD. INFO	C.A. APPD.
REMED. METHOD	TERM. REMED.

RECEIVED

JUN 21 1993

UNDERGROUND STORAGE
TANK DIVISION

INCIDENT # _____

LOUISIANA NOTIFICATION REQUIREMENTS

This form should be completed and submitted to the Underground Storage Tank Division within seven (7) calendar days after verbal notification.

If mailed, submittal date will be the postmark date of the written notification. Forward to:

ADMINISTRATOR
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Underground Storage Tank Division
P. O. Box 82178
Baton Rouge, Louisiana 70884-2178

- -

1. Name of person, company or other party who is filing the written report. ENERGY EQUIPMENT
PO Box 80582
BR La. 70898

2. Time and date of verbal notification, name of person making the notification and identification of the site or facility. (Name and address).
6-16-93
2:00 pm
Terry Chamberlain
Essen Express
7931 One Colvis Ave
BR La 70809

3. Release date and time.
6-15-93

4. Incident details and/or emergency condition.
RUL Product Line shut down by leak Detector

5. Product released and estimated quantity released in gallons. gasoline / unknown

6. Surface or groundwater impact.

7. Action taken to stop release. Product removed from tank + line

8. Measures taken to prevent recurrence of the incident.

9. Is the U.S.T. System registered?

YES ✓ U.S.T. ID# _____
NO _____

ANSWER THE FOLLOWING ONLY IF GROUNDWATER CONTAMINATION IS CONFIRMED

1. Reporting party status (owner, operator, consultant, etc.)

2. Attach groundwater contamination data and/or analytical results.

3. Possible routes of migration.

4. List all abandoned or active water wells within the immediate area.

5. Names of all other responsible parties.

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

December 11, 1998

J. DALE GIVENS
SECRETARY

Mr. Randy Herring
Keller Oil Company, Inc.
Post Office Box 74264
Baton Rouge, Louisiana 70874-4264

Re: No Further Action Request
Essen Chevron
7931 One Calais Ave.
Baton Rouge, Louisiana
East Baton Rouge Parish
Facility ID No. 17-0107652
Incident No.'s UE-90-2-00875, UE-91-2-0002,
UE-91-2-0197, and UE-93-2-0151

Dear Mr. Herring:

The Underground Storage Tank Division (USTD) has reviewed your referenced request dated December 7, 1998, for the above-referenced facility. Thank you for providing this information.

Based on the analytical data furnished with the referenced request and limited information within USTD files. The USTD agrees that no further assessment and/or remediation is warranted at this time for these particular incidents.

Your continued cooperation and efforts to keep us informed of your activities at the site are appreciated. Should you have any questions, please contact Michael T. Picou at (225) 765-2682.

Sincerely,

Harold F. Ethridge, Jr.
Administrator

HFE:MTP
c: Mr. Scott Guilliams, Program Management Support Section, USTD
Capital Regional Office, USTD

AI # 70297

STATE OF LOUISIANA
UNDERGROUND STORAGE TANK CLOSURE/ASSESSMENT FORM

Please complete and return within sixty (60) days after UST system closure or change-in-service

Return to: LDEQ - UST DIVISION, P. O. Box 82178, Baton Rouge, LA 70884-2178 — Questions: (504) 765-0243

DEQ Facility Number: 17-010765, AI 70297

DEQ Owner ID Number: 2024610[illegible]

(Margin notes: Change Z.P. ; Add tel # ; Enter End date in AI Subj. I.D. - 6/26/03 ; Enter Removal date 6/26/03 in UST page ; Enter Certified worker info in UST page)

I. OWNERSHIP OF TANKS	II. LOCATION OF TANKS
IF OWNER'S ADDRESS CHANGED, PLEASE CHECK ☐	IF SAME AS SECTION I, PLEASE CHECK ☐
OWNER NAME (CORPORATION/INDIVIDUAL, ETC.): Keller Oil Co Inc	FACILITY NAME OR COMPANY SITE IDENTIFIER: Essen Chevron
MAILING ADDRESS: P.O. Box 14204	STREET ADDRESS (P. O. BOX NOT ACCEPTABLE): 7931 One Calais
CITY / STATE / ZIP: Baton Rouge, La. 70874	CITY / STATE / ZIP: Baton Rouge LA 70809
PARISH/COUNTY: EBR	PARISH: EBR
TELEPHONE (INCLUDE AREA CODE): 225 654-2644 (cell 405-0137)	TELEPHONE (INCLUDE AREA CODE): 225, 766-8584
NAME OF CONTACT PERSON: Randy Herring	CONTACT PERSON AT THIS LOCATION: Randy Herring

III. TANK INFORMATION (Attach Continuation Sheets If Necessary)

DEQ ASSIGNED TANK NUMBERS	PRODUCT LAST STORED IN TANK	SIZE OF TANK (GALLONS)	CHOOSE ONE PER TANK 1 = Removed 2 = Closed-in-Place 3 = Change-in-Service[1] 4 = Removed & Replaced[2]	TANK PROPERLY LABELED? CIRCLE		HIGHEST LEL OR OXYGEN READING[3] LEL[4]	Oxygen	DATE OF CLOSURE OR CHANGE-IN-SERVICE
2629	Gasoline	12,000	1	(Y)	N			6/26/03
2630	Gasoline	12,000	1	(Y)	N			6/26/03
2631	Gasoline	12,000	1	(Y)	N			6/26/03
				Y	N			/ /
				Y	N			/ /

1 - Indicate the non-regulated substance to be stored in the tank.
2 - A registration form addressing the replacement tank must be completed.
3 - Highest reading recorded just before tank removed from excavation.
4 - Lower Explosive Limit

IV. TANK	V. TANK SLUDGES	VI. TANK WATERS/WASHWATERS
A. Date cleaned 6/26/03	A. Date disposed/recycled / /	A. Date disposed/recycled 6/26/03
B. Date disposed/recycled 6/26/03	B. Volume removed cu/yds	B. Volume removed 434 gals
C. Name of disposal site/recycling site: cut up for scrap	C. Name of disposal site	C. Name of disposal/recycling site: US Filter Recovery

VII. CONTAMINATED SOIL (IF APPLICABLE)		VIII. CONTAMINATED GROUNDWATER (IF APPLICABLE)	
A. Date removed / /	D. Date disposed / /	A. Date removed / /	D. Date disposed / /
B. Volume of soil removed cu/yds		B. Volume of groundwater removed gals	
C. Name of disposal site		C. Name of disposal site/recycler	

IX. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

PRINT OR TYPE OWNER'S NAME: Keller Oil Co Inc. — OWNER'S SIGNATURE: [signature] — DATE: 7-14-03

PRINT OR TYPE NAME OF CERTIFIED WORKER: Joseph Calamia — SIGNATURE OF CERTIFIED UST WORKER: [signature] — CERTIFICATE NO.: IRL-0032 — DATE: 7/9/03

Energy Equipment Inc

FORMS THAT DO NOT INCLUDE THE OWNER'S AND UST WORKER'S SIGNATURES WILL BE REJECTED.

LDEQ RESPONSE - DO NOT WRITE BELOW THIS LINE

☑ UST system removed from database; no further action required.
☐ UST system removed from database; additional information required.

Reviewer's Signature: [signature] Telephone No. ([illegible]) [illegible]-3471 Date: [illegible]

Signature of LDEQ Representative: [signature] Date: 7/22/03 Supervisor's Initials

UST-ENF-02 **** INCOMPLETE FORMS MAY BE REJECTED ***** Revised 12/94

UST DIV. REGISTRATION FILES

UNDERGROUND STORAGE TANK CLOSURE/ASSESSMENT FORM

INSTRUCTIONS

Within **SIXTY DAYS** after completing a UST closure or change-in-service, this form along with **two copies** of the following must be provided to the Underground Storage Tank Division:

1. site drawing;
2. analytical results with chain-of-custody documents; and
3. copies of all manifests, bills of lading or receipts for the disposition of tank(s), tank contents, soil and waters.

All applicable information required on the form must be addressed. Forms that are incomplete may be rejected.

Please **PRINT** clearly (press hard, as you are making six copies). After completion, the owner is to retain the bottom (canary) copy and forward all remaining copies of the form to:

UNDERGROUND STORAGE TANK DIVISION
P. O. BOX 82178
BATON ROUGE, LA 70884-2178.

The UST Division will distribute the remaining copies of the form as follows:

1. Original (White) - UST Main Office File
2. Pink - UST Regional Office File
3. Goldenrod - Registration Files
4. Blue - UST Owner (After DEQ Processing)
5. White - UST Closure Reading File
6. Green - UST Main Office File (Before DEQ Processing)

PROCEDURES TO BE FOLLOWED

The procedures which must be followed when performing a UST closure or change-in-service are provided in the "Underground Storage Tank Closure/Change-in-Service Assessment Guidelines." To obtain a copy of this document call the UST Division at (504) 765-0243 or write to the address noted above.

NOTICE

Chapter 13 of the UST Regulations requires that owners of USTs ensure that the contractor chosen to perform the UST closure/change-in-service employs an individual who holds a current Louisiana DEQ certificate for closure. The certified person must be present at the site and exercising responsible supervisory control during the closure/change-in-service process. A list of contractors who employ DEQ certified workers can be obtained from the UST Division at (504) 765-0243.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
MINIMUM DATA SET
Basis for Referral to the Remediation Services Division

Discovery through:

Complaint ☐ **LDEQ Investigation** ☐ **Notification** ☐

Other ☒
Explain: Underground Storage Tank (UST) closure and DISI

RECEIVED
JUL 25 2005
LA DEPT. OF ENVIRONMENTAL QUALITY
REMEDIATION SERVICES DIVISION
LOG # 2006-

Agency Interest Information

LDEQ Agency Interest ID No: 13366
Agency Interest Name: Former Exxon Retail Store # 5-0608
Mailing Address: 16825 North chase Drive, Room 928C, Houston Texas 77060 483
Street Address: 4555 Essen Lane, Baton Rouge, LA
Parish: East Baton Rouge
Physical Address (if different): same
Agency Interest Description (Type of Business): Convenience store
Contact (Name and Title): Dale Gomm, Project Manager
Contact Phone #: 713-819-6879

Remediation Services Division
Manager: Blanchard
Team Leader:
AI #: 13366
TEMPO Task #:
☐ Desk Copy File Room:

Area of Investigation (AOI) Information

LDEQ AOI Name: Former Exxon Store # 5-0608
AOI Coordinates (GPS or surveyed):
Location of AOI: 4555 Essen Lane, Baton Rouge, LA
Directions to AOI:
Confirmation that contamination exists: UST system was removed and a DISI was performed. Three soil borings were installed to a maximum depth of 20' and converted into monitoring wells MW-1, MW-2, and MW-3. The concentration of MTBE at MW-1 (18'-20') was above RECAP SS for soils. For groundwater Benzene, MTBE, TPH-GRO, TPH-DRO, Naphthalene, and 2-Methylnaphthalene were above RECAP SS for groundwater samples taken at MW-1. MTBE, TPH-GRO, and TPH-DRO concentrations were above RECAP SS for groundwater samples taken at MW-2 and the TPH-DRO concentration was above RECAP SS for the groundwater sample taken at MW-3.
Release Confirmation Date: Unknown
Source of release: UST system
Sampling Data Exists? **Yes** ☒ **(attach results)** **No** ☐

Samples taken by: PRP ☐ LDEQ ☐ Other ☒
Explain other: CRA and Associates

Media Sampled: Soil and groundwater

Parameters Analyzed: BTEX, MTBE, TPH-GRO, PAHs, and TPH-DRO

Constituents of Concern Detected: MTBE(soils) and benzene,MTBE, TPH-GRO, Naphthalene, 2-Methylnaphthalene, and TPH-DRO (groundwater).

Sampling Details (media, locations, depths, etc. Attach diagram if available): samples taken during USTs removal and also DISI.

☐ **Samples not collected due to visual evidence of a release and/or process knowledge.**
Explain:

Summary of Discovery: Analytical results for soil samples indicate MTBE was above RECAP SS and Soil and analytical results for groundwater collected indicate that Benzene, MTBE, TPH-GRO, TPH-DRO, Naphthalene, and 2-Methylnaphthalene. were above RECAP SS.contamination discovered during UST removal and DISI investigation..

Description of actions taken in response to Discovery: USTs were removed.

Evidence of impact or imminent threat to sensitive receptors? ☒ No ☐ Yes
Details for yes:

Basis for Referral to the RSD: Soil (MTBE) and groundwater (Benzene, MTBE, TPH-GRO, Naphthalene, 2-Methylnaphthalene, and TPH-DRO) contamination is present. A check of EDMS shows that there was an incident (UE-98-2-0106). This incident dealt with a 12,000-gallon fiberglass regular unleaded UST taking on water and the certified contractor on site discovered that there was a hole punched at the bottom of the tank directly below the fill port The stricker plate had been dislodged. The tank was repaired, but this incident according to EDMS has not been terminated.

Referred By: Charles J. Melchior CM

Date: 7/18/05

Phone Number: (225) 219-3644

RECORD OF COMMUNICATION
UNDERGROUND STORAGE TANK DIVISION
LA. DEPT. OF ENVIRONMENTAL QUALITY

DATE: October 26, 1998 _X_ **Phone Call** ___ **Discussion**

TIME: 7:55 AM ___ **Field Trip** ___ **Conference**

___ **Other (Specify)**

PHONE NO:

TO: File **FROM:** C. Melchior CM

SUBJECT: Exxon # 5-0608
4555 Essen Lane
Baton Rouge. LA
FID # 17-004224

PARISH: EBR

SUMMARY OF COMMUNICATION: I spoke with Robert Blu, with Exxon. There is a 12,000-gallon fiberglass UST at the above-referenced facility that is taking on water. The tank hole was pumped down to see if any product was lost, but according to Mr. Blu, none was. Mr. Blu needs to repair this tank and a company out of Texas, supervised by Jerry Allen, will be overseeing the repair. I told Mr. Blu to contact the state Fire Marshall. He wants to expedite the work, so he will contact Raul Busquet to see if he can fax over an Installation/Renovation Form for this site.

CONCLUSIONS, ACTION TAKEN OR REQUIRED: For your information.

Information Copies to: None

LOUISIANA UNDERGROUND STORAGE TANK DIVISION
INSPECTION REPORT

FACILITY ID # 17-0004224 INCIDENT LOG # UE-98-2-0106

INSPECTION DATE- 10-29-99 TIME OF ARRIVAL@ 8:45 DEPARTURE@

1. Facility Exxon Station #004224
2. Street 4555 Essen Ln.
3. City Baton Rouge, La
4. Zip 70809
5. Parish EBR
6. Telephone#

7. Owner Exxon Company USA
8. Street P.O. Box 2180
9. City Houston, TX
10. Owner Phone# (713) 656-3428

TYPE OF INVESTIGATION

11. ___ INITIAL 12. ___ FOLLOW-UP

13. ✓ RELEASE
   a. ___ Spill/Overfill ✓ Leaking UST
   (1) ___ Petroleum ___ Hazardous
14. ___ CLOSURE
15. ___ RELEASE DETECTION
16. ___ INSTALLATION
17. ___ COMPLAINT
18. ___ EMERGENCY RESPONSE
19. ___ OTHER

VIOLATION(S) NOTED

SECTION(S)	DESCRIPTION

COMMENTS

PICTURES Yes ___ No ✓

This investigation was to observe the repair of a 12,000 gallon UST. This tank is constructed of fiberglass and is used for regular gasoline. The contractor was Rittiner which subcontracted containment solutions service to repair the UST. The repair was due to the fact that this tank had been taking on water. Upon entering the tank, it was discovered that a hole had been punched in the bottom directly below the fill port, possibly by "sticking". Containment Solutions Services will repair this hole and install a striker plate in this area.

Person(s) Interviewed	Title
Jerry D. Allen (Rittiner)	Project Manager
Robert Blue (Exxon)	M&C Specialist

Inspector(s) Larry Pentecost

Report By: [signature] (Signature)

UST DIVISION - RELEASE NOTIFICATION FORM

INCIDENT NUMBER: UE - 98-2-0106

NOTIFICATION INFORMATION

RECEIVED BY: Charlie Melchior
DATE: 10/26/98 TIME: 9:15 (a.m) / p.m

DATE DISCOVERED: 10/23/98

DATE CONFIRMED: 10/26/98

REPORTED BY: Robert Blue
ADDRESS: One Lakeway Center
Ste. 1315
3900 North Causeway Blvd.
Metairie, LA
TELEPHONE: (504) 830-3507

- [x] GASOLINE
- [ ] DIESEL
- [ ] HAZARDOUS SUBSTANCE
- [ ] OTHER:
- [ ] NEW OIL
- [ ] USED OIL

- [ ] PIPING LEAK
- [ ] DISPENSER LEAK
- [x] UST LEAK
- [ ] OTHER:
- [ ] SPILL
- [ ] OVERFILL
- [ ] UNKNOWN

QUANTITY RELEASED: UNKNOWN / _____ GALLONS

FACILITY INFORMATION

FACILITY ID# 17-0004224
NAME: Calais Exxon # 30608
ADDRESS: 4555 Essen
Baton Rouge, La
PARISH: EBR
CONTACT PERSON: Robert Blue
TELEPHONE: (504) 830-3507

OWNER NAME: Exxon Company USA
ADDRESS: P.O. Box 4386
Houston, TX 77210
TELEPHONE: (504) 836-3507

RELEASE STATUS

- [ ] Assessment Required - Date required, If known ____/____/____
- [x] Pending Further Information

Comments: Awaiting seven day notification

- [ ] Remediation Complete
Date: ____/____/____
Method:

Trust Fund Eligible ☐ Yes ☐ No ☒ Unknown

INCIDENT DESCRIPTION

It was discovered by way of the EMCO Wheaton 3000 UST system monitor that this UST was taking on water. Upon entering the Tank, the contractors discovered that a hole had been punched in the bottom of the Tank directly below the Fill port. The striker plate had been dislodged.

