Larson & Associates, Inc.
Environmental Consultants

January 17, 2008

RECEIVED
JAN 18 2008
HOBBS OCD

VIA: EMAIL (chris.williams@state.nm.us)
CERTIFIED MAIL

Mr. Chris Williams
District Supervisor
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Remediation plan approved 1/17/08. Project must be completed by 4/18/08 Chris Williams

Re: 1RP-1160 – Spill Delineation Report and Remediation Plan
NW Eumont Unit Well #104, Unit C (NE/4, NW/4)
Section 14, Township 19 South, Range 36 East
Lea County, New Mexico

Dear Mr. Williams:
This letter is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Chevron North America Exploration & Production Company (Chevron) by Larson & Associates, Inc. (LAI), its consultant, to present delineation results and remediation plan for a crude oil and produced water spill that occurred near the NW Eumont Unit Well #104 (Site). The Site is located in unit C (NE/4, NW/4), Section 14, Township 19 South, Range 36 East, in Lea County, New Mexico. The latitude and longitude is 32° 39' 57.6" north and 103° 19' 37.4" west. Figure 1 presents a location and topographic map. Contact information for Chevron is as follows:

Name:	Rodney Bailey
Address:	15 Smith Road
	Midland, Texas 79705
Telephone:	(432) 687-7123
Cell:	(432) 894-3519
Email:	bailerg@chevron.com

Chronology
On December 16, 2006, Rhombus Operating Co., Ltd. (Rhombus) reported the spill to the OCD and submitted a C-141. On December 20, 2006, the OCD issued a notice to Rhombus that required vertical and horizontal delineation of the spill due to shallow groundwater. Rhombus scraped about twenty-five (25) cubic yards of soil from the affected area, which was piled on the location. On January 3, 2008, the New Mexico State Land Office (SLO) contacted Chevron, as lessee of record, requested it to enforce corrective action within sixty (60) days. Appendix A presents the regulatory correspondence.

Remediation Action Levels
The OCD guidelines ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993") provide recommend remediation action levels for benzene, BTEX (sum of benzene, toluene, ethylbenzene and xylene) and total petroleum hydrocarbons (TPH) based on the following criteria:

Ranking Criteria	Result	Ranking Score
Depth to Groundwater	<50 feet	20
Wellhead Protection Area	No	0
Distance to Surface Water Body	200-1000 Horizontal Feet	10
	Total Score:	**30**

The following recommended remediation action levels are assigned to Site based on the ranking score:

Benzene: **10 mg/Kg**
BTEX: **50 mg/Kg**
TPH: **100 mg/Kg**

The OCD does not have a recommended remediation action level for chloride, but has required Rhombus to delineate the chloride concentration in soil.

Delineation

On March 2, 2007, at the request of Rhombus, LAI contracted with Scarborough Drilling, Inc. (Scarborough) to collect soil samples at six (6) locations (SB-1 through SB-6) using an air rotary rig equipped with split-spoon and jam tube samplers. The samples were collected from ground surface to approximately 1 foot below ground surface (bgs), 5 to 6 feet bgs, 15 to 16 feet bgs and 20 to 21 feet bgs and placed in clean glass containers. The containers were sealed, labeled and delivered under chain of custody control to Trace Analysis, Inc. (Trace) located in Lubbock, Texas, which analyzed the samples for BTEX using method SW-846-8021B, TPH using method SW-846-8015 modified for gasoline range organics (GRO) and diesel range organics (DRO) and chloride. The split-spoon and jam tube samplers were thoroughly cleaned between events with a solution of potable water and laboratory-grade detergent and rinsed with distilled water. The drill cuttings were placed on the ground adjacent to the borings, which were plugged according to the New Mexico State Engineer rules. Figure 2 presents a Site drawing and boring locations. Table 1 presents a summary of the laboratory analysis. Appendix B presents the boring logs. Appendix C presents the laboratory reports. Appendix D presents photographs.