CONESTOGA-ROVERS
& ASSOCIATES

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

May 16, 2005

Reference No. 25881-02 (3)

Mr. Charlie Melchior
Louisiana Department of Environmental Quality
Office of Environmental Compliance
P.O. Box 4312
Baton Rouge, Louisiana 70821-4312

Dear Mr. Melchior:

Re: Underground Storage Tank Removal
Former Exxon Retail Store No. 5-0608
4555 Essen Lane
Baton Rouge, East Baton Rouge Parish, Louisiana
Facility UST I.D. No.: 17-004224
Agency Interest No.: 13366

Conestoga-Rovers & Associates (CRA), as environmental consultant for Exxon Mobil Corporation (ExxonMobil), herein submits three copies of the report documenting the closure of four underground storage tanks at the above-referenced location. Based on the analytical results submitted herein No Further Action At This Time (NFA-ATT) is recommended.

If you have any questions or comments concerning this report, please contact CRA or Dale L. Gomm, ExxonMobil Territory Manager, at (713) 819-6879.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Cliff D. Corder

Thomas B. Powers, PG

CDC/kmc/3
Encl.

SPOC

From: SPOC@la.gov
Sent: Thursday, April 21, 2005 3:55 PM
To: SPOC
Cc: Jason Bonds
Subject: Incident Report Form

SOS-077 T78436

Reporting Company Information	
Date/Time Reported: 4/21/2005 3:54:47 PM	
Type of Incident: Spill Incident/Release	
First Name:	Seth
Last Name:	Domangue
Title:	Geologist
Company:	CRA
Phone #:	292 9007
Mailing Address:	4915 S. Sherwood Forest Blvd.
City:	Baton Rouge
State:	LA
Zip:	70816
Email:	sdomangue@craworld.com
Responsible Party Information	
Name of Responsible Party: Exxon Mobil Corporation	
Location of Incident: 4555 Essen Lane, Baton Rouge, LA	
Mailing Address (if different from above):	
City: / State: / Zip:	
Date of Discharge:	Unknown
Time Noticed:	Began: NA Ended: NA
Parish:	East Baton Rouge
Media Affected:	Soil/Water
If water, name of nearest water body: NA	
If air, note wind direction and weather conditions: NA	
Description of Release/Spill	
Product/material release and quantity: Gasoline/Diesel - unknown quantity	
Description of release: UST system	
How was the spill contained?: NA	
How was the spill cleaned?: NA	
Directions for Reaching the Site	

CRO - Courtney Melchior

04-21-05 15:56 RCVD

INCIDENT REPORT

Incident ID: 78436

Incident Reporter

Received By: Chris Delmar
Received Date: APR-21-05 15:56:00
Dispatch #: s05-1277
Reported By: Seth Domangue, Other
Phone Desc: 225-292-9007
Reporter Title:
Org Desc: CRA
Address: 4915 S. Sherwood Forest Blvd.

Municipality: Baton Rouge
State Code: LA
Zip Code: 70816
Comments: See Incident # 78436.

Incident Description

Incident Type: UST Rem, Spill Release
Incident Date: APR-21-05 00:00:00
Parish: East Baton Rouge
Municipality: Baton Rouge
Location: 4555 Essen Lane - Baton Rouge
Lat/Lon:
Basin/Segment:
Substance:
Media Impacted: Soil
Incident Desc: s05-1277 Gasoline/diesel was released from a UST. CMD

Incident Source

Source Name: ExxonMobil Oil Corp 50608
Address: 4555 Essen Ln

Municipality: Baton Rouge
State: LA
Phone:
Parish: East Baton Rouge
AI#: 13366
Related Permits: 0
Investigation Findings: CM: Soil (MTBE) and groundwater (Benzene, MTBE, TPH-GRO, Naphthalene, 2-Methylnaphthalene, and TPH-DRO) contamination is present. A check of EDMS shows that there was an incident (UE-98-2-0106). This incident dealt with a 12,000-gallon fiberglass regular unleaded UST taking on water and the certified contractor on site discovered that there was a hole punched at the bottom of the tank directly below the fill port The stricker plate had been dislodged. The tank was repaired, but this incident according to EDMS has not been terminated. Refer to RSD.

Incident Status

Lead Investigator: Charles Melchior CM
Region: Capital
Incident Status: Referred to Remediation
As Of: 07/18/2005

DIVESTMENT INITIAL SUBSURFACE INVESTIGATION

Former Exxon Retail Store No. 5-0608
4555 Essen Lane
Baton Rouge, East Baton Rouge Parish, Louisiana
Facility UST I.D. No.: 17-004224
Incident I.D. No.: None Assigned
Agency Interest No.: 13366

for

Exxon Mobil Corporation
Houston, Texas

MAY 2005
Ref. 25881-01 (2)

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 a Divestment Initial Subsurface Investigation (DISI) for Exxon Mobil Corporation (ExxonMobil) at former Exxon Retail Store No. 5-0608 located at 4555 Essen Lane, Baton Rouge, East Baton Rouge Parish, Louisiana. This investigation was conducted in order to determine if service station operations have adversely affected subsurface media (soil and groundwater). A summary of CRA's work and findings follows:

- The site is an inactive service station located in an area of light commercial development.
- Three soil borings/monitor wells (MW-1 through MW-3) were installed to a maximum depth of 20 feet.
- Soil and groundwater samples were collected from each soil boring/monitor well (MW-1 through MW-3) and were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary-butyl ether (MTBE), total petroleum hydrocarbons-gasoline range organics (TPH-GRO) and TPH-diesel range organics (TPH-DRO). Groundwater samples with TPH-DRO concentrations above 0.15 milligrams per liter (mg/L) were further analyzed for polycyclic aromatic hydrocarbons (PAH).
- Analytical results for soil samples collected during the DISI, indicated MTBE concentrations 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 of the document, are present at the site.
- Analytical results for groundwater samples collected during the DISI, indicated benzene, MTBE, TPH-GRO, TPH-DRO, Naphthalene, and 2-Methylnaphthalene concentrations exceeding the LDEQ RECAP SS were also present at the site.
- Highest soil and groundwater hydrocarbon concentrations were detected to the southeast of the former tank hold in monitor well MW-1.
- A sensitive receptor survey conducted at the site revealed no natural or manmade receptors, with the exception of underground utility corridors, in the vicinity of hydrocarbon impact.

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1.0 INTRODUCTION

1.1 GENERAL

At the request of Exxon Mobil Corporation (ExxonMobil), Conestoga-Rovers & Associates (CRA) conducted a Divestment Initial Subsurface Investigation (DISI) at former Exxon Retail Store No. 5-0608 located at 4555 Essen Lane, Baton Rouge, East Baton Rouge Parish, Louisiana. The site is an inactive Exxon service station.

1.2 BACKGROUND

There have been no previous site assessments conducted at this site.

1.3 PURPOSE AND SCOPE

The purpose of the DISI was to determine if service station operations have adversely impacted subsurface media (soil and groundwater), and to collect the necessary data to evaluate the site utilizing the Louisiana Department of Environmental Quality's (LDEQ) Risk Evaluation/Corrective Action Program (RECAP), October 20, 2003, version if warranted.

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

- Installing three soil exploration borings (MW-1 through MW-3) to a maximum depth of 20 feet below ground surface (ft-bgs) using direct-push technology/split-spoon samplers/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 maximum of two soil samples from each of the borings to Test America, Inc. (TAI) for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE); total petroleum hydrocarbons-gasoline range organics (TPH-GRO); and TPH-diesel range organics (TPH-DRO).
- Completing the borings as 2-inch diameter monitor wells (MW-1 through MW-3) using schedule 40 PVC casing and 0.01-inch slotted screen. 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-3) for submittal to TAI for laboratory analyses of BTEX, MTBE, TPH-GRO, and TPH-DRO. Groundwater samples with TPH-DRO concentrations exceeding the RECAP SS of 0.15 mg/L were further analyzed for PAH.

- Surveying the newly-installed monitor well 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 soil boring/monitor well installations, soil and groundwater sampling, and analytical data.

2.0 SITE CHARACTERISTICS

2.1 SITE AND SURROUNDING LAND USE DESCRIPTIONS

The site is an inactive self-service motor fuel retail facility located on the southeast corner of the intersection of Essen Lane and One Calais Avenue in Baton Rouge, Louisiana. The approximate 0.7-acre site consists of a station building, a car wash, and four dispenser islands covered by a canopy. The underground storage tanks (USTs) were removed in April 2005. A site plan depicting the layout of the facility, the former UST hold location, station building, and monitor well locations is included as figure 1.

Surrounding land use consists of predominantly commercial development along Essen Lane and One Calais Avenue. A surrounding land use map is included as figure 2.

2.2 TOPOGRAPHY, GEOLOGY, AND HYDROGEOLOGY DISCUSSION

Site Topography. The site is located on the Prairie Terrace, which is a Pleistocene alluvial and deltaic landform on the Gulf Coastal Plain. The site is elevated above the nearby floodplain of the Mississippi River, to the southwest. The site is nearly flat, with elevations of approximately 20 feet above mean sea level (NGVD). Natural drainage is eastward to Ward Creek that flows through a canal to Bayou Manchac to the southeast.

Site Geology. Surface soils at the site typically are composed of clays and silty clays common to alluvial floodplain deposition. Underlying the site are up to 500 feet of Pleistocene alluvial and deltaic deposits predominantly composed of clays and silty clays with lenses of silts and sands. Sand units from the shallow Pleistocene thicken to the west toward the Mississippi River. Underlying, older Pleistocene deposits consist of thick, widespread fine to coarse sand and gravel layers, separated by laterally continuous clay horizons. Beneath the Pleistocene deposits are similar, older sedimentary deposits of Pliocene and Miocene age.

Groundwater Characteristics. The shallow Pleistocene deposits may contain locally significant water-bearing deposits, particularly where sand layers thicken to the west where they form the "University Aquifer" according to "Ground-Water conditions in the Baton Rouge Area, 1954-59", Water Resources Bulletin No. 2, by C.O. Morgan, (1961), and "Maps of the "400-foot," "600-foot," and Adjacent Aquifers and Confining Beds, Baton Rouge Area, Louisiana", Water Resources Technical Report No. 48, by E.K. Kuniansky, D.C. Dial, and D.A. Trudeau (1989). The shallow units in the site vicinity are not typically used for water supply because of limited availability and variable quality.

The uppermost aquifer of concern is the "400-foot" aquifer, which occurs in the uppermost, widespread Pleistocene deltaic sand, and is a possible source of groundwater for drinking and industrial use in the area, although deeper portions of this aquifer may contain brackish water. The "400-foot" aquifer sands typically occur within 750 feet of the ground surface and range from 100 to 200 feet in thickness. The "400-foot" aquifer is underlain by equivalents of the "600-foot" and deeper sands from the north Baton Rouge area. The lower aquifers typically contain brackish to saline groundwater in the site vicinity.

2.3 SENSITIVE RECEPTOR SURVEY

A survey of registered water wells within a one-mile radius of the site was conducted. The survey indicated eight water wells within the area. Of those, two are registered as monitor wells, two are registered as heat pump wells, one is registered as observation, one is registered as domestic, one is registered as industrial, and one is registered as other. A 7.5 minute quadrangle map showing the locations of the registered water wells within a one-mile radius of the site is included as figure 3.

Natural receptors include groundwater, soil, surface water bodies near the site, and air. The previous release has impacted soil and groundwater and there is a potential pathway to air due to the volatility of the released constituents. The nearest surface water is Ward Creek located approximately 560 feet south-southwest of the site. It is not likely that surface water would be impacted by groundwater migrating from the site due to the limited extent of the soil and groundwater impact and the low permeability of the soils. A sensitive receptor survey is attached as Appendix A.

3.0 SOIL AND GROUNDWATER ENVIRONMENTAL ASSESSMENT

3.1 DRILLING AND SOIL SAMPLING

On March 30 and 31, 2005, CRA installed three soil borings (MW-1 through MW-3) utilizing a mobile drill rig operated by CRA subcontractor Walker-Hill Environmental, Inc. (Walker-Hill) of Columbia, Mississippi. Each boring was cleared of subsurface obstructions utilizing an air knife and vacuum extraction to a total depth of eight feet below ground surface (ft-bgs). A hand operated split-spoon sampling device was used to collect samples from 0 to 8 ft-bgs. Each boring was then drilled to completion depth (maximum 20 ft-bgs) using a Mobile Drill vehicular mounted rig with 4.25 inch I.D. (8.25-inch O.D.) hollow stem augers. Prior to the initiation of each boring, the drilling and sampling equipment was thoroughly cleaned with hot, pressurized water and the decontamination water was drummed for subsequent disposal. All soil cuttings generated during the soil boring activities were stored in drums for subsequent disposal following analysis of a composite sample for the required disposal parameters.

Soil samples were collected at two-foot intervals from the surface to the completion depth of each boring using a direct push sampler. Detailed boring logs are presented in Exhibit 1. Depth to first-encountered groundwater is included on the boring logs. Immediately 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 of the soil borings. A portion of each sample was sealed in a clean, glass jar and allowed to stabilize at ambient air temperature for approximately one hour. The headspace in each jar was then analyzed with a photoionization detector (PID) Photovac 2020. The results of the PID screening are also presented on the boring logs (Exhibit 1).

Immediately upon collection, a portion of each soil sample was placed in a clean laboratory supplied container and preserved on ice for possible analytical laboratory 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 reading in the zero to fifteen foot depth range, 2) first-encountered groundwater, and 3) total depth of the borehole.

The soil sampling procedures and documentation were performed in compliance with CRA's standard sampling protocol which is based upon the U. S. Environmental Protection Agency's (EPA) Field Sampling and Analysis Technologies Matrix and Reference Guide, March 1998 and EPA Method 5035. The soil samples selected for

analyses remained on ice and were subsequently transported by Federal Express courier, following proper chain-of-custody procedures, to TAI. The soil samples collected from the soil borings were analyzed in accordance with Test Methods for Evaluating Solid Waste, SW-846, Third Edition, December 1996 for BTEX and MTBE by EPA Method 8260B and TPH-GRO and TPH-DRO by EPA Method 8015B. Soil sample analytical laboratory results are summarized in Table 1. The soil sample analytical laboratory report and chain-of-custody document are included in Appendix B.

3.2 MONITOR WELL CONSTRUCTION AND DEVELOPMENT

Soil borings MW-1 through MW-3 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 in 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 April 14, 2005, were submitted to the Louisiana Department of Transportation and Development (LDOTD) are included in Appendix C.

The vertical and horizontal positions of the monitor wells were established by CRA personnel. 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. The project bench mark is identified as a manhole located near the east facility entrance of the facility from One Calais Avenue.

On April 4, 2005, CRA personnel developed monitor wells MW-1 through MW-3 with the use of a two-inch PVC surge block and purged the monitor wells with PVC bailers until a relatively clear discharge was obtained or the wells bailed dry. Monitor well development water was drummed for subsequent disposal.

3.3 GROUNDWATER LEVEL MEASUREMENTS AND POTENTIOMETRIC ELEVATIONS

CRA personnel visited the site on April 4, 2005, to measure groundwater/PSH levels in monitor wells MW-1 through MW-3. 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 as Exhibit 2. Groundwater potentiometric elevation data is presented in Table 3, along with monitor well sampling data.

Groundwater elevations from data collected on April 4, 2005, are presented on figure 4. Measurement data indicates prevailing groundwater to be approximately 0.8 ft below the top-of-casing (MW-2) to 2.8 ft below the top-of-casing (MW-3). Groundwater flow direction is predominantly to the southwest.

3.4 MONITOR WELL SAMPLING AND ANALYSES

Monitor wells MW-1 through MW-3 were purged and sampled on April 4, 2005. Purged groundwater was drummed for subsequent disposal. The groundwater sampling procedures and documentation were performed in compliance with CRA's standard sampling protocol, which is based upon the EPA's RCRA Ground-Water Monitoring Technical Enforcement Guidance Document, September 1986. The samples were collected using new, clean, PVC bailers, placed in laboratory supplied containers, stored on ice, and subsequently transported by Federal Express courier, following proper chain-of-custody procedures, to TAI. A portion of each groundwater sample was analyzed in the field for temperature, specific conductance, and pH. Record of the sampling event is included on the Monitor Well Sampling Record form included as Exhibit 2.

Groundwater samples were analyzed for BTEX/MTBE, TPH-GRO, and TPH-DRO by the aforementioned methods. In addition, monitor wells was further analyzed for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8310. Analytical laboratory results for the April 4, 2005, sampling event is summarized in Tables 4A and 4B. The groundwater sample analytical laboratory reports and chain-of-custody forms are included as Appendix B. Included in the laboratory reports are laboratory methods used and quality assurance/quality control data.

3.5 QA/QC SAMPLE ANALYSIS

In accordance with RECAP, QA/QC samples were collected and analyzed for the appropriate parameters based on soil and groundwater sample analysis requested. For soil and groundwater samples, QA/QC blanks included: one equipment rinsate sample per 20 field samples (for each sampling device); one field blank per day; and one trip blank per sample cooler containing BTEX/MTBE samples. In addition, for groundwater samples, one field replicate sample was collected per 20 field samples. All field blank sample results were below analytical reporting limits. The replicate sample result indicated constituent concentrations similar to monitor well MW-1.

3.6 SOIL AND GROUNDWATER ANALYTICAL RESULTS

Analytical results for soil samples collected from the soil borings indicated one constituent with concentrations above RECAP Screening Option (SO) Screening Standards (SS) (see Table 1). Soil boring interval MW-1 (18'-20') exceeded the MTBE RECAP SS of 0.077 milligrams per kilogram (mg/kg) with a concentration of **0.149 mg/kg**.

Analytical results for groundwater samples collected from the monitor wells indicated six constituents with concentrations above RECAP SS (see Tables 4A and 4B). Monitor well MW-1 exceeded the benzene RECAP SS of 0.005 milligrams per liter (mg/L), naphthalene RECAP SS of 0.01 mg/L, and the 2-methylnaphthalene RECAP SS of 0.00062 mg/L with concentrations of **0.159 mg/L**, **0.4 mg/L**, and **0.398 mg/L**, respectively. Monitor wells MW-1 and MW-2 exceeded the MTBE RECAP SS of 0.02 mg/L with concentrations of **0.199 mg/L** and **0.0269 mg/L**, respectively. Monitor wells MW-1 and MW-2 exceeded the TPH-GRO RECAP SS of 0.15 mg/L with concentrations of **19.3 mg/L** and **0.797 mg/L**, respectively. Monitor wells MW-1 through MW-3 exceeded the TPH-DRO RECAP SS of 0.15 mg/L with concentrations of **6.44 mg/L**, **0.634 mg/L**, and **0.222 mg/L**, respectively. Groundwater benzene, MTBE, TPH-GRO, and TPH-DRO concentrations and benzene, MTBE, and TPH-GRO isopleths are shown on figure 5.

On April 21, 2005, CRA filed an Unauthorized Discharge Notification with the LDEQ/Single Point of Contact (SPOC) via online incident reporting web page (confirmation # LTPX 2156) to provide notification of investigation results within 24-hours of the receipt of signed laboratory reports. Written notification was submitted on April 28, 2005, within seven calendar days of online notification as required by the LDEQ Notification Requirements for Unauthorized Discharge (LAC 33, Part I, Chapter

39). A copy of the online confirmation and written notification form is included as Appendix D.

4.0 SUMMARY OF FINDINGS

4.1 FINDINGS

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

- The site is an inactive Exxon retail store located in a developed area of predominantly commercial properties.
- Three soil exploration borings (MW-1 through MW-3) were installed to a maximum depth of 20 feet. Soil and groundwater samples from the soil borings and/or monitor wells were analyzed for BTEX, MTBE, TPH-GRO, and TPH-DRO.
- Groundwater samples collected from the newly installed monitor wells (MW-1 through MW-3) were analyzed for BTEX, MTBE, TPH-GRO, TPH-DRO, and PAH.
- Analytical results indicated elevated hydrocarbon concentrations in groundwater in all monitor wells. The highest hydrocarbon concentrations were observed in monitor well MW-1.
- No off-site source of hydrocarbon impact was identified.
- A sensitive receptor survey conducted at the site revealed no natural or manmade receptors, with the exception of underground utility corridors, in the vicinity of hydrocarbon impact.

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

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

Seth P. Domangue

Thomas B. Powers, PG

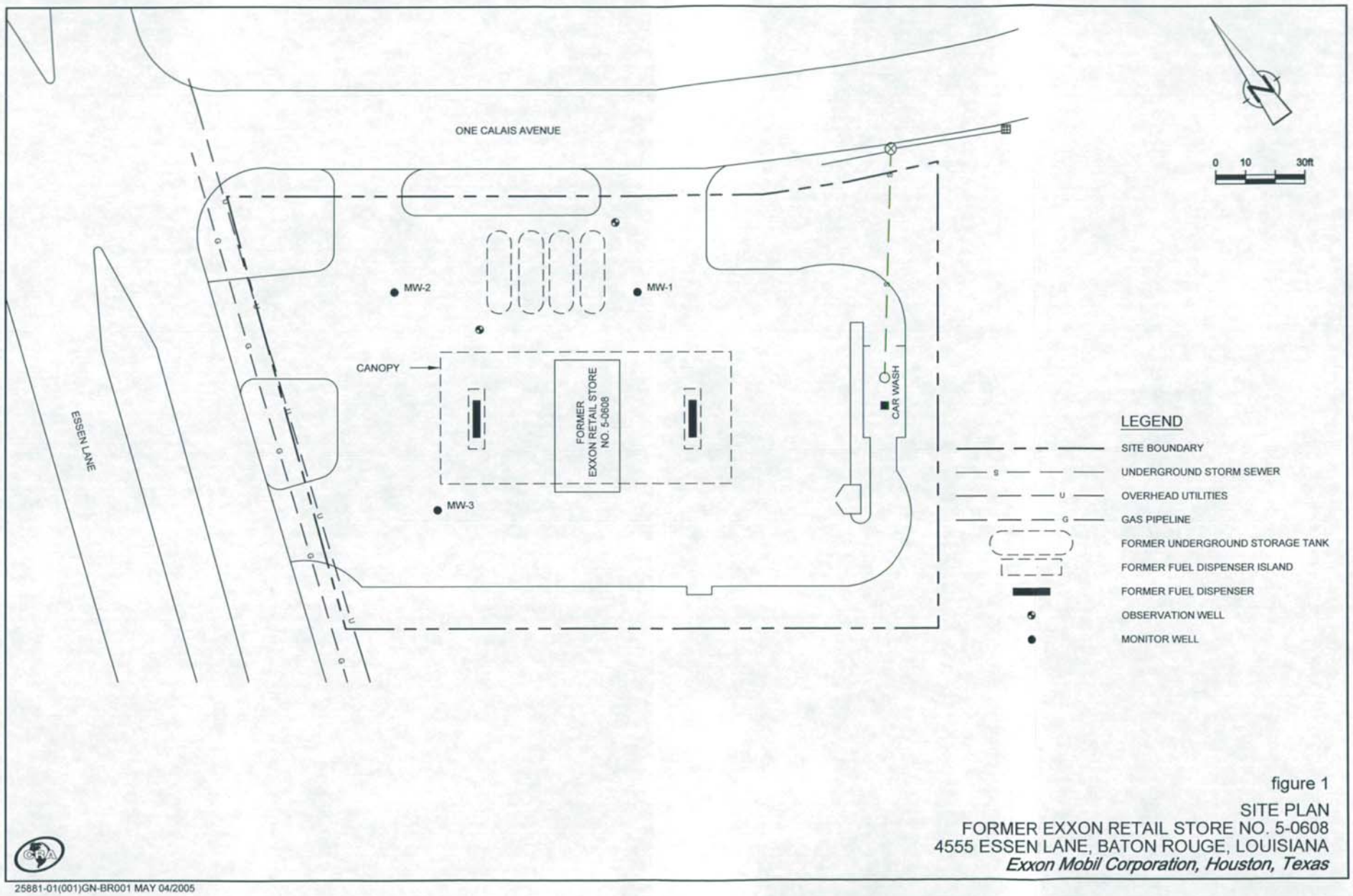


figure 1

SITE PLAN
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE, BATON ROUGE, LOUISIANA
Exxon Mobil Corporation, Houston, Texas

25881-01(001)GN-BR001 MAY 04/2005

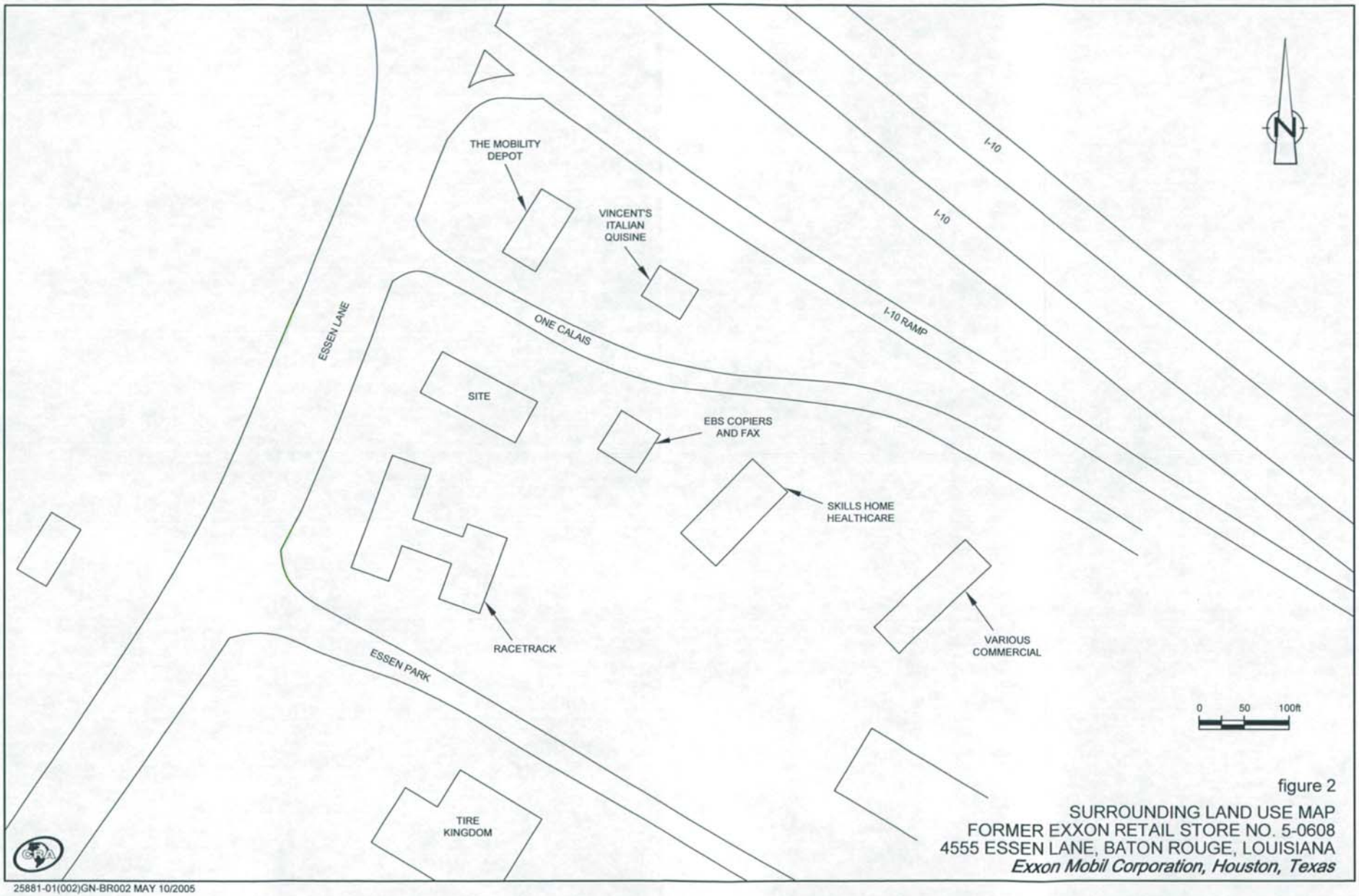
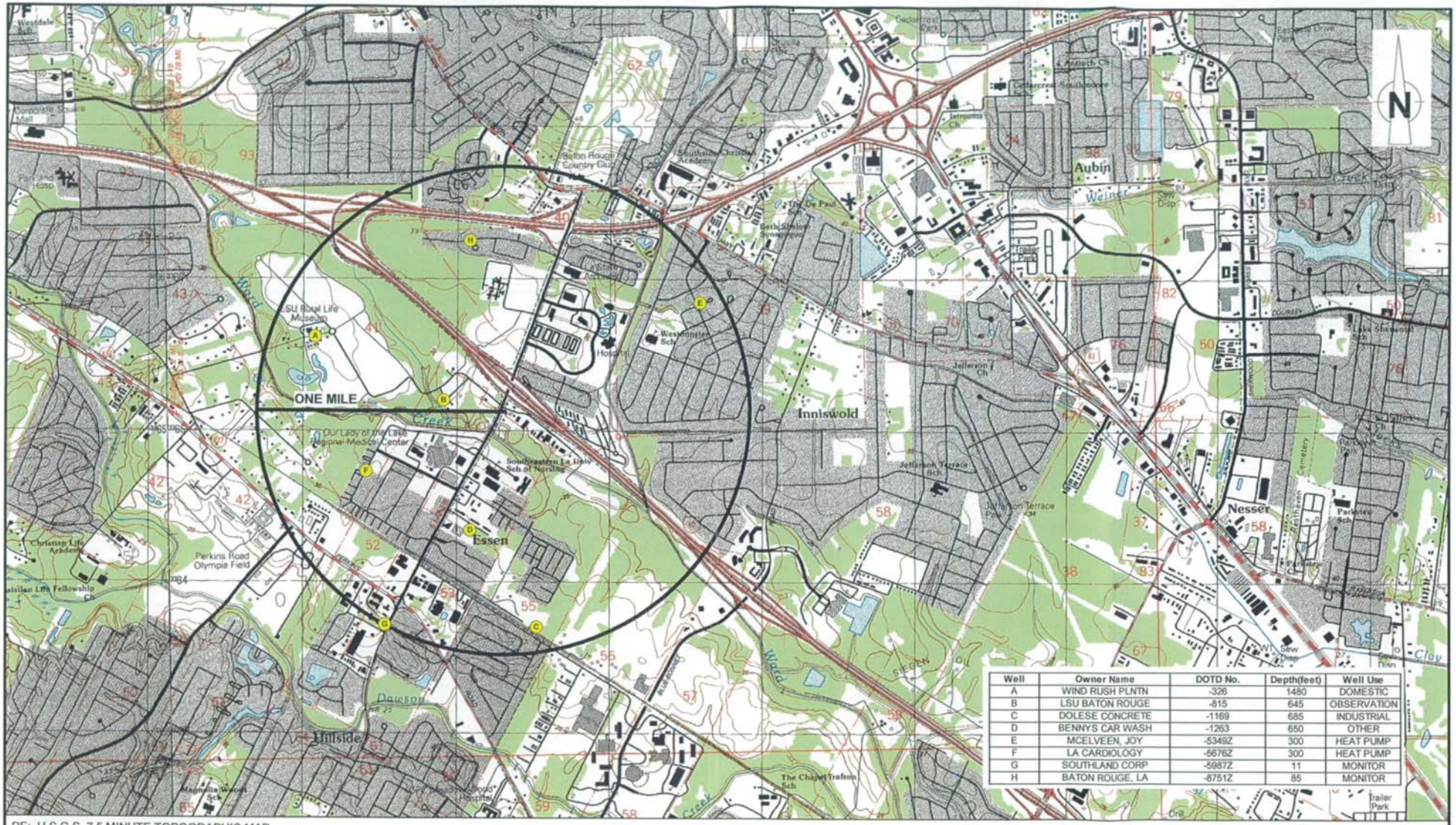


figure 2

SURROUNDING LAND USE MAP
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE, BATON ROUGE, LOUISIANA
Exxon Mobil Corporation, Houston, Texas

25881-01(002)GN-BR002 MAY 10/2005



Well	Owner Name	DOTD No.	Depth(feet)	Well Use
A	WIND RUSH PLNTN	-326	1480	DOMESTIC
B	LSU BATON ROUGE	-815	645	OBSERVATION
C	DOLESE CONCRETE	-1169	685	INDUSTRIAL
D	BENNYS CAR WASH	-1263	650	OTHER
E	MCELVEEN, JOY	-5349Z	300	HEAT PUMP
F	LA CARDIOLOGY	-5676Z	300	HEAT PUMP
G	SOUTHLAND CORP	-5987Z	11	MONITOR
H	BATON ROUGE, LA	-8751Z	85	MONITOR

RE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC MAP,
"BATON ROUGE EAST, LOUISIANA," DATED 1992 AND
"BATON ROUGE WEST, LOUISIANA," DATED 1992.