Referring to Table 1, benzene and BTEX were not reported at concentrations above the recommended remediation action levels of 10 milligrams per kilogram (mg/Kg) and 50 mg/Kg, respectively. The recommended remediation action level for TPH (100 mg/Kg) was exceeded in the following samples:

Location	Sample (Feet BGS)	TPH (mg/Kg)
SB-1	0 – 1	812
SB-2	0 – 1	3,482
SB-4	0 – 1	198.4
SB-5	0 – 1	9,940
SB-6	0 – 1	5,095

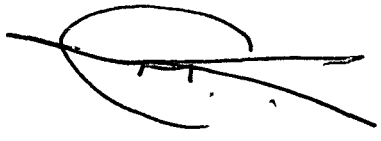
Chloride decreases below 250 mg/Kg at approximately 3 feet BGS at all locations except SB-6, which decreased below 250 mg/Kg at approximately 12 feet BGS.

Remediation Plan

A right of entry permit will be secured from the SLO to facilitate work at the Site. Soil will be excavated to achieve the recommended remediation action level for TPH (100 mg/Kg) and reduce the chloride concentration. Soil samples will be collected from the excavation sides and bottom to confirm the final in-situ concentrations for TPH and chloride. The contaminated soil will be hauled to an OCD permitted disposal facility. The final laboratory results will be reviewed with the OCD before filling the excavation with clean soil. The surface will be seeded to restore vegetation to SLO satisfaction. LAI will provide 48-hours notice to the OCD prior to commencing work and will submit a final report upon completion of the project. Appendix E presents the C-141. Chevron requests OCD approval to proceed with the soil remediation. Should you have questions please contact Rodney Bailey with Chevron at (432) (432) 687-7123 or myself at (432) 687-0901. We may also be reached by emailing bailerg@chevron.com or mark@laenvironmental.com.

Sincerely,

Larson & Associates, Inc.



Mark J. Larson, P.G., C.P.G., C.G.W.P.
Sr. Project Manager / President

Encl.

cc: Rodney Bailey - Chevron
Jami Bailey – NMSLO
Thaddeus Kostrubala - NMSLO

TABLES

Table 1
Summary of Laboratory Analysis of Soil Investigation Samples
Rhombus Operating Company, NW Eumont Unit Well #104
Section 14, Township 19 South, Range 36 East
Lea County, New Mexico

Sample Identification	Sample Depth Feet	Sample Date	Benzene	Total BTEX	DRO	GRO	Total TPH	Chloride
EPA/NMED Regulatory Level:			**10**	**50**			**100**	**500**
SB-1	**0 - 1**	3/2/2007	<0.00110	2.590	481	331	812	1,420
	5 - 6	3/2/2007	<0.00110	0.108	<9.07	10.8	10.8	127
	20 - 21	3/2/2007	<0.00110	0.0376	<9.07	2.24*	2.24	19.3*
SB-2	**0 - 1**	3/2/2007	<0.00110	0.9837	3,140	342	3,482	1080*
	5 - 6	3/2/2007	<0.00110	<0.0083	20.5	10.2*	30.7	78.3
	20 - 21	3/2/2007	<0.00110	0.0421	<9.07	1.44*	1.44	28.4*
SB-3	**0 - 1**	3/2/2007	<0.00110	0.0330	19.4	2.81*	22.21	1,470
	7 - 8	3/2/2007	<0.00110	<0.0083	<9.07	1.18*	1.18	27.1*
	15 - 16	3/2/2007	<0.00110	<0.0082	<9.07	0.887*	0.887	29.1*
SB-4	**0 - 1**	3/2/2007	<0.00110	0.0134	169	29.4	198.4	3,560
	5 - 6	3/2/2007	<0.00110	<0.0083	<9.07	3.84*	3.84	45.9*
	15 - 16	3/2/2007	<0.00110	<0.0083	<9.07	2.15*	2.15	7.3*
SB-5	**0 - 1**	3/2/2007	0.0338	23.29E	8,760	1,180	9,940	2,580
	7 - 8	3/2/2007	<0.00110	0.386	25.7	30.3	56	33.9*
	15 - 16	3/2/2007	<0.00110	0.0941	<9.07	10.9*	10.9	18.6*
SB-6	**0 - 1**	3/2/2007	<0.00550	4.16	4,700	395	5,095	1,610
	7 - 8	3/2/2007	<0.00110	<0.0083	13.1	9.6*	22.7	2,350
	15 - 16	3/2/2007	<0.00110	<0.0083	9.35	4.53*	13.88	6.61*