LEGEND

WATER WELL LOCATION

0 1,000 2,000 Feet

figure 3

WATER WELL MAP

FORMER EXXON RETAIL STORE NO. 5-0608

4555 ESSEN LANE, BATON ROUGE, LOUISIANA

Exxon Mobil Corporation, Houston, Texas

25881-01(002)PR-BR001 MAY 4/2005

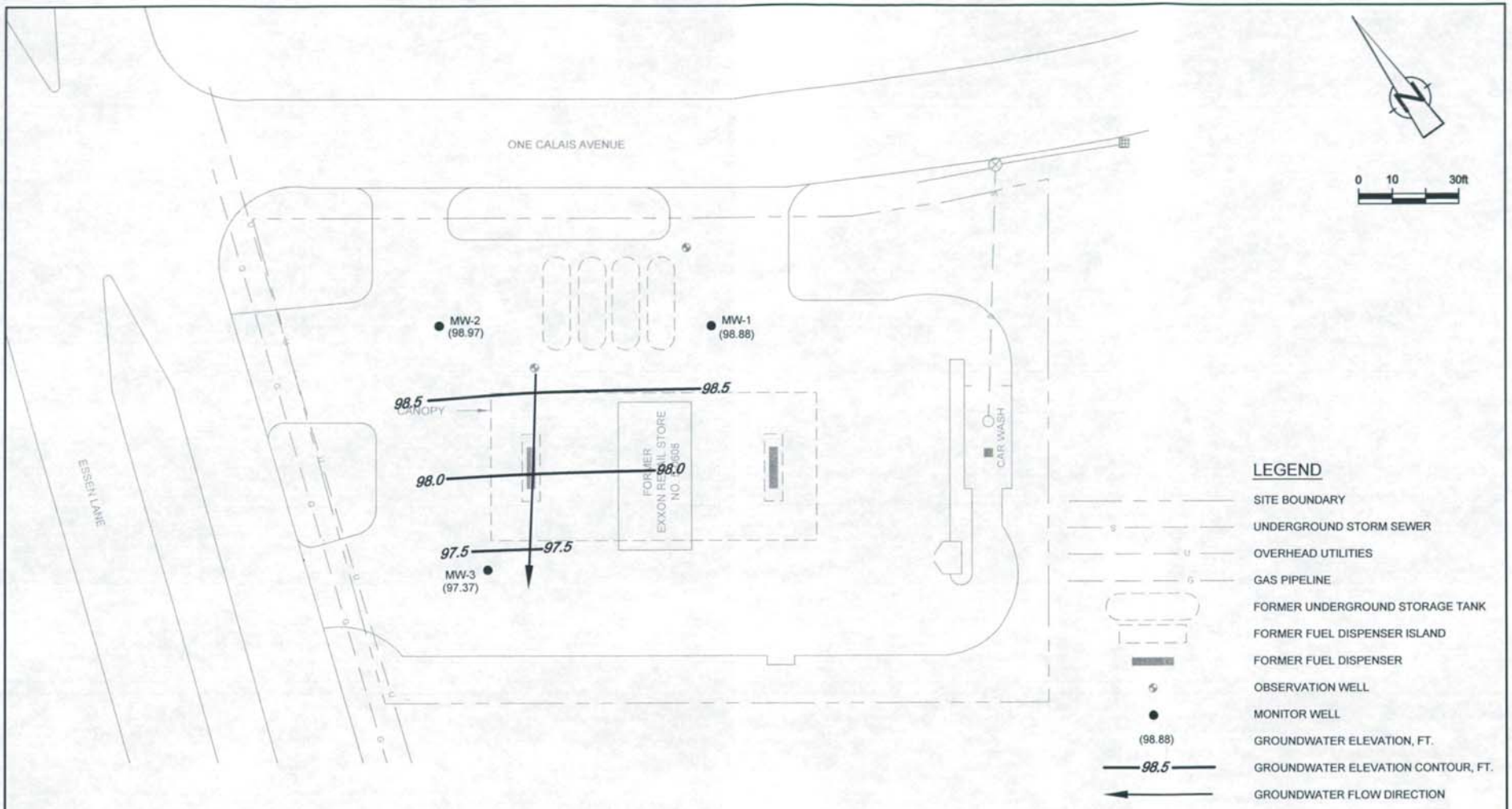
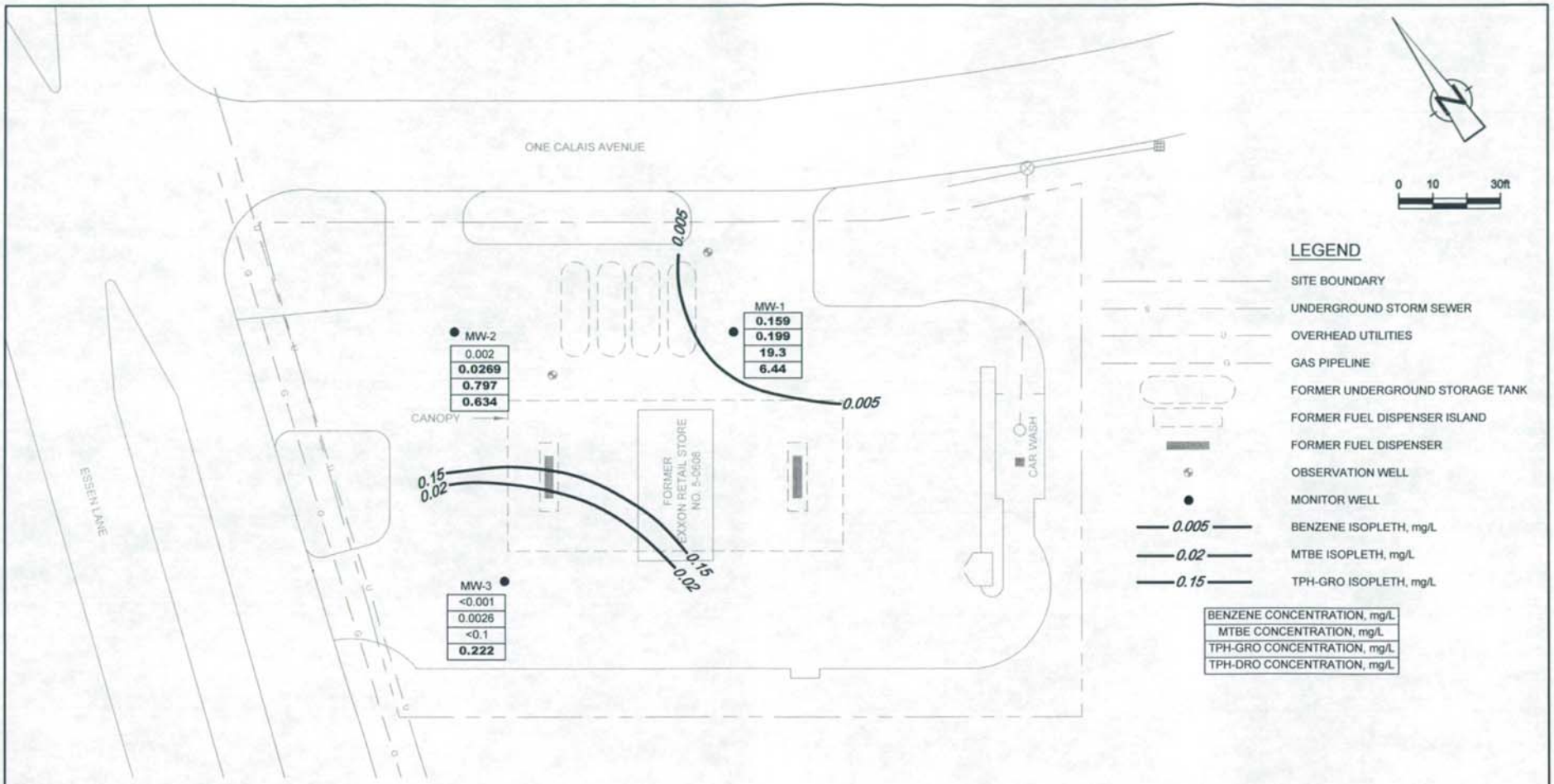


figure 4

GROUNDWATER POTENTIOMETRIC ELEVATIONS AND CONTOURS, APRIL 4, 2005
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE, BATON ROUGE, LOUISIANA
Exxon Mobil Corporation, Houston, Texas

25881-01(002)GN-BR004 MAY 10/2005



NOTES:
1) BOLD FONT INDICATES RESULT EXCEEDS RECAP SCREENING STANDARD.
2) ISOPLETHS REFLECT RECAP SCREENING STANDARDS.

figure 5

GROUNDWATER BENZENE, MTBE, TPH-GRO, AND TPH-DRO CONCENTRATIONS AND BENZENE, MTBE, AND TPH-GRO ISOPLETHS, APRIL 4, 2005
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE, BATON ROUGE, LOUISIANA
Exxon Mobil Corporation, Houston, Texas

25881-01(002)GN-BR005 MAY 10/2005

TABLE 1

SOIL SAMPLE ANALYTICAL LABORATORY DATA
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE
BATON ROUGE, LOUISIANA
AGENCY INTEREST NUMBER: 13366

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)*	*TPH-DRO (mg/kg)*
		*0.051**	*20**	*19**	*120**	*0.077**	*65**	*65**
MW-1 (0' - 2')	03/30/05	<0.0019	0.0025	<0.0019	<0.0019	0.0153	<9.92	<9.84
MW-1 (18' - 20')	03/30/05	0.0068	0.007	0.0416	0.245	**0.149**	<10.5	<10.2
MW-2 (0' - 2')	03/30/05	<0.0021	0.0037	<0.0021	<0.0021	<0.0021	<10.8	<9.88
MW-2 (10' - 12')	03/31/05	<0.002	<0.002	<0.002	<0.002	0.0038	<9.9	<10
MW-3 (0' - 2')	03/30/05	<0.002	0.0033	<0.002	<0.002	<0.002	<10.3	<10
MW-3 (4' - 6')	03/30/05	<0.0021	0.0029	<0.0021	<0.0021	<0.0021	<9.96	<10.1
MW-3 (10' - 12')	03/31/05	<0.0018	0.0019	<0.0018	<0.0018	<0.0018	<9.33	<10.1

mg/kg = Milligrams per kilogram, which is equivalent to parts per million (ppm).
MTBE = methyl tertiary butyl ether
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
TPH-DRO = Total Petroleum Hydrocarbons-Diesel Range Organics
* 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.

TABLE 2

MONITOR WELL INSTALLATION DATA
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE
BATON ROUGE, LOUISIANA
AGENCY INTEREST NUMBER: 13366

Well I.D.	*Date of Installation*	*Well Depth*	*Ground Surface Elevation*	*Top-of-Casing Elevation*	*Groundwater Elevation at Development*	*Screen Interval Elevation*	*Latitude*	*Longitude*
MW-1	03/30/05	20.0	100.06	99.80	98.88	98.36 to 81.36	N30°24'22"	W91°06'08"
MW-2	03/31/05	12.0	100.12	99.80	98.97	98.42 to 88.42	N30°24'22"	W91°06'08"
MW-3	03/31/05	12.2	99.89	100.18	97.38	98.57 to 88.57	N30°24'22"	W91°06'08"

Notes:

(1) Elevations are relative to a project bench mark with an essigned 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
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE
BATON ROUGE, LOUISIANA
AGENCY INTEREST NUMBER: 13366

MONITOR WELL ID NUMBER	*MW-1*	*MW-2*	*MW-3*
DOTD ID NUMBER	N/A	N/A	N/A
DATE SAMPLED	04/04/05	04/04/05	04/04/05
TOP OF CASING ELEVATION (ft)[1]	99.80	99.80	100.18
STATIC WATER LEVEL (ft below TOC)	0.92	0.83	2.80
TOTAL DEPTH (ft below TOC)	18.50	11.60	12.20
STATIC WATER ELEVATION (ft)	98.88	98.97	97.38
FREE PRODUCT THICKNESS (ft)	None	None	None
FREE PRODUCT ELEVATION (ft)	N/A	N/A	N/A
PURGE METHOD	PVC Bailer	PVC Bailer	PVC Bailer
ACTUAL PURGE VOLUME (Gal)	10.0	5.0*	8.0
SAMPLING METHOD	Grab	Grab	Grab
EQUIPMENT USED	PVC Bailer	PVC Bailer	PVC Bailer
PRODUCT RECOVERED (Gal)	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 4A

GROUNDWATER SAMPLE ANALYTICAL LABORATORY DATA
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE
BATON ROUGE, LOUISIANA
AGENCY INTEREST NUMBER: 13366

Monitor Well	*Sample Date*	*Parameter*						
		Benzene (mg/L)	*Toluene (mg/L)*	*Ethylbenzene (mg/L)*	*Xylenes (mg/L)*	*MTBE (mg/L)*	*TPH-GRO (mg/L)*	*TPH-DRO (mg/L)*
		0.005*	***1.0****	***0.7****	***10****	***0.02****	***0.15****	***0.15****
MW-1	04/04/05	**0.159**	0.0875	0.586	1.95	**0.199**	**19.3**	**6.44**
MW-2	04/04/05	0.002	<0.001	<0.001	<0.001	**0.0269**	**0.797**	**0.634**
MW-3	04/04/05	<0.001	<0.001	<0.001	<0.001	0.0026	<0.1	**0.222**

mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).
MTBE = methyl tertiary butyl ether
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
TPH-DRO = Total Petroleum Hydrocarbons-Diesel Range Organics
* 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 Standards.

TABLE 4B

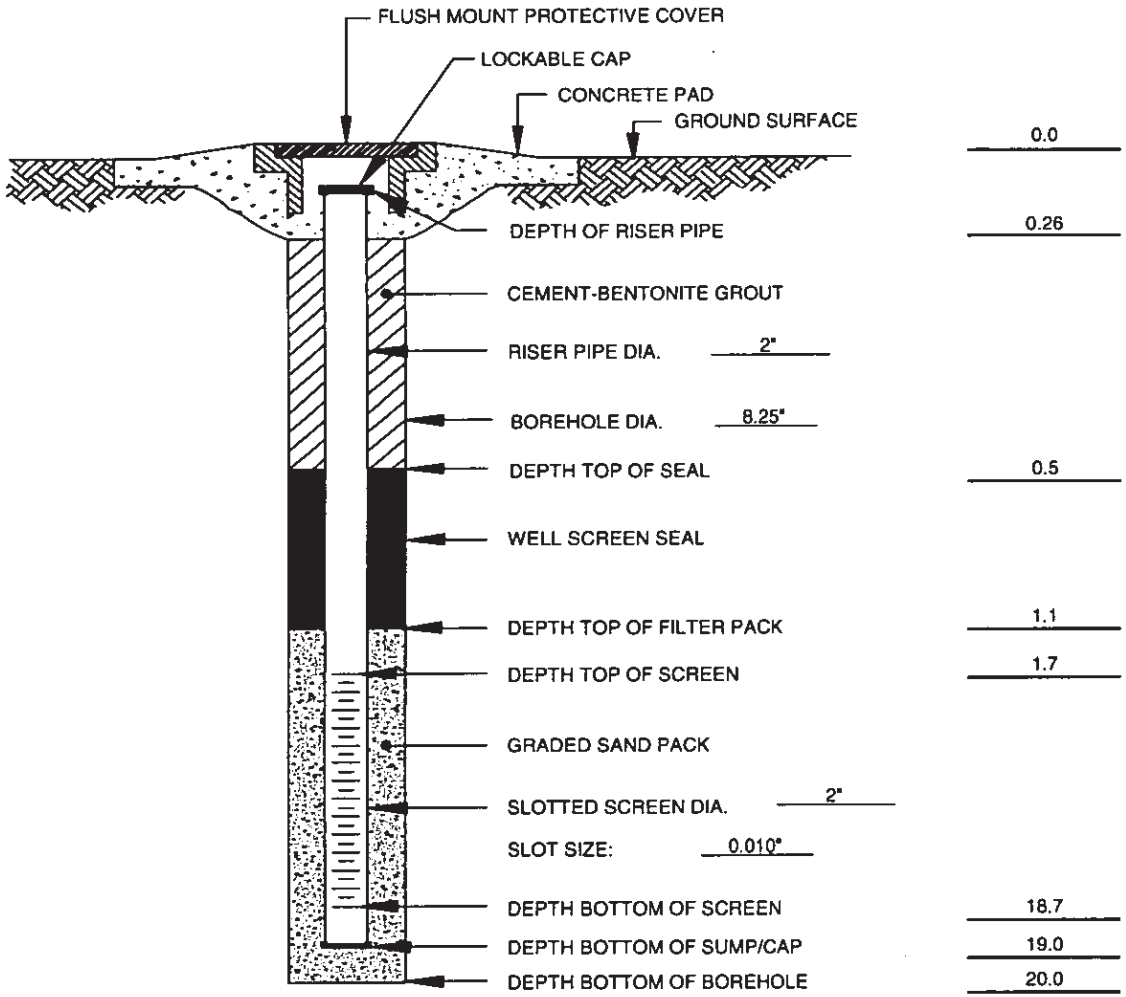
GROUNDWATER SAMPLE ANALYTICAL LABORATORY DATA
FORMER EXXON RETAIL STORE NO. 5-0608
4555 ESSEN LANE
BATON ROUGE, LOUISIANA
AGENCY INTEREST NUMBER: 13366

		Parameter															
Sample Location	*Sample Date*	*Acenaphthene (mg/L)*	*Anthracene (mg/L)*	*Benzo(a)anthracene (mg/L)*	*Benzo(b)fluoranthene (mg/L)*	*Benzo(k)fluoranthene (mg/L)*	*Benzo(a)pyrene (mg/L)*	*Chrysene (mg/L)*	*Dibenzo(a,h)anthracene (mg/L)*	*Fluoranthene (mg/L)*	*Fluorene (mg/L)*	*Indeno(1,2,3-cd)pyrene (mg/L)*	*Naphthalene (mg/L)*	*Pyrene (mg/L)*	*Acenaphthylene (mg/L)*	*2-Methylnaphthalene (mg/L)*	*Phenanthrene (mg/L)*
		*0.037**	*0.043**	*0.0078**	*0.0048**	*0.0025**	*0.0002**	*0.0016**	*0.0025**	*0.15**	*0.024**	*0.0037**	*0.01**	*0.018**	*0.1**	*0.00062**	*0.18**
MW-1	04/04/05	<0.001	0.00739	<0.0001	<0.0001	<0.00014	<0.0001	<0.0001	<0.0002	0.00053	<0.0005	<0.0002	**0.4**	0.00236	<0.001	**0.398**	<0.0005
MW-2	04/04/05	<0.002	<0.001	<0.0002	<0.0002	<0.00028	<0.0002	<0.0002	<0.0004	<0.0004	<0.001	<0.0004	<0.002	<0.0004	<0.002	<0.002	<0.001
MW-3	04/04/05	<0.001	<0.0005	<0.0001	<0.0001	<0.00014	<0.0001	<0.0001	<0.0002	<0.0002	<0.0005	<0.0002	<0.001	<0.0002	<0.001	<0.001	<0.0005

NA = Not Analyzed
mg/L = Milligrams per liter, which is equivalent to parts per million (ppm).
Notes: (1) Insufficient groundwater accumulation for sample collection.
* Screening Standards specified in the LDEQ's October 20, 2003, RECAP Table 1-Screening Options, Screening Standards for Soil and Groundwater.
Bold font with shading indicates result exceeds RECAP Screening Standard.

EXHIBIT 1

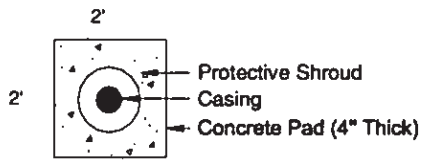
SOIL BORING LOGS (MW-1 THROUGH MW-3)
AND
MONITOR WELL CROSS-SECTION DETAIL FORMS (MW-1 THROUGH MW-3)



ELEV. TOP OF RISER	99.80
ELEV. GROUND SURFACE	100.06
SCREENED INTERVAL	98.36 to 81.36
DATE INSTALLED	03/30/05

Construction Notes:

Well Casing:	2" DIA. SCH. 40 PVC
Shroud:	FLUSH MOUNT
Filter Pack:	10-50 LB. BAGS OF 20/40 SILICA SAND
Bentonite Seal:	0.5 - 50 LB. BAG OF BENTONITE CHIPS
Time/Date Placed:	1600 - 03/30/05
Grout:	N/A
Unit Weight:	N/A
Time/Date Placed:	N/A



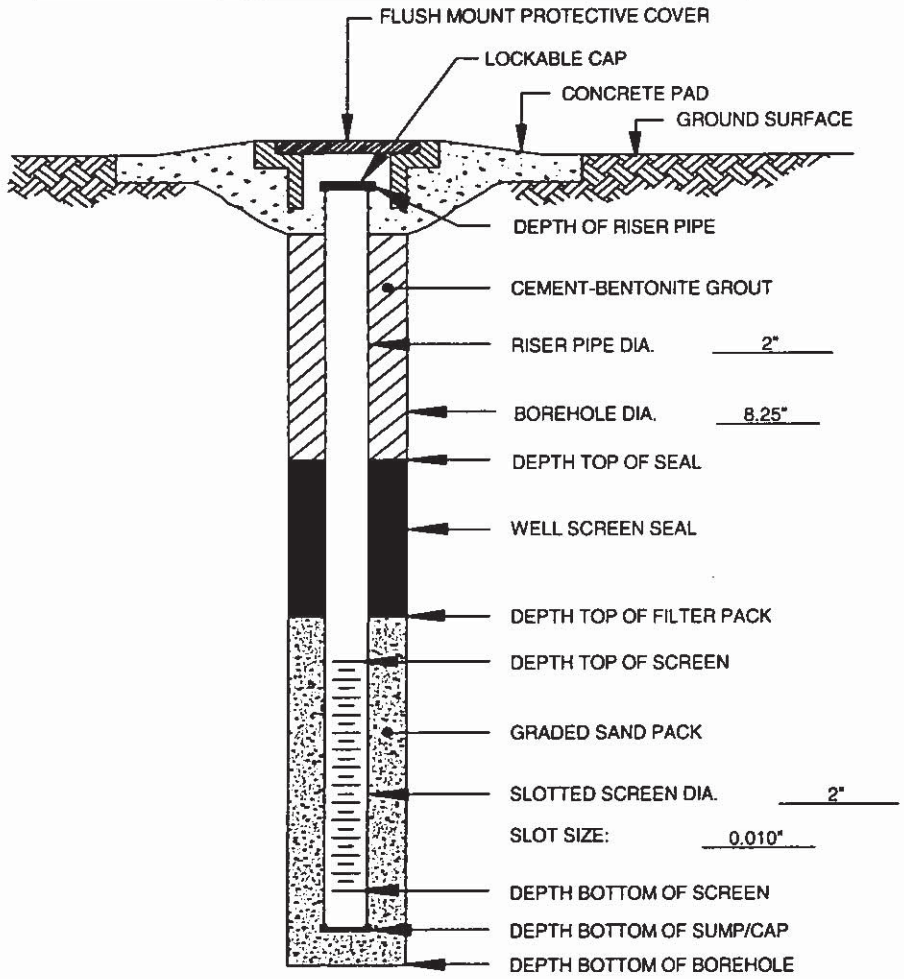
PLAN VIEW

SECTION VIEW

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

CONESTOGA-ROVERS & ASSOCIATES

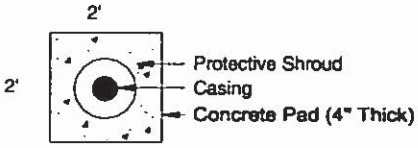
04/06/05 DATE	1 REV. NO.	25881-01 FILE NO	Exxon Mobil Corporation Houston, Texas CLIENT	Former Exxon Retail Store No. 5-0608 4555 Essen Lane Baton Rouge, Louisiana PROJECT LOCATION	**Monitor Well Cross-Section MW-1** 25881-01 (2)	1 EXHIBIT
SPD DRAWN BY	SPD CHECKED BY	TBP APPROVED BY				



ELEV. TOP OF RISER	99.80
ELEV. GROUND SURFACE	100.12
SCREENED INTERVAL	98.42 to 88.42
DATE INSTALLED	03/31/05

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:	0900- 03/31/05
Grout:	N/A
Unit Weight:	N/A
Time/Date Placed:	N/A



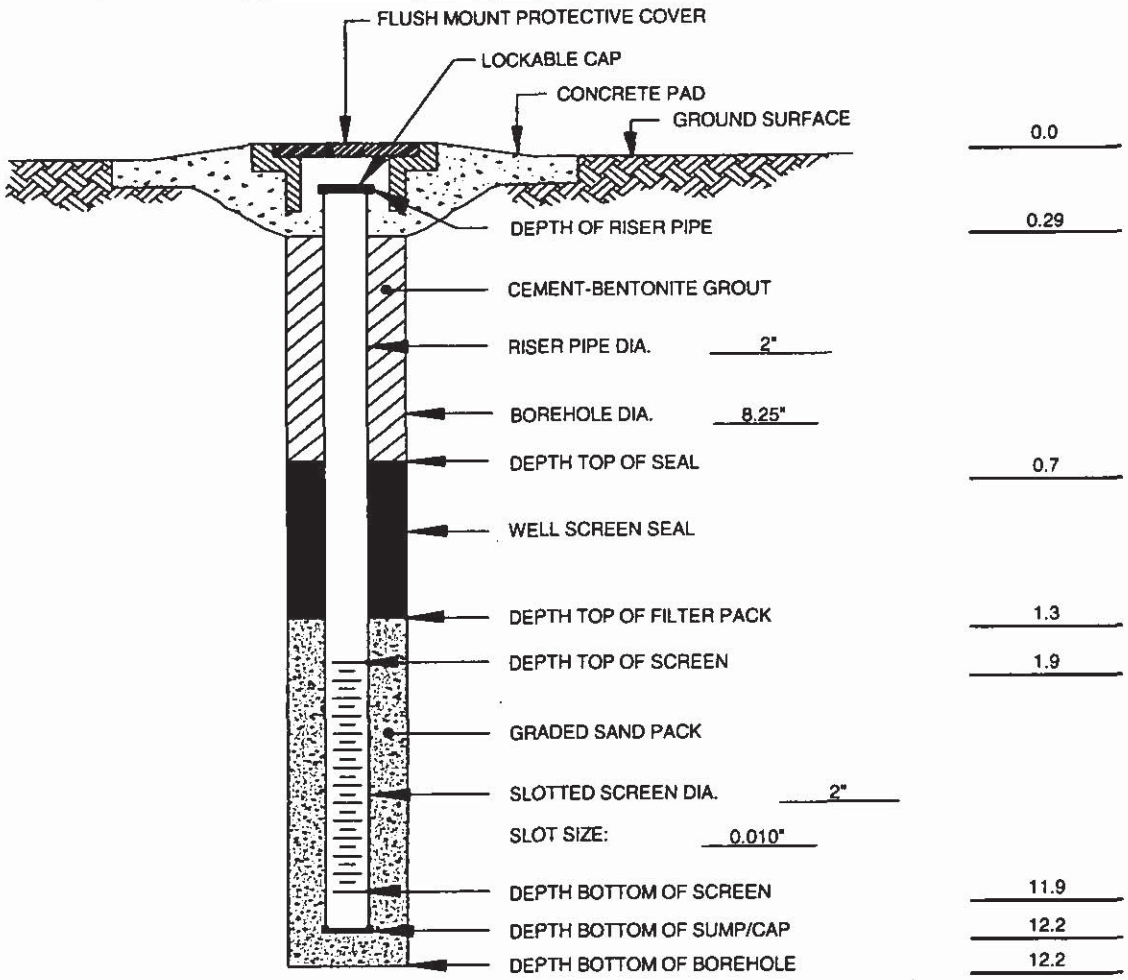
PLAN VIEW

SECTION VIEW

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

CONESTOGA-ROVERS & ASSOCIATES

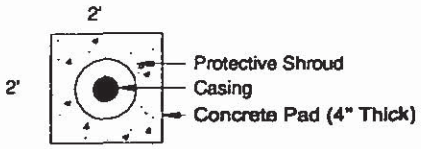
04/06/05 DATE	1 REV. NO.	25881-01 FILE NO.	Exxon Mobil Corporation Houston, Texas CLIENT	Former Exxon Retail Store No. 5-0608 4555 Essen Lane Baton Rouge, Louisiana PROJECT LOCATION	**Monitor Well Cross-Section MW-2 25881-01 (2)**	**1** EXHIBIT
SPD DRAWN BY	SPD CHECKED BY:	TBP APPROVED BY:				



ELEV. TOP OF RISER	100.18
ELEV. GROUND SURFACE	99.89
SCREENED INTERVAL	98.57 to 88.57
DATE INSTALLED	03/31/05

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:	0940 - 03/31/05
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

04/06/05 DATE	1 REV. NO.	25881-01 FILE NO	Exxon Mobil Corporation Houston, Texas CLIENT	Former Exxon Retail Store No. 5-0608 4555 Essen Lane Baton Rouge, Louisiana PROJECT LOCATION	**Monitor Well Cross-Section MW-3** 25881-01 (2)	**1** EXHIBIT
SPD DRAWN BY	SPD CHECKED BY	TBP APPROVED BY				

EXHIBIT 2

MONITOR WELL SAMPLING RECORD

MONITOR WELL SAMPLING RECORD

CLIENT: Exxon Mobil Corporation PROJECT: Divestment Initial Subsurface Investigation

SITE LOCATION: Former Exxon Retail Store No. 5-0608,4555 Essen Lane, Baton Rouge, Louisiana

CRA FILE NO.: 25881-01 (2) SPECIALIST: TD

WELL NUMBER	MW-1	MW-2	MW-3		
SAMPLE NUMBER	MW-1	MW-2	MW-3		
GENERAL WELL DATA					
Top of Casing (TOC) Elevation (ft.NGVD)	99.80	99.80	100.18		
Original Total Depth (ft below TOC)	18.5	11.6	12.2		
TOC Height (ft above/below grade)	-0.26	-0.32	-0.29		
Screened Interval (ft below grade)	1.7 - 18.7	1.7 - 11.7	1.9 - 11.9		
Well Diameter (in)/Material	2" PVC	2" PVC	2" PVC		
Current Well Condition	Good	Good	Good		
WATER LEVEL DATA					
Date (mo/day/yr)	04/04/05	04/04/05	04/04/05		
Time (military)	0940	0942	0945		
Measured Total Depth (ft below TOC)	18.50	11.60	12.20		
Static Water Level (ft below TOC)	0.92	0.83	2.80		
Static Water Elevation (ft.NGVD)	98.88	98.97	97.38		
WELL PURGE DATA					
Purge Date (mo/day/yr)	04/04/05	04/04/05	04/04/05		
Purge Time (military)	0950	1000	1010		
Minimum Purge Volume (Gal)	4.5	5.2	4.5		
Actual Purge Volume (Gal)	10.0	5.0*	8.0		
Equipment Used	PVC Bailer	PVC Bailer	PVC Bailer		
WELL SAMPLING DATA					
Sampling Date (mo/day/yr)	04/04/05	04/04/05	04/04/05		
Sampling Time (military)	1100	1130	1115		
Weather Condition	Clear/Mild	Clear/Mild	Clear/Mild		
Equipment Used	Polyethylene Bailer	Polyethylene Bailer	Polyethylene Bailer		
Groundwater Temperature (°C)	22	22	22		
Specific Conductance (µS/cm)	560	440	985		
Groundwater pH (std units)	6.9	7.5	6.9		
Number of Containers Filled	9	9	9		
Parameters to be Analyzed (p) if preserved (f) if filtered	BTEX/MTBE (p) TPH-GRO (p) TPH-DRO (p) PAH	BTEX/MTBE (p) TPH-GRO (p) TPH-DRO (p) PAH	BTEX/MTBE (p) TPH-GRO (p) TPH-DRO (p) PAH		

I certify that all water level measurement devices, purging equipment, and sampling equipment were properly cleaned prior to use in each well. (Signature) FIELD COPY SIGNED

REMARKS:

*Well purged dry.

Equipment blank (WE-1) and Field blank (WF-1) collected.

Replicate sample (WR-1), same data as MW-1.

Trip Blank provided by laboratory.

Conestoga-Rovers & Associates

APPENDIX A

SENSITIVE RECEPTOR SURVEY

Sensitive Receptor Survey (SRS)

1. Site Location and Identifying Number:

Global Remediation Site Name / Facility Number **5-0608**

Street **4555 Essen Lane**

City **Baton Rouge**

State **Louisiana**

2. Regional Data

a. Is Groundwater in Region Used for Drinking Water? *Select Yes or No*

Yes ☒ No ☐

b. Is Groundwater in Region Used for Irrigation?

Yes ☒ No ☐

c. If Yes to "a" or "b", Estimated Depth to "Used" Regional Aquifer

<20ft (<6m) ☐ 20-100ft (6-30m) ☐ 100-300ft (30 - 90m) ☐ >300ft (>90m) ☒ Unknown ☐

d. Estimated Depth to First Groundwater

<20ft (<6m) ☒ 20-100ft (6-30m) ☐ 100-300ft (30 - 90m) ☐ >300ft (>90m) ☐ Unknown ☐

e. Is Surface Water in Region Used for Drinking Water

Yes ☐ No ☒

f. If Yes to "e", Distance to Surface Water Source: Mississippi River

_ m

g. Is Construction in the Region "Slab on Grade" or Are Basements Common?

Slab on Grade ☒ Basements ☐

h. Direction of groundwater flow (if known):

N ☐ N/E ☐ E ☐ S/E ☐ S ☐ S/W ☒ W ☐ N/W ☐

If a and b are no and d is less than 20ft (6m) or unknown, then complete Step 5-9.

If a and b are no and d is greater than 20ft (6m), then complete Step 5, only.

If a or b are yes and d is less than 20ft (6m). or unknown then complete Steps 3-9.

If a or b are yes and d is greater than 20 ft. then complete Steps 3-5.

3. Municipal Water Wells

[Use local records and drive the area to identify well locations]

a. Is A Municipal Water Well Located Within 2000ft (600m) of the Site

Yes ☐ No ☒

b. If Yes, Number Of Wells Within 2000ft (600m). _____

Complete the following for each Municipal Well within 2000ft (600m) of the site:

c. Well Identification: _____

d ☐ Active ☐ Inactive

e. Distance from Site:

<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☐

1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m) ☐

f. Direction from Site:

N ☐	N/E ☐	E ☐	S/E ☐	S ☐	S/W ☐	W ☐	N/W ☐

g. Topographically Downgradient

Yes ☐	No ☐	Unknown ☐

h. Screened Depth of Well:

Depth _____ ft or m (Select Units). _____ Unknown

i. Is Well Screened Below a Confining Layer?

Yes ☐	No ☐	Unknown ☐

j. Current Wellhead Treatment:

Yes ☐	No ☐	Unknown ☐

k. Data Presented in **a - h** Verified

Yes ☐	No ☐

(If no, describe data that needs to be verified)

4. Private Water Wells (other than monitoring / observation wells)

[Use local records and drive the area to identify well locations]

ONSITE

a. Are any Water Wells Located on the Site?

Yes ☐	No ☒

b. Number of Wells Located Onsite:

Answer the following for each onsite well.

c. Well Identification/Location:

d. Describe Use:

Potable ☐	Irrigation ☐	Other ☐

If Other, specify use

OFFSITE

e. Are any Offsite Water Wells Located Within 1000ft (300m)?
Yes ☐ No ☒

f. If Yes, Estimated Number of Water Wells Within 1000ft (300m)?

g. If Water Wells Are Present, Are Any Potable?
Yes ☐ No ☐ Unknown ☐
(If no, describe use:)

Complete the following information for the three (3) closest wells. If the three are not potable, also complete for the closest potable well.

h. Well Identification: -326

i. Well Use:
Potable ☒ Irrigation ☐ Other ☐

j. Distance from Site to Well
<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☐
1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m) ☒

k. Direction from Site to Well:
N ☐ N/E ☐ E ☐ S/E ☐ S ☐ S/W ☐ W ☐ N/W ☒

l. Topographically Down Gradient?
Yes ☐ No ☒ Unknown ☐

m. Screened Depth of Well:
Depth _____ft or m (Select Units) Unknown ☒

n. Is the Well Being Used?
Yes ☐ No ☐ Unknown ☒

h. Well Identification: -815

i. Well Use:
Potable ☐ Irrigation ☐ Other ☒

j. Distance from Site to Well
<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☐
1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m) ☒

k. Direction from Site to Well:
N ☐ N/E ☒ E ☐ S/E ☐ S ☐ S/W ☐ W ☐ N/W ☐

l. Topographically Down Gradient?
Yes ☐ No ☒ Unknown ☐

m. Screened Depth of Well:
Depth _____ft or m (Select Units) Unknown ☒

n. Is the Well Being Used?
Yes ☐ No ☐ Unknown ☒

h. Well Identification: -1169

i. Well Use:
Potable ☐ Irrigation ☐ Other ☒

j. Distance from Site to Well

<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☐
1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m) ☒

k. Direction from Site to Well:
N ☐ N/E ☐ E ☐ S/E ☐ S ☒ S/W ☐ W ☐ N/W ☐

l. Topographically Down Gradient?
Yes ☐ No ☒ Unknown ☐

m. Screened Depth of Well:
Depth _____ft or m (Select Units) Unknown ☒

n. Is the Well Being Used?
Yes ☐ No ☐ Unknown ☒

5. Surface Body Of Water, Wetland, Significant Ecological Resource

a. Is There A Surface Body of Water, Wetland, Or Significant Ecological
Yes ☒ No ☐

b. Resource Located Within 1,000ft (300m) of the Site?
Yes ☒ No ☐

If "yes", then complete the following information for each body of water:

c. Name: Ward Creek

Lake ☐	River ☐	Creek ☒	Pond ☐	Flood Control Ditch ☐	Wetland ☐	Other ☐

If Other, specify use

d. Closest Distance Between Site and Water:

<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☒
1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m): ☐

e. Direction from Site to Water:
N ☐ N/E ☐ E ☐ S/E ☐ S ☐ S/W ☒ W ☐ N/W ☐

6. Utility Vaults

a. Are There Any Utility Vaults Located On or Adjacent to the Site?
Yes ☐ No ☒

If yes, answer b-d for each vault (insert additional lines b-d as necessary for each additional vault).

b. Type of Vault?