Notes: Analysis performed by Trace Analysis, Inc., Lubbock, Texas

All results reported in milligrams per Kilogram (mg/Kg)

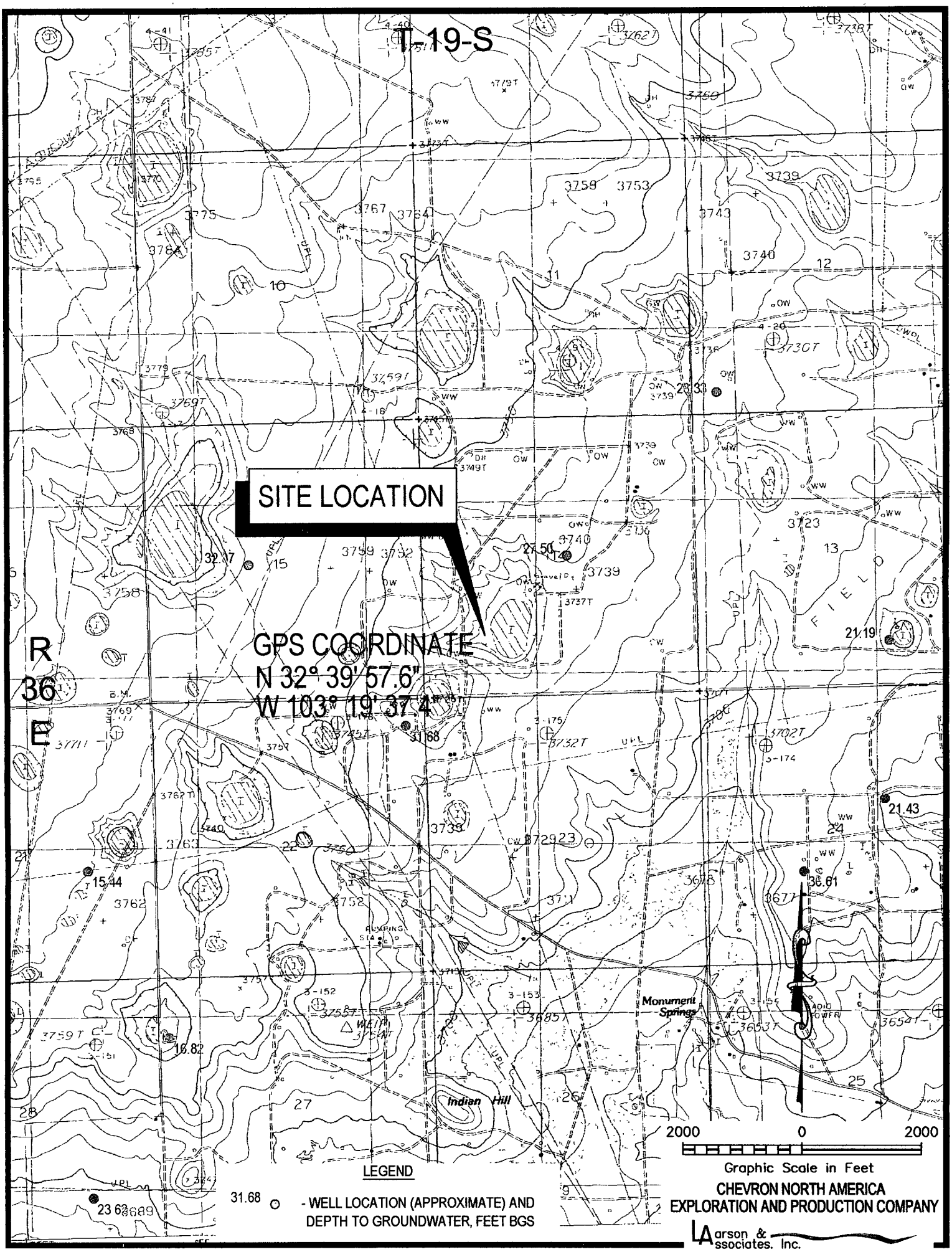
1. --: Sample was not analyzed
2. <: Below method detection limit