Electric ☐: Telephone ☐ Gas ☐: Water ☐: Unknown ☐

c. Near Which Property Boundary?

N ☐ N/E ☐ E ☐ S/E ☐

d. Depth of Vault?

Depth _____ ft or m (Select Units) or Unknown: ☐

7. Basements

a. Do Any of the Buildings Within 1,000ft (300m) of the Site Have Basements?

Yes ☐ No ☒ Unknown ☐

b. If "Yes," Check Types Of Buildings Which Have Basements

Residence ☐ Office Building ☐ Commercial ☐

Other (Describe):

c. Is It Likely That The Buildings Contain Sumps?

Yes ☐ No ☐

d. Distance to Nearest Basement:

<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☐

1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m) ☐

e. Direction from Site:

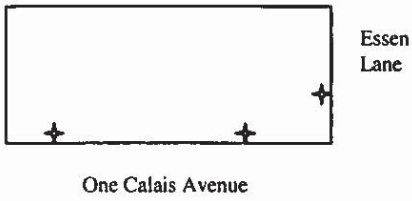
N ☐ N/E ☐ E ☐ S/E ☐ S ☐ S/W ☐ W ☐ N/W ☐

8 Storm and Sanitary Sewer

a. Are There Any Storm Sewer Drains Located On or Adjacent to the Site?

Yes ☒ No ☐

b. Describe Location(s): along both Essen Lane and One Calais Avenue



c. Are There Any Sanitary Sewer Lines On or Adjacent to the Site?

Yes ☒ No ☐

d. Describe Location(s): along both Essen Lane and One Calais Avenue – see above figure.

9. Subway/Tunnel

a. Is There a Subsurface Mass Transit System or Tunnel Located Within 1,000ft (300m) of the Site?

Yes ☐ No ☒

If "yes," then complete the following information.

b. Describe:

c. Minimum Distance between Site and Subway/Tunnel:

<100ft (30m) ☐: 100 to 500ft (30 to 150m) ☐: 500 to 1,000ft (150 to 300m) ☐
1,000 to 2,000ft (300 to 600m) ☐: >2,000ft (600m) ☐

d. Direction from Site to Subway/Tunnel:

N ☐ N/E ☐ E ☐ S/E ☐ S ☐ S/W ☐ W ☐ N/W ☐

e. Topographically Downgradient?

Yes ☐ No ☐

APPENDIX B

SOIL AND GROUNDWATER ANALYTICAL LABORATORY REPORTS

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46058
Sample ID: WF-1
Sample Type: Water
Site ID: 5-0608

Date Collected: 3/30/05
Time Collected: 12:44
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 2/05	11:05	S. Edwards	8260B	9285
**Toluene	ND	mg/l	0.0010	1.0	4/ 2/05	11:05	S. Edwards	8260B	9285
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 2/05	11:05	S. Edwards	8260B	9285
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 2/05	11:05	S. Edwards	8260B	9285
**Methyl-t-butyl ether	ND	mg/l	0.0010	1.0	4/ 2/05	11:05	S. Edwards	8260B	9285

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	87.	73. - 127.
VOA Surr Toluene-d8	82.	79. - 113.
VOA Surr, 4-BFB	101.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Lab Number: 05-A46059
Sample ID: WE-1
Sample Type: Water
Site ID: 5-0608

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Date Collected: 3/30/05
Time Collected: 12:40
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Purchase Order: !2005 PO

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/l	0.100	1.0	4/ 8/05	11:00	J. Redmond	8015B	3284
**TPH (Diesel Range)	ND	mg/l	0.100	1.0	4/ 4/05	19:44	B. Yanna	8015B/3510	896
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 2/05	11:30	S. Edwards	8260B	9285
**Toluene	ND	mg/l	0.0010	1.0	4/ 2/05	11:30	S. Edwards	8260B	9285
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 2/05	11:30	S. Edwards	8260B	9285
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 2/05	11:30	S. Edwards	8260B	9285
**Methyl-t-butyl ether	ND	mg/l	0.0010	1.0	4/ 2/05	11:30	S. Edwards	8260B	9285

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	4/ 2/05		J. Davis	3510
PAH's	1000 ml	1.00 ml	4/ 2/05		J. Davis	3510/610

Surrogate	% Recovery	Target Range

Sample report continued . . .

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
800-765-0980 • 615-726-3404 Fax

ANALYTICAL REPORT

Laboratory Number: 05-A46059
Sample ID: WE-1
Project: 25881-02

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	101.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	89.	63. - 134.
VOA Surr 1,2-DCA-d4	88.	73. - 127.
VOA Surr Toluene-d8	82.	79. - 113.
VOA Surr, 4-BFB	103.	79. - 125.
VOA Surr, DBFM	94.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46060
Sample ID: WT-1
Sample Type: Water
Site ID: 5-0608

Date Collected:
Time Collected:
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 2/05	8:12	S. Edwards	8260B	9285
**Toluene	ND	mg/l	0.0010	1.0	4/ 2/05	8:12	S. Edwards	8260B	9285
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 2/05	8:12	S. Edwards	8260B	9285
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 2/05	8:12	S. Edwards	8260B	9285
**Methyl-t-butyl ether	ND	mg/l	0.0010	1.0	4/ 2/05	8:12	S. Edwards	8260B	9285

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	86.	73. - 127.
VOA Surr Toluene-d8	82.	79. - 113.
VOA Surr, 4-BFB	101.	79. - 125.
VOA Surr, DBFM	93.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
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End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46061
Sample ID: WT-2
Sample Type: Soil
Site ID: 5-0608

Date Collected:
Time Collected:
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.100	50.0	4/ 7/05	17:32	J. Adams	8260B	4358
**Ethylbenzene	ND	mg/kg	0.100	50.0	4/ 7/05	17:32	J. Adams	8260B	4358
**Toluene	ND	mg/kg	0.100	50.0	4/ 7/05	17:32	J. Adams	8260B	4358
**Xylenes (Total)	ND	mg/kg	0.100	50.0	4/ 7/05	17:32	J. Adams	8260B	4358
**Methyl-t-butyl ether	ND	mg/kg	0.100	50.0	4/ 7/05	17:32	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
Volatile Organics	5.00 g	5.0 ml	4/ 8/05		N. Noman	5035

Surrogate	% Recovery	Target Range
VOA Surr, 1,2-DCAd4	84.	72. - 134.
VOA Surr Toluene-d8	93.	76. - 122.
VOA Surr, 4-BFB	85.	60. - 138.
VOA Surr, DBFM	87.	75. - 137.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46061
Sample ID: WT-2
Project: 25881-02

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46062
Sample ID: MW-1(0'-2')
Sample Type: Soil
Site ID: 5-0608

Date Collected: 3/30/05
Time Collected: 9:57
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	78.1	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	9.92	50.0	4/ 5/05	17:19	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	9.84	1.0	4/ 4/05	22:27	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.0019	1.0	4/ 7/05	15:14	J. Adams	8260B	4358
**Ethylbenzene	ND	mg/kg	0.0019	1.0	4/ 7/05	15:14	J. Adams	8260B	4358
**Toluene	0.0025	mg/kg	0.0019	1.0	4/ 7/05	15:14	J. Adams	8260B	4358
**Xylenes (Total)	ND	mg/kg	0.0019	1.0	4/ 7/05	15:14	J. Adams	8260B	4358
**Methyl-t-butyl ether	0.0153	mg/kg	0.0019	1.0	4/ 7/05	15:14	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.4 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	5.19 g	5.0 ml	3/30/05	9:57	N. Noman	5035
BTX Prep	5.04 g	10.0 ml	3/30/05	9:57	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46062
Sample ID: MW-1(0'-2')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	90.	63. - 127.
TPH Hi Surr., o-Terphenyl	78.	35. - 135.
VOA Surr, 1,2-DCAd4	87.	72. - 134.
VOA Surr Toluene-d8	86.	76. - 122.
VOA Surr, 4-BFB	91.	60. - 138.
VOA Surr, DBFM	92.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
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** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46063
Sample ID: MW-1(18'-20')
Sample Type: Soil
Site ID: 5-0608

Date Collected: 3/30/05
Time Collected: 15:20
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	78.4	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	10.5	50.0	4/ 5/05	17:52	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	10.2	1.0	4/ 4/05	22:47	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	0.0068	mg/kg	0.0021	1.0	4/ 7/05	15:33	J. Adams	8260B	4358
**Ethylbenzene	0.0416	mg/kg	0.0021	1.0	4/ 7/05	15:33	J. Adams	8260B	4358
**Toluene	0.0070	mg/kg	0.0021	1.0	4/ 7/05	15:33	J. Adams	8260B	4358
**Xylenes (Total)	0.245	mg/kg	0.0021	1.0	4/ 7/05	15:33	J. Adams	8260B	4358
**Methyl-t-butyl ether	0.149	mg/kg	0.0021	1.0	4/ 7/05	15:33	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.5 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	4.87 g	5.0 ml	3/30/05	15:20	N. Noman	5035
BTX Prep	4.77 g	10.0 ml	3/30/05	15:20	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46063
Sample ID: MW-1(18'-20')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	89.	63. - 127.
TPH Hi Surr., o-Terphenyl	89.	35. - 135.
VOA Surr, 1,2-DCAd4	84.	72. - 134.
VOA Surr Toluene-d8	76.	76. - 122.
VOA Surr, 4-BFB	91.	60. - 138.
VOA Surr, DBFM	92.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
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J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
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All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46064
Sample ID: MW-2(0'-2')
Sample Type: Soil
Site ID: 5-0608

Date Collected: 3/30/05
Time Collected: 10:17
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	76.2	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	10.8	50.0	4/ 5/05	18:25	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	9.88	1.0	4/ 4/05	23:08	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.0021	1.0	4/ 8/05	20:58	J. Bundy	8260B	5772
**Ethylbenzene	ND	mg/kg	0.0021	1.0	4/ 8/05	20:58	J. Bundy	8260B	5772
**Toluene	0.0037	mg/kg	0.0021	1.0	4/ 8/05	20:58	J. Bundy	8260B	5772
**Xylenes (Total)	ND	mg/kg	0.0021	1.0	4/ 8/05	20:58	J. Bundy	8260B	5772
**Methyl-t-butyl ether	ND	mg/kg	0.0021	1.0	4/ 8/05	20:58	J. Bundy	8260B	5772

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.3 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	4.70 g	5.0 ml	3/30/05	10:17	N. Noman	5035
BTX Prep	4.62 g	10.0 ml	3/30/05	10:17	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46064
Sample ID: MW-2(0'-2')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	87.	63. - 127.
TPH Hi Surr., o-Terphenyl	98.	35. - 135.
VOA Surr, 1,2-DCAd4	88.	72. - 125.
VOA Surr Toluene-d8	95.	80. - 124.
VOA Surr, 4-BFB	93.	25. - 185.
VOA Surr, DBFM	92.	73. - 124.

LABORATORY COMMENTS:
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J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
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All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46065
Sample ID: MW-2(10'-12')
Sample Type: Soil
Site ID: 5-0608

Date Collected: 3/31/05
Time Collected: 8:50
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.1	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	9.90	50.0	4/ 5/05	18:58	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	4/ 4/05	23:28	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.0020	1.0	4/ 7/05	16:13	J. Adams	8260B	4358
**Ethylbenzene	ND	mg/kg	0.0020	1.0	4/ 7/05	16:13	J. Adams	8260B	4358
**Toluene	ND	mg/kg	0.0020	1.0	4/ 7/05	16:13	J. Adams	8260B	4358
**Xylenes (Total)	ND	mg/kg	0.0020	1.0	4/ 7/05	16:13	J. Adams	8260B	4358
**Methyl-t-butyl ether	0.0038	mg/kg	0.0020	1.0	4/ 7/05	16:13	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.9 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	4.98 g	5.0 ml	3/30/05	8:50	N. Noman	5035
BTX Prep	5.05 g	10.0 ml	3/31/05	8:50	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46065
Sample ID: MW-2(10'-12')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	87.	63. - 127.
TPH Hi Surr., o-Terphenyl	97.	35. - 135.
VOA Surr, 1,2-DCAd4	82.	72. - 134.
VOA Surr Toluene-d8	85.	76. - 122.
VOA Surr, 4-BFB	88.	60. - 138.
VOA Surr, DBFM	91.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
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All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46066
Sample ID: MW-3(0'-2')
Sample Type: Soil
Site ID: 5-0608

Date Collected: 3/30/05
Time Collected: 13:00
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	80.1	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	10.3	50.0	4/ 5/05	19:30	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	10.0	1.0	4/ 4/05	23:48	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.0020	1.0	4/ 7/05	16:33	J. Adams	8260B	4358
**Ethylbenzene	ND	mg/kg	0.0020	1.0	4/ 7/05	16:33	J. Adams	8260B	4358
**Toluene	0.0033	mg/kg	0.0020	1.0	4/ 7/05	16:33	J. Adams	8260B	4358
**Xylenes (Total)	ND	mg/kg	0.0020	1.0	4/ 7/05	16:33	J. Adams	8260B	4358
**Methyl-t-butyl ether	ND	mg/kg	0.0020	1.0	4/ 7/05	16:33	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	25.0 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	5.00 g	5.0 ml	3/30/05	13:00	N. Noman	5035
BTX Prep	4.84 g	10.0 ml	3/30/05	13:00	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46066
Sample ID: MW-3(0'-2')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	85.	63. - 127.
TPH Hi Surr., o-Terphenyl	84.	35. - 135.
VOA Surr, 1,2-DCAd4	82.	72. - 134.
VOA Surr Toluene-d8	96.	76. - 122.
VOA Surr, 4-BFB	94.	60. - 138.
VOA Surr, DBFM	92.	75. - 137.

LABORATORY COMMENTS:
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B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Lab Number: 05-A46067
Sample ID: MW-3(4'-6')
Sample Type: Soil
Site ID: 5-0608

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Date Collected: 3/30/05
Time Collected: 13:25
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Purchase Order: !2005 PO

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	77.8	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	9.96	50.0	4/ 5/05	20:03	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	4/ 5/05	0:08	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.0021	1.0	4/ 7/05	16:52	J. Adams	8260B	4358
**Ethylbenzene	ND	mg/kg	0.0021	1.0	4/ 7/05	16:52	J. Adams	8260B	4358
**Toluene	0.0029	mg/kg	0.0021	1.0	4/ 7/05	16:52	J. Adams	8260B	4358
**Xylenes (Total)	ND	mg/kg	0.0021	1.0	4/ 7/05	16:52	J. Adams	8260B	4358
**Methyl-t-butyl ether	ND	mg/kg	0.0021	1.0	4/ 7/05	16:52	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.8 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	4.87 g	5.0 ml	3/30/05	13:25	N. Noman	5035
BTX Prep	5.02 g	10.0 ml	3/30/05	13:25	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46067
Sample ID: MW-3(4'-6')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	86.	63. - 127.
TPH Hi Surr., o-Terphenyl	88.	35. - 135.
VOA Surr, 1,2-DCAd4	82.	72. - 134.
VOA Surr Toluene-d8	94.	76. - 122.
VOA Surr, 4-BFB	91.	60. - 138.
VOA Surr, DBFM	88.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

End of Sample Report.

TestAmerica
ANALYTICAL TESTING CORPORATION

2960 Foster Creighton Drive • Nashville, Tennessee 37204
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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-02
Project Name: EXXONMOBIL 5-0608
Sampler: CLIFF D.C./SETH H.

Purchase Order: !2005 PO

Lab Number: 05-A46068
Sample ID: MW-3(10'-12')
Sample Type: Soil
Site ID: 5-0608

Date Collected: 3/31/05
Time Collected: 9:30
Date Received: 4/ 1/05
Time Received: 8:20
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
GENERAL CHEMISTRY PARAMETERS									
% Dry Weight	80.1	%		1.0	4/ 5/05		J. Davis	CLP	8233
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/kg	9.33	50.0	4/ 5/05	20:36	J. Redmond	8015B	3313
**TPH (Diesel Range)	ND	mg/kg	10.1	1.0	4/ 5/05	0:28	B. Yanna	8015B	53
VOLATILE ORGANICS									
**Benzene	ND	mg/kg	0.0018	1.0	4/ 7/05	17:12	J. Adams	8260B	4358
**Ethylbenzene	ND	mg/kg	0.0018	1.0	4/ 7/05	17:12	J. Adams	8260B	4358
**Toluene	0.0019	mg/kg	0.0018	1.0	4/ 7/05	17:12	J. Adams	8260B	4358
**Xylenes (Total)	ND	mg/kg	0.0018	1.0	4/ 7/05	17:12	J. Adams	8260B	4358
**Methyl-t-butyl ether	ND	mg/kg	0.0018	1.0	4/ 7/05	17:12	J. Adams	8260B	4358

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH/DRO	24.7 gm	1.0 ml	4/ 2/05		J. Davis	3550
Volatile Organics	5.49 g	5.0 ml	3/31/05	9:30	N. Noman	5035
BTX Prep	5.36 g	10.0 ml	3/31/05	9:30	J. Redmond	5035

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A46068
Sample ID: MW-3(10'-12')
Project: 25881-02

Surrogate	% Recovery	Target Range
UST surr-Trifluorotoluene	86.	63. - 127.
TPH Hi Surr., o-Terphenyl	78.	35. - 135.
VOA Surr, 1,2-DCAd4	83.	72. - 134.
VOA Surr Toluene-d8	81.	76. - 122.
VOA Surr, 4-BFB	93.	60. - 138.
VOA Surr, DBFM	91.	75. - 137.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte
All results reported on a wet weight basis.