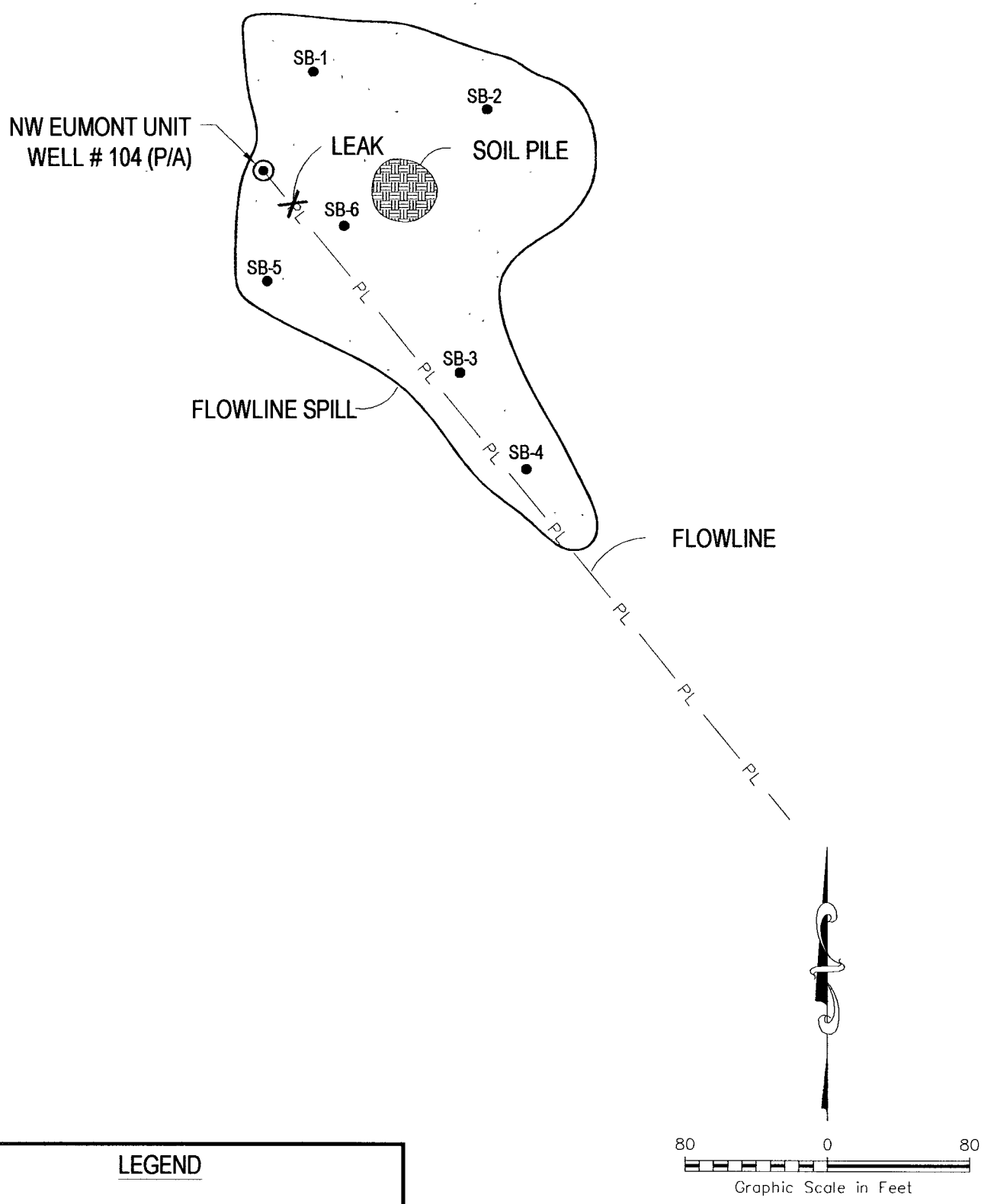
Flagging:

* - Sample contains less than ten (10) times the concentration present in the blank

E - Estimated concentration value greater than standard range

FIGURES


T-19-S
R
36
E
SITE LOCATION
GPS COORDINATE
N 32° 39' 57.6"
W 103° 19' 37.4"
FIELD
Monument Springs
Indian Hill
2000 0 2000
Graphic Scale in Feet
LEGEND
31.68 - WELL LOCATION (APPROXIMATE) AND DEPTH TO GROUNDWATER, FEET BGS
CHEVRON NORTH AMERICA EXPLORATION AND PRODUCTION COMPANY
Larson & Associates, Inc.