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-02
Project Name: EXXONMOBIL 5-0608
Page: 1
Laboratory Receipt Date: 4/ 1/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/kg	< 0.10	1.07	1.00	107	52. - 150.	3313	blank
TPH (Diesel Range)	mg/kg	16.5	58.6	40.0	105	28. - 143.	53	05-A46152
TPH (Diesel Range)	mg/l	< 0.100	1.04	1.00	104	35. - 124.	896	blank
VOA PARAMETERS								
Benzene	mg/l	0.0019	0.0541	0.0500	104	62 - 146	9285	45701
Benzene	mg/kg	0.0012	0.0508	0.0500	99	53 - 136	4358	45599
Benzene	mg/kg	0.0047	0.0491	0.0500	89	53 - 136	5772	46903
Toluene	mg/l	0.0077	0.0499	0.0500	84	68 - 141	9285	45701
Toluene	mg/kg	< 0.0020	0.0476	0.0500	95	43 - 139	4358	45599
Toluene	mg/kg	0.0028	0.0565	0.0500	107	43 - 139	5772	46903
VOA Surr, 1,2-DCAd4	% Rec				84	72 - 134	4358	
VOA Surr, 1,2-DCAd4	% Rec				72	72 - 134	5772	
VOA Surr Toluene-d8	% Rec				94	76 - 122	4358	
VOA Surr Toluene-d8	% Rec				107	76 - 122	5772	
VOA Surr, 4-BFB	% Rec				95	60 - 138	4358	
VOA Surr, 4-BFB	% Rec				105	60 - 138	5772	
VOA Surr, DBFM	% Rec				89	75 - 137	4358	
VOA Surr, DBFM	% Rec				70	75 - 137	5772	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-02
Project Name: EXXONMOBIL 5-0608

Laboratory Receipt Date: 4/ 1/05

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	1.07	1.10	2.76	39.	3313
TPH (Diesel Range)	mg/kg	58.6	48.8	18.25	51.	53
TPH (Diesel Range)	mg/l	1.04	1.07	2.84	36.	896
VOA PARAMETERS						
Benzene	mg/l	0.0541	0.0561	3.63	25.	9285
Benzene	mg/kg	0.0508	0.0510	0.39	34.	4358
Benzene	mg/kg	0.0491	0.0485	1.23	34.	5772
Toluene	mg/l	0.0499	0.0517	3.54	29.	9285
Toluene	mg/kg	0.0476	0.0466	2.12	39.	4358
Toluene	mg/kg	0.0565	0.0468	18.78	39.	5772
VOA Surr 1,2-DCA-d4	% Rec		84.			9285
VOA Surr, 1,2-DCAd4	% Rec		85.			4358
VOA Surr, 1,2-DCAd4	% Rec		84.			5772
VOA Surr Toluene-d8	% Rec		82.			9285
VOA Surr Toluene-d8	% Rec		94.			4358
VOA Surr Toluene-d8	% Rec		99.			5772
VOA Surr, 4-BFB	% Rec		97.			9285
VOA Surr, 4-BFB	% Rec		90.			4358
VOA Surr, 4-BFB	% Rec		94.			5772
VOA Surr, DBFM	% Rec		94.			9285
VOA Surr, DBFM	% Rec		90.			4358
VOA Surr, DBFM	% Rec		90.			5772

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-02
Project Name: EXXONMOBIL 5-0608
Page: 3
Laboratory Receipt Date: 4/ 1/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/kg	1.00	1.07	107	74 - 127	3313
TPH (Diesel Range)	mg/kg	40.0	37.0	92	54 - 126	53
TPH (Gasoline Range)	mg/l	1.00	1.06	106	64 - 130	3284
BTEX/GRO Surr., a,a,a-TFT	% Recovery			82	69 - 132	3284
UST PARAMETERS						
TPH (Diesel Range)	mg/l	1.00	0.890	89	41 - 120	896
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0523	105	76 - 127	9285
Benzene	mg/kg	0.0500	0.0485	97	76 - 124	4358
Benzene	mg/kg	0.0500	0.0516	103	76 - 124	5772
Ethylbenzene	mg/l	0.0500	0.0464	93	80 - 124	9285
Ethylbenzene	mg/kg	0.0500	0.0512	102	70 - 128	4358
Ethylbenzene	mg/kg	0.0500	0.0527	105	70 - 128	5772
Toluene	mg/l	0.0500	0.0428	86	79 - 124	9285
Toluene	mg/kg	0.0500	0.0506	101	72 - 125	4358
Toluene	mg/kg	0.0500	0.0515	103	72 - 125	5772
Xylenes (Total)	mg/l	0.150	0.139	93	80 - 125	9285
Xylenes (Total)	mg/kg	0.150	0.157	105	71 - 129	4358
Xylenes (Total)	mg/kg	0.150	0.158	105	71 - 129	5772
Methyl-t-butyl ether	mg/l	0.0500	0.0514	103	66 - 136	9285
Methyl-t-butyl ether	mg/kg	0.0500	0.0405	81	67 - 138	4358
Methyl-t-butyl ether	mg/kg	0.0500	0.0473	95	67 - 138	5772
VOA Surr 1,2-DCA-d4	% Rec			83	73 - 127	9285
VOA Surr, 1,2-DCAd4	% Rec			81	72 - 134	4358
VOA Surr, 1,2-DCAd4	% Rec			84	72 - 134	5772
VOA Surr Toluene-d8	% Rec			82	79 - 113	9285
VOA Surr Toluene-d8	% Rec			95	76 - 122	4358
VOA Surr Toluene-d8	% Rec			94	76 - 122	5772
VOA Surr, 4-BFB	% Rec			95	79 - 125	9285
VOA Surr, 4-BFB	% Rec			90	60 - 138	4358

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-02
Project Name: EXXONMOBIL 5-0608

Laboratory Receipt Date: 4/ 1/05

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA Surr, 4-BFB	% Rec			87	60 - 138	5772
VOA Surr, DBFM	% Rec			95	75 - 134	9285
VOA Surr, DBFM	% Rec			85	75 - 137	4358
VOA Surr, DBFM	% Rec			90	75 - 137	5772

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
UST PARAMETERS					
TPH (Gasoline Range)	< 0.10	mg/kg	3313	4/ 5/05	14:03
TPH (Diesel Range)	< 0.10	mg/kg	53	4/ 4/05	21:06
TPH (Gasoline Range)	< 0.0550	mg/l	3284	4/ 8/05	10:27
TPH (Diesel Range)	< 0.100	mg/l	896	4/ 4/05	16:17
UST surr-Trifluorotoluene	86.	% Recovery	3313	4/ 5/05	14:03
BTEX/GRO Surr., a,a,a-TFT	89.	% Recovery	3284	4/ 8/05	10:27

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-02
Project Name: EXXONMOBIL 5-0608
Page: 5
Laboratory Receipt Date: 4/ 1/05

VOA PARAMETERS					
Benzene	< 0.0003	mg/l	9285	4/ 2/05	5:09
Benzene	< 0.0008	mg/kg	4358	4/ 7/05	10:48
Benzene	< 0.0008	mg/kg	5772	4/ 8/05	20:00
Ethylbenzene	< 0.0002	mg/l	9285	4/ 2/05	5:09
Ethylbenzene	< 0.0005	mg/kg	4358	4/ 7/05	10:48
Ethylbenzene	< 0.0005	mg/kg	5772	4/ 8/05	20:00
Toluene	< 0.0002	mg/l	9285	4/ 2/05	5:09
Toluene	< 0.0005	mg/kg	4358	4/ 7/05	10:48
Toluene	0.0009	mg/kg	5772	4/ 8/05	20:00
Xylenes (Total)	< 0.0006	mg/l	9285	4/ 2/05	5:09
Xylenes (Total)	< 0.0013	mg/kg	4358	4/ 7/05	10:48
Xylenes (Total)	0.0015	mg/kg	5772	4/ 8/05	20:00
Methyl-t-butyl ether	< 0.0002	mg/l	9285	4/ 2/05	5:09
Methyl-t-butyl ether	< 0.0009	mg/kg	4358	4/ 7/05	10:48
Methyl-t-butyl ether	< 0.0009	mg/kg	5772	4/ 8/05	20:00
VOA Surr 1,2-DCA-d4	84.	% Rec	9285	4/ 2/05	5:09
VOA Surr, 1,2-DCAd4	87.	% Rec	4358	4/ 7/05	10:48
VOA Surr, 1,2-DCAd4	87.	% Rec	5772	4/ 8/05	20:00
VOA Surr Toluene-d8	81.	% Rec	9285	4/ 2/05	5:09
VOA Surr Toluene-d8	93.	% Rec	4358	4/ 7/05	10:48
VOA Surr Toluene-d8	93.	% Rec	5772	4/ 8/05	20:00
VOA Surr, 4-BFB	100.	% Rec	9285	4/ 2/05	5:09
VOA Surr, 4-BFB	90.	% Rec	4358	4/ 7/05	10:48
VOA Surr, 4-BFB	88.	% Rec	5772	4/ 8/05	20:00
VOA Surr, DBFM	94.	% Rec	9285	4/ 2/05	5:09
VOA Surr, DBFM	90.	% Rec	4358	4/ 7/05	10:48
VOA Surr, DBFM	96.	% Rec	5772	4/ 8/05	20:00

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 411352

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SUMMARY REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Site ID: 5-0608
Project: 25881-02
RAS #: 5-0608
Date Sampled:

Analyte	WF-1 05-A46058	WE-1 05-A46059	WT-1 05-A46060	
TPH (Gasoline Range)	---	< 0.100	---	mg/l
TPH (Diesel Range)	---	< 0.100	---	mg/l
Benzene	< 0.0010	< 0.0010	< 0.0010	mg/l
Ethylbenzene	< 0.0010	< 0.0010	< 0.0010	mg/l
Toluene	< 0.0010	< 0.0010	0.0007	mg/l
Xylenes (Total)	< 0.0010	< 0.0010	< 0.0010	mg/l
Methyl-t-butyl ether	< 0.0010	< 0.0010	< 0.0010	mg/l

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SUMMARY REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Site ID: 5-0608
Project: 25881-02
RAS #: 5-0608
Date Sampled: 3/30/05

Analyte	WT-2 05-A46061	MW-1(0'-2') 05-A46062	MW-1(18'-20') 05-A46063	MW-2(0'-2') 05-A46064	MW-2(10'-12') 05-A46065	MW-3(0'-2') 05-A46066	
TPH (Gasoline Range)	---	< 9.92	< 10.5	< 10.8	< 9.90	< 10.3	mg/k
TPH (Diesel Range)	---	3.23	3.31	2.53	3.73	2.48	mg/k
% Dry Weight	---	78.1	78.4	76.2	77.1	80.1	mg/k
Benzene	< 0.100	< 0.0019	0.0068	< 0.0021	< 0.0020	< 0.0020	mg/k
Ethylbenzene	< 0.100	< 0.0019	0.0416	< 0.0021	< 0.0020	< 0.0020	mg/k
Toluene	< 0.100	0.0025	0.0070	0.0037	0.0015	0.0033	mg/k
Xylenes (Total)	< 0.100	< 0.0019	0.245	< 0.0021	< 0.0020	< 0.0020	mg/k
Methyl-t-butyl ether	< 0.100	0.0153	0.149	0.0014	0.0038	< 0.0020	mg/k

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SUMMARY REPORT

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Site ID: 5-0608
Project: 25881-02
RAS #: 5-0608
Date Sampled: 3/31/05

Analyte	MW-3(4'-6') 05-A46067	MW-3(10'-12') 05-A46068	
TPH (Gasoline Range)	< 9.96	< 9.33	mg/kg
TPH (Diesel Range)	3.95	2.83	mg/kg
% Dry Weight	77.8	80.1	mg/kg
Benzene	< 0.0021	< 0.0018	mg/kg
Ethylbenzene	< 0.0021	< 0.0018	mg/kg
Toluene	0.0029	0.0019	mg/kg
Xylenes (Total)	< 0.0021	< 0.0018	mg/kg
Methyl-t-butyl ether	< 0.0021	< 0.0018	mg/kg
DRO DATA REVIEW	Completed	Completed	mg/kg
GRO DATA REVIEW	Completed	Completed	mg/kg
VOA DATA REVIEW	---	Completed	mg/kg

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Nashville Division

COOLER RECEIPT FORM BC

Client Name : CRA

Cooler Received/Opened On: 4/1/05 **Accessioned By:** Shane Gambill

Log-in Personnel Signature

1. Temperature of Cooler when triaged: 1.2 **Degrees Celsius**
2. Were custody seals on outside of cooler?..... (YES)...NO....NA
   a. If yes, how many, and where: 1 Front
3. Were custody seals on containers?..... NO...YES...(NA)
4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA
5. Were custody papers inside cooler?..... (YES)...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA
7. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA
8. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Other None
9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA
12. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA
13. Were correct containers used for the analysis requested?..... (YES)...NO...NA
14. a. Were VOA vials received?..... (YES)...NO...NA
    b. Was there any observable head space present in any VOA vial?..... NO...YES...(NA)
15. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA
16. Were correct preservatives used?..... (YES)...NO...NA
    If not, record standard ID of preservative used here_____
17. Was residual chlorine present?..... NO...YES...(NA)
18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:
2955

TestAmerica INCORPORATED

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

CHAIN OF CUSTODY RECORD
Toll Free: 800-765-0980
Fax: 615-726-3404

ExxonMobil

411352

Consultant Name: CRA
Consultant Project Number: 25881-02
Address: 4915 S. Sherwood Forest Blvd.
Report To: Seth Domangue, CRA
City/State/Zip: Baton Rouge, LA
Invoice To: Dale Gomm, ExxonMobil
Phone Number: (225) 292-9007 / fax (225) 292-3614
Account #: 6976
ExxonMobil Project Mgr: Dale Gomm
EWR #:
Facility ID # Former Exxon 5-0608
Sampler Name: (Print) Cliff D. Corder/Seth Henderson
Site Address 4555 Essen Lane
Sampler Signature:
City, State Zip Baton Rouge, Louisiana

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX/MTBE 8260B	LEAD 6010B	TPH-GRO 8015B	RCRA Metals 6000/7000	TPH-ORO 8015B	TPH-DRO 8015B	See below note						RUSH TAT (Pre-Schedule)	TAT request (4 Bus. Days)	STD TAT	Fax Results
MW-1 (0'-2')	03/30/05	0957	9	x			x							x					x		x		x			x	*			46062				x	x
MW-1 (18'-20')	03/30/05	1520	9	x			x							x					x		x		x			x	*			63				x	x
MW-2 (0'-2')	03/30/05	1017	9	x			x							x					x		x		x			x	*			64				x	x
MW-2 (10'-12')	03/31/05	0850	9	x			x							x					x		x		x			x	*			65				x	x
MW-3 (0'-2')	03/30/05	1300	9	x			x							x					x		x		x			x	*			66				x	x
MW-3 (4'-6')	03/30/05	1325	9	x			x							x					x		x		x			x	*			67				x	x
MW-3 (10'-12')	03/31/05	0930	9	x			x							x					x		x		x			x	*			✓ 68				x	x
WF-1	03/30/05	1244	3	x			x		x								x				x									46058				x	x
WE-1	03/30/05	1240	7	x			x		x					x			x				x		x			x				✓ 59				x	x
WT-1	—	—	1				✓		✓												X									✓ 60					
WT-2	—	—	1																											46061					

Special Instructions: * Analyze for PAHs if TPH-DRO result is >65 mg/kg (LA RECAP list)

FedEx No.

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
Seth Henderson	3/31/05	1600	FedEx		
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				4/1/05	8:20

TestAmerica
ANALYTICAL TESTING CORPORATION

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4/11/05

CONESTOGA ROVERS & ASSOC. 6976
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 5-0608
Project Number: 25881-02.
Laboratory Project Number: 411352.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. Any QC recoveries outside laboratory control limits are flagged individually with an #. Sample specific comments and quality control statements are included in the Laboratory notes section of the analytical report for each sample report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

Sample Identification	Lab Number	Collection Date
WF-1	05-A46058	3/30/05
WE-1	05-A46059	3/30/05
WT-1	05-A46060	
WT-2	05-A46061	
MW-1(0'-2')	05-A46062	3/30/05
MW-1(18'-20')	05-A46063	3/30/05
MW-2(0'-2')	05-A46064	3/30/05
MW-2(10'-12')	05-A46065	3/31/05
MW-3(0'-2')	05-A46066	3/30/05
MW-3(4'-6')	05-A46067	3/30/05
MW-3(10'-12')	05-A46068	3/31/05

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Sample Identification	Lab Number	Collection Date

These results relate only to the items tested.
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Report Approved By: Pamela A. Langford Report Date: 4/11/05

Johnny A. Mitchell, Laboratory Director
Michael H. Dunn, M.S., Technical Director
Pamela A. Langford, Senior Project Manager
Eric S. Smith, QA/QC Director
Sandra McMillin, Technical Services
Gail A. Lage, Senior Project Manager
Glenn L. Norton, Technical Services
Kelly S. Comstock, Technical Services
Roxanne L. Connor, Senior Project Manag

Laboratory Certification Number: 01945

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Purchase Order: !

Lab Number: 05-A47531
Sample ID: MW-1
Sample Type: Water
Site ID: 5-0608

Date Collected: 4/ 4/05
Time Collected: 11:00
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	19.3	mg/l	2.00	20.0	4/ 8/05	22:37	F.Gundi	8015B	5280
**TPH (Diesel Range)	6.44	mg/l	0.500	5.0	4/ 7/05	10:21	M.Jarrett	8015B/3510	2551
**Naphthalene	0.400	mg/l	0.0100	10.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Acenaphthene	ND	mg/l	0.00100	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Anthracene	0.00739	mg/l	0.00050	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Fluoranthene	0.00053	mg/l	0.00020	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Fluorene	ND	mg/l	0.00050	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Pyrene	0.00236	mg/l	0.00020	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Benzo(a)anthracene	ND	mg/l	0.00010	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Benzo(a)pyrene	ND	mg/l	0.00010	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Benzo(b)fluoranthene	ND	mg/l	0.00010	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Benzo(k)fluoranthene	ND	mg/l	0.00014	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Chrysene	ND	mg/l	0.00010	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Dibenzo(a,h)anthracene	ND	mg/l	0.00020	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Indeno(1,2,3-cd)pyrene	ND	mg/l	0.00020	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Acenaphthylene	ND	mg/l	0.00100	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**Phenanthrene	ND	mg/l	0.00050	1.0	4/ 7/05	18:15	K.Phelps	8310	8313
**2-Methylnaphthalene	0.398	mg/l	0.0100	10.0	4/ 7/05	18:15	K.Phelps	8310	8313
VOLATILE ORGANICS									
**Benzene	0.159	mg/l	0.0010	1.0	4/ 5/05	17:00	B.Herford	8260B	1509
**Toluene	0.0875	mg/l	0.0010	1.0	4/ 5/05	17:00	B.Herford	8260B	1509
**Ethylbenzene	0.586	mg/l	0.0100	10.0	4/ 6/05	19:04	B.Herford	8260B	4500
**Xylenes (Total)	1.95	mg/l	0.0100	10.0	4/ 6/05	19:04	B.Herford	8260B	4500
**Methyl-t-butyl ether	0.199	mg/l	0.0010	1.0	4/ 5/05	17:00	B.Herford	8260B	1509

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A47531
Sample ID: MW-1
Project: 25881-01

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	4/ 6/05		J. Davis	3510
PAH's	1000 ml	1.00 ml	4/ 6/05		J. Davis	3510/610

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	95.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	95.	63. - 134.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	105.	79. - 125.
VOA Surr, DBFM	99.	75. - 134.
PAH Surrogate	96.	49. - 103.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Purchase Order: !

Lab Number: 05-A47532
Sample ID: MW-2
Sample Type: Water
Site ID: 5-0608

Date Collected: 4/ 4/05
Time Collected: 11:30
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	0.797	mg/l	0.100	1.0	4/ 8/05	23:02	F.Gundi	8015B	5280
**TPH (Diesel Range)	0.634	mg/l	0.111	1.0	4/ 7/05	7:09	M.Jarrett	8015B/3510	2551
**Naphthalene	ND	mg/l	0.00200	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Acenaphthene	ND	mg/l	0.00200	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Anthracene	ND	mg/l	0.00100	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Fluoranthene	ND	mg/l	0.00040	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Fluorene	ND	mg/l	0.00100	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Pyrene	ND	mg/l	0.00040	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Benzo(a)anthracene	ND	mg/l	0.00020	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Benzo(a)pyrene	ND	mg/l	0.00020	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Benzo(b)fluoranthene	ND	mg/l	0.00020	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Benzo(k)fluoranthene	ND	mg/l	0.00028	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Chrysene	ND	mg/l	0.00020	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Dibenzo(a,h)anthracene	ND	mg/l	0.00040	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Indeno(1,2,3-cd)pyrene	ND	mg/l	0.00040	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Acenaphthylene	ND	mg/l	0.00200	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**Phenanthrene	ND	mg/l	0.00100	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
**2-Methylnaphthalene	ND	mg/l	0.00200	1.0	4/ 7/05	18:43	K.Phelps	8310	8313
VOLATILE ORGANICS									
**Benzene	0.0020	mg/l	0.0010	1.0	4/ 6/05	16:55	B.Herford	8260B	4500
**Toluene	ND	mg/l	0.0010	1.0	4/ 6/05	16:55	B.Herford	8260B	4500
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 6/05	16:55	B.Herford	8260B	4500
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 6/05	16:55	B.Herford	8260B	4500
**Methyl-t-butyl ether	0.0269	mg/l	0.0010	1.0	4/ 6/05	16:55	B.Herford	8260B	4500

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A47532
Sample ID: MW-2
Project: 25881-01

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	900. ml	1.00 ml	4/ 6/05		J. Davis	3510
PAH's	500. ml	1.00 ml	4/ 6/05		J. Davis	3510/610

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	83.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	95.	63. - 134.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	103.	79. - 113.
VOA Surr, 4-BFB	124.	79. - 125.
VOA Surr, DBFM	99.	75. - 134.
PAH Surrogate	59.	49. - 103.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Purchase Order: !

Lab Number: 05-A47533
Sample ID: MW-3
Sample Type: Water
Site ID: 5-0608

Date Collected: 4/ 4/05
Time Collected: 11:15
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/l	0.100	1.0	4/ 7/05	15:44	F.Gundi	8015B	1427
**TPH (Diesel Range)	0.222	mg/l	0.100	1.0	4/ 7/05	7:25	M.Jarrett	8015B/3510	2551
**Naphthalene	ND	mg/l	0.00100	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Acenaphthene	ND	mg/l	0.00100	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Anthracene	ND	mg/l	0.00050	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Fluoranthene	ND	mg/l	0.00020	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Fluorene	ND	mg/l	0.00050	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Pyrene	ND	mg/l	0.00020	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Benzo(a)anthracene	ND	mg/l	0.00010	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Benzo(a)pyrene	ND	mg/l	0.00010	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Benzo(b)fluoranthene	ND	mg/l	0.00010	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Benzo(k)fluoranthene	ND	mg/l	0.00014	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Chrysene	ND	mg/l	0.00010	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Dibenzo(a,h)anthracene	ND	mg/l	0.00020	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Indeno(1,2,3-cd)pyrene	ND	mg/l	0.00020	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Acenaphthylene	ND	mg/l	0.00100	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**Phenanthrene	ND	mg/l	0.00050	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
**2-Methylnaphthalene	ND	mg/l	0.00100	1.0	4/ 7/05	19:12	K.Phelps	8310	8313
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 6/05	17:27	B.Herford	8260B	4500
**Toluene	ND	mg/l	0.0010	1.0	4/ 6/05	17:27	B.Herford	8260B	4500
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 6/05	17:27	B.Herford	8260B	4500
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 6/05	17:27	B.Herford	8260B	4500
**Methyl-t-butyl ether	0.0026	mg/l	0.0010	1.0	4/ 6/05	17:27	B.Herford	8260B	4500

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A47533
Sample ID: MW-3
Project: 25881-01

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	950. ml	1.00 ml	4/ 6/05		J. Davis	3510
PAH's	1000 ml	1.00 ml	4/ 6/05		J. Davis	3510/610

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	94.	55. - 133.
BTEX/GRO Surr., a,a,a-TFT	94.	69. - 132.
VOA Surr 1,2-DCA-d4	94.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	115.	79. - 125.
VOA Surr, DBFM	100.	75. - 134.
PAH Surrogate	78.	49. - 103.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Lab Number: 05-A47534
Sample ID: WR-1
Sample Type: Water
Site ID: 5-0608

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Date Collected: 4/ 4/05
Time Collected:
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Purchase Order: !

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	21.2	mg/l	2.00	20.0	4/ 8/05	23:27	F.Gundi	8015B	5280
**TPH (Diesel Range)	7.35	mg/l	1.00	10.0	4/ 7/05	10:38	M.Jarrett	8015B/3510	2551
VOLATILE ORGANICS									
**Benzene	0.156	mg/l	0.0010	1.0	4/ 5/05	18:37	B.Herford	8260B	1509
**Toluene	0.0905	mg/l	0.0010	1.0	4/ 5/05	18:37	B.Herford	8260B	1509
**Ethylbenzene	0.603	mg/l	0.0100	10.0	4/ 6/05	19:36	B.Herford	8260B	4500
**Xylenes (Total)	1.99	mg/l	0.0100	10.0	4/ 6/05	19:36	B.Herford	8260B	4500
**Methyl-t-butyl ether	0.220	mg/l	0.0100	10.0	4/ 6/05	19:36	B.Herford	8260B	4500

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	4/ 6/05		J. Davis	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	110.	55. - 133.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A47534
Sample ID: WR-1
Project: 25881-01

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	94.	63. - 134.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	107.	79. - 125.
VOA Surr, DBFM	99.	75. - 134.

LABORATORY COMMENTS:
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B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Purchase Order: !

Lab Number: 05-A47535
Sample ID: WE-1
Sample Type: Water
Site ID: 5-0608

Date Collected: 4/ 4/05
Time Collected: 10:40
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	0.161	mg/l	0.100	1.0	4/ 7/05	16:33	F.Gundi	8015B	1427
**TPH (Diesel Range)	ND	mg/l	0.100	1.0	4/ 7/05	7:56	M.Jarrett	8015B/3510	2551
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 6/05	18:00	B.Herford	8260B	4500
**Toluene	ND	mg/l	0.0010	1.0	4/ 6/05	18:00	B.Herford	8260B	4500
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 6/05	18:00	B.Herford	8260B	4500
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 6/05	18:00	B.Herford	8260B	4500
**Methyl-t-butyl ether	ND	mg/l	0.0010	1.0	4/ 6/05	18:00	B.Herford	8260B	4500

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Time	Analyst	Method
EPH	1000 ml	1.00 ml	4/ 6/05		J. Davis	3510

Surrogate	% Recovery	Target Range
TPH Hi Surr., o-Terphenyl	73.	55. - 133.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A47535
Sample ID: WE-1
Project: 25881-01

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	95.	69. - 132.
VOA Surr 1,2-DCA-d4	95.	73. - 127.
VOA Surr Toluene-d8	101.	79. - 113.
VOA Surr, 4-BFB	114.	79. - 125.
VOA Surr, DBFM	99.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Purchase Order: !

Lab Number: 05-A47536
Sample ID: WF-1
Sample Type: Water
Site ID: 5-0608

Date Collected: 4/ 4/05
Time Collected: 10:30
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
ORGANIC PARAMETERS									
**TPH (Gasoline Range)	ND	mg/l	0.100	1.0	4/ 7/05	16:58	F.Gundi	8015B	1427
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 6/05	18:32	B.Herford	8260B	4500
**Toluene	ND	mg/l	0.0010	1.0	4/ 6/05	18:32	B.Herford	8260B	4500
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 6/05	18:32	B.Herford	8260B	4500
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 6/05	18:32	B.Herford	8260B	4500
**Methyl-t-butyl ether	ND	mg/l	0.0010	1.0	4/ 6/05	18:32	B.Herford	8260B	4500

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	95.	69. - 132.
VOA Surr 1,2-DCA-d4	96.	73. - 127.
VOA Surr Toluene-d8	102.	79. - 113.
VOA Surr, 4-BFB	115.	79. - 125.
VOA Surr, DBFM	98.	75. - 134.

Sample report continued . . .

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ANALYTICAL REPORT

Laboratory Number: 05-A47536
Sample ID: WF-1
Project: 25881-01

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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ANALYTICAL REPORT

CONESTOGA ROVERS & ASSOC. 10318
SETH DOMANGUE
4915 S. SHERWOOD FOREST BLVD.
BATON ROUGE, LA 70816

Project: 25881-01
Project Name: EXXONMOBIL 5-0608
Sampler: TREY DAVIS

Purchase Order: !

Lab Number: 05-A47537
Sample ID: Trip Blank
Sample Type: Water
Site ID: 5-0608

Date Collected:
Time Collected:
Date Received: 4/ 5/05
Time Received: 7:45
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS									
**Benzene	ND	mg/l	0.0010	1.0	4/ 5/05	15:23	B.Herford	8260B	1509
**Toluene	ND	mg/l	0.0010	1.0	4/ 5/05	15:23	B.Herford	8260B	1509
**Ethylbenzene	ND	mg/l	0.0010	1.0	4/ 5/05	15:23	B.Herford	8260B	1509
**Xylenes (Total)	ND	mg/l	0.0010	1.0	4/ 5/05	15:23	B.Herford	8260B	1509
**Methyl-t-butyl ether	ND	mg/l	0.0010	1.0	4/ 5/05	15:23	B.Herford	8260B	1509

Surrogate	% Recovery	Target Range
VOA Surr 1,2-DCA-d4	97.	73. - 127.
VOA Surr Toluene-d8	103.	79. - 113.
VOA Surr, 4-BFB	127. #	79. - 125.
VOA Surr, DBFM	100.	75. - 134.

LABORATORY COMMENTS:
ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
# = Recovery outside Laboratory historical or method prescribed limits.
** = NELAC E87358 Certified Analyte

End of Sample Report.

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-01
Project Name: EXXONMOBIL 5-0608
Page: 1
Laboratory Receipt Date: 4/ 5/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
UST ANALYSIS								
TPH (Gasoline Range)	mg/l	< 0.100	1.10	1.00	110	43. - 150.	1427	'46845
Naphthalene	mg/l	< 0.00039	0.00144	0.00200	72	34. - 115.	8313	blank
Acenaphthene	mg/l	< 0.00042	0.00153	0.00200	76	35. - 131.	8313	blank
Anthracene	mg/l	< 0.00046	0.00150	0.00200	75	44. - 120.	8313	blank
Fluoranthene	mg/l	< 0.00015	0.00163	0.00200	82	42. - 118.	8313	blank
Fluorene	mg/l	< 0.00014	0.00152	0.00200	76	34. - 119.	8313	blank
Pyrene	mg/l	< 0.00016	0.00164	0.00200	82	48. - 122.	8313	blank
Benzo(a)anthracene	mg/l	< 0.00008	0.00170	0.00200	85	50. - 117.	8313	blank
Benzo(a)pyrene	mg/l	< 0.00005	0.00117	0.00200	58	41. - 118.	8313	blank
Benzo(b)fluoranthene	mg/l	< 0.00006	0.00170	0.00200	85	48. - 116.	8313	blank
Benzo(k)fluoranthene	mg/l	< 0.00005	0.00173	0.00200	86	48. - 118.	8313	blank
Chrysene	mg/l	< 0.00009	0.00185	0.00200	92	50. - 119.	8313	blank
Dibenzo(a,h)anthracene	mg/l	< 0.00016	0.00207	0.00200	104	26. - 118.	8313	blank
Indeno(1,2,3-cd)pyrene	mg/l	< 0.00014	0.00166	0.00200	83	43. - 113.	8313	blank
Acenaphthylene	mg/l	< 0.00019	0.00159	0.00200	80	32. - 118.	8313	blank
Phenanthrene	mg/l	< 0.00026	0.00159	0.00200	80	48. - 120.	8313	blank
2-Methylnaphthalene	mg/l	< 0.00054	0.00134	0.00200	67	29. - 124.	8313	blank
TPH (Diesel Range)	mg/l	0.068	0.728	1.00	66	35. - 124.	2551	blank
BTEX/GRO Surr., a,a,a-TFT	% Recovery				99	69 - 132	1427	
VOA PARAMETERS								
Benzene	mg/l	< 0.0010	0.0554	0.0500	111	62 - 146	1509	47359
Benzene	mg/l	< 0.0010	0.0596	0.0500	119	62 - 146	4500	47709
Toluene	mg/l	< 0.0010	0.0573	0.0500	115	68 - 141	1509	47359
Toluene	mg/l	< 0.0010	0.0620	0.0500	124	68 - 141	4500	47709
VOA Surr 1,2-DCA-d4	% Rec				94	73 - 127	1509	
VOA Surr 1,2-DCA-d4	% Rec				91	73 - 127	4500	

Project QC continued . . .

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PROJECT QUALITY CONTROL DATA
Project Number: 25881-01
Project Name: EXXONMOBIL 5-0608
Page: 2
Laboratory Receipt Date: 4/ 5/05

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on an true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA Surr Toluene-d8	% Rec				101	79 - 113	1509	
VOA Surr Toluene-d8	% Rec				98	79 - 113	4500	
VOA Surr, 4-BFB	% Rec				106	79 - 125	1509	
VOA Surr, 4-BFB	% Rec				104	79 - 125	4500	
VOA Surr, DBFM	% Rec				99	75 - 134	1509	
VOA Surr, DBFM	% Rec				99	75 - 134	4500	

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
UST PARAMETERS						
TPH (Gasoline Range)	mg/l	1.10	0.961	13.49	27.	1427
TPH (Diesel Range)	mg/l	0.728	0.707	2.93	36.	2551
Naphthalene	mg/l	0.00144	0.00137	4.98	53.	8313
Acenaphthene	mg/l	0.00153	0.00161	5.10	48.	8313
Anthracene	mg/l	0.00150	0.00179	17.63	47.	8313
Fluoranthene	mg/l	0.00163	0.00166	1.82	44.	8313
Fluorene	mg/l	0.00152	0.00160	5.13	50.	8313
Pyrene	mg/l	0.00164	0.00173	5.34	43.	8313
Benzo(a)anthracene	mg/l	0.00170	0.00171	0.59	42.	8313
Benzo(a)pyrene	mg/l	0.00117	0.00108	8.00	42.	8313
Benzo(b)fluoranthene	mg/l	0.00170	0.00171	0.59	42.	8313
Benzo(k)fluoranthene	mg/l	0.00173	0.00174	0.58	42.	8313
Chrysene	mg/l	0.00185	0.00186	0.54	42.	8313
Dibenzo(a,h)anthracene	mg/l	0.00207	0.00201	2.94	52.	8313
Indeno(1,2,3-cd)pyrene	mg/l	0.00166	0.00171	2.97	43.	8313

Project QC continued . . .