LEGEND

SB-1 ● SOIL BORING LOCATION, MARCH 2, 2007.

CHEVRON NORTH AMERICA
EXPLORATION AND PRODUCTION COMPANY

LA Larson & Associates, Inc
Environmental Consultants

FIGURE 2 - SITE DRAWING

APPENDIX A

Regulatory Communications

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

MEMO

DATE: 12.20.06

TO: MARTY

FROM: LARRY JOHNSON

____	For Your Files	____	Prepare a Reply for My Signature
____	For Your Review and Return	____	For Your Information
____	For Your Handling	____	For Your Approval
____	As Per Your Request	____	For Your Signature
____	Please Advise	___✓	For Your Attention

DUE TO SHALLOW WATER DEPTH THIS SITE WILL REQUIRE A FULL HORIZONTAL & VERTICAL DELINEATION. CONTINUE WITH EMERGENCY RESPONSE REMOVAL & DISPOSAL AT AN APPROVED DISPOSAL FACILITY. DO NOT REPLACE ANY SOIL UNTIL OCD APPROVAL IS OBTAINED. WHAT ~~ARE~~ THE CHLORIDE CONTENT OF THE SPILLED WATER? THANKS. LARRY JOHNSON

EMAIL INFO TO larry.johnson@state.nm.us

USE 1RP # 1160 ON ALL CORRESPONDENCE FOR THIS SITE. THIS IS OCD 'TRACKING NUMBER'

PATRICK H. LYONS
COMMISSIONER

State of New Mexico
Commissioner of Public Lands
310 OLD SANTA FE TRAIL
P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

COMMISSIONER'S OFFICE
Phone (505) 827-5760
Fax (505) 827-5766
www.nmstatelands.org

January 3, 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Denise Beckham
Chevron USA
11111 S. Wilcrest
Houston, TX 77099

Re: **LEASE No. E-7419-0, ROE-1490**
CONTAMINATED MATERIALS AT PLUGGED AND ABANDONED WELL SITE,
NM EUMONT UNIT WELL # 104
OPERATOR: Rhombus Operating
UL C, Sec 14, TWP 19S, RNG 36E
LEA County, NM

Dear Ms. Beckham:

It has come to our attention that certain unacceptable damages to the surface exist on the above described oil and gas lease. A recent inspection by the State District Resource Manager has indicated stained soils exist in the location where a March 2, 2007 soil borings investigation delineated chloride and TPH contamination (as defined by the NMOCD) to a minimum depth of 7 feet bgs (see enclosed). The surface staining is an indication that the contaminated soils were not removed and appropriately deposed of as required.

This problem is in violation of OCD rules and regulations and State Land Office Rules 19.2.100.66.A.(4) Spills governing surface operations on a state oil and gas lease. These rules outline requirements for handling spills and remediation on State Trust Lands.

Several telephone discussions with the Operator, Rhombus Operating have not resulted in the appropriate corrective actions at the site. As lessee of record, you have incurred certain obligations which include operating in a prudent manner.

You are requested to inspect your lease and to enforce corrective action within sixty days from the date of this letter. Failure to comply with the appropriate corrective action request within the time allowed will indicate that the well site has not been satisfactorily remediated and reclaimed. If these items are not addressed, lease E-7419-0 may be subject to review for expiration. Please coordinate your plans and an inspection date with our District Resource Manger, Leon Anderson, whose phone number is (505) 392-8736. If you have any questions, please feel free to contact Scott Dawson at (505) 827-6628.

Sincerely.
PATRICK H. LYONS,
COMMISSIONER OF PUBLIC LANDS

By: Jami Bailey, Director
Oil, Gas, and Minerals Division
(505) 827-5745

pc: Gregory Cielinski, Rhombus Operating
Larry Johnson, NMOCD
Thaddeus Kostrubala, NMOCD
Erica Padilla, NMSLO
Leon Anderson, NMSLO

Table 1
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Section 14, Township 19 South, Range 36 East
Lea County, New Mexico

Sample Identification	Sample Depth Feet	Sample Date	Benzene	Total BTEX	DRO	GRO	Total TPH	Chloride
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	5 - 6	3/2/2007	<0.00110	<0.0083	<9.07	3.84*	3.84	45.9*
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	15 - 16	3/2/2007	<0.00110	<0.0083	9.35	4.53*	13.88	6.61*

Notes: Analysis performed by Trace Analysis, Inc., Lubbock, Texas

All results reported in milligrams per Kilogram (mg/Kg)

1. –: Sample was not analyzed
2. <: Below method detection limit

Flagging:

* - Sample contains less than ten (10) times the concentration present in the blank
E - Estimated concentration value greater than standard range

APPENDIX B

Boring Logs

Client: Rhombus Operating Company

Project: NW Eumont Unit # 104

Project No: 6-0145

Location: Lea County, New Mexico

Log: SB-1

Page: 1 of 1

Geologist: W.D. Green

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (100 – 300)	Notes
0		Ground Surface					
		Caliche 7.5 YR 6/3, Light brown limestone gravel with fine grained quartz sand	1			352.0	
		Sand 7.5 YR 8/1, White, medium to fine sand, subround with high sporicity	2			5.4	
5		7.5 YR 8/3, Pink, medium fine sand and caliche	3			4.1	
		7.5 YR 7/2, Pinkish gray fine grained quartz sand, subround to rounded with high sporicity	4			1.6	
10		7.5 YR 7/3, Pink, fine grained quartz sand, caliche	5			2.6	
15			6			1.5	
20		***Sand*** 7.5 YR 6/2, Pinkish gray, fine grained quartz sand, induration with chert, anguler fractures	7			1.5	
25		***TD: 25.00'***					
30							

Drill Method: Air Rotery

Drill Date: 03-02-07

Hole Size: 4"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: Scarbrough

Client: Rhombus Operating Company

Project: NW Eumont Unit # 104

Project No: 6-0145

Location: Lea County, New Mexico

Log: SB-2

Page: 1 of 1

Geologist: W.D. Green

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (100 – 300)	Notes
0		Ground Surface					
		Sand 2.5 YR 4/2, Dark grayish brown medium grained quartz sand	1			73.0	
		Sand 7.5 YR 8/2, Pinkish white, medium to fine grained quartz sand	2			13.8	
5		7.5 YR 8/2, Pinkish white, medium to fine grained quartz sand	3			9.1	
		7.5 YR 8/2, Pinkish white, medium to fine grained quartz sand	4			4.9	
10			5				
15			6			4.9	
20		**Sand** 7.5 YR 7/2, Pinkish gray, fine grained quartz sand, sandstone	7			5.6	
		TD: 21.00'					
25							

Drill Method: Air Rotery

Drill Date: 03-02-07

Hole Size: 4"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: Scarbrough

Client: Rhombus Operating Company

Project: NW Eumont Unit # 104

Project No: 6-0145

Location: Lea County, New Mexico

Log: SB-3

Page: 1 of 1

Geologist: W.D. Green

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (2 6 10 14 18)	Notes
0		Ground Surface					
		Sand 7.5 YR 4/2, Brown, poorly sorted	1			6.4	
		Sand 7.5 YR 7/3, Pink, medium grained quartz sand				5.1	
		7.5 YR 7/2, Pinkish gray, medium grained quartz sand	2				
5						5.9	
		7.5 YR 8/2, Pinkish white, medium grained quartz sand	3				
		7.5 YR 7/2, Pinkish gray, medium grained quartz sand	4				
10			5			5.9	
15		**Sand** 7.5 YR 6/4, Light brown, fine grained quartz sand, sandstone	6			5.3	
20			7			3.9	
		TD: 21.00'					
25							

Drill Method: Air Rotery

Drill Date: 03-02-07

Hole Size: 4"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: Scarbrough

Client: Rhombus Operating Company

Project: NW Eumont Unit # 104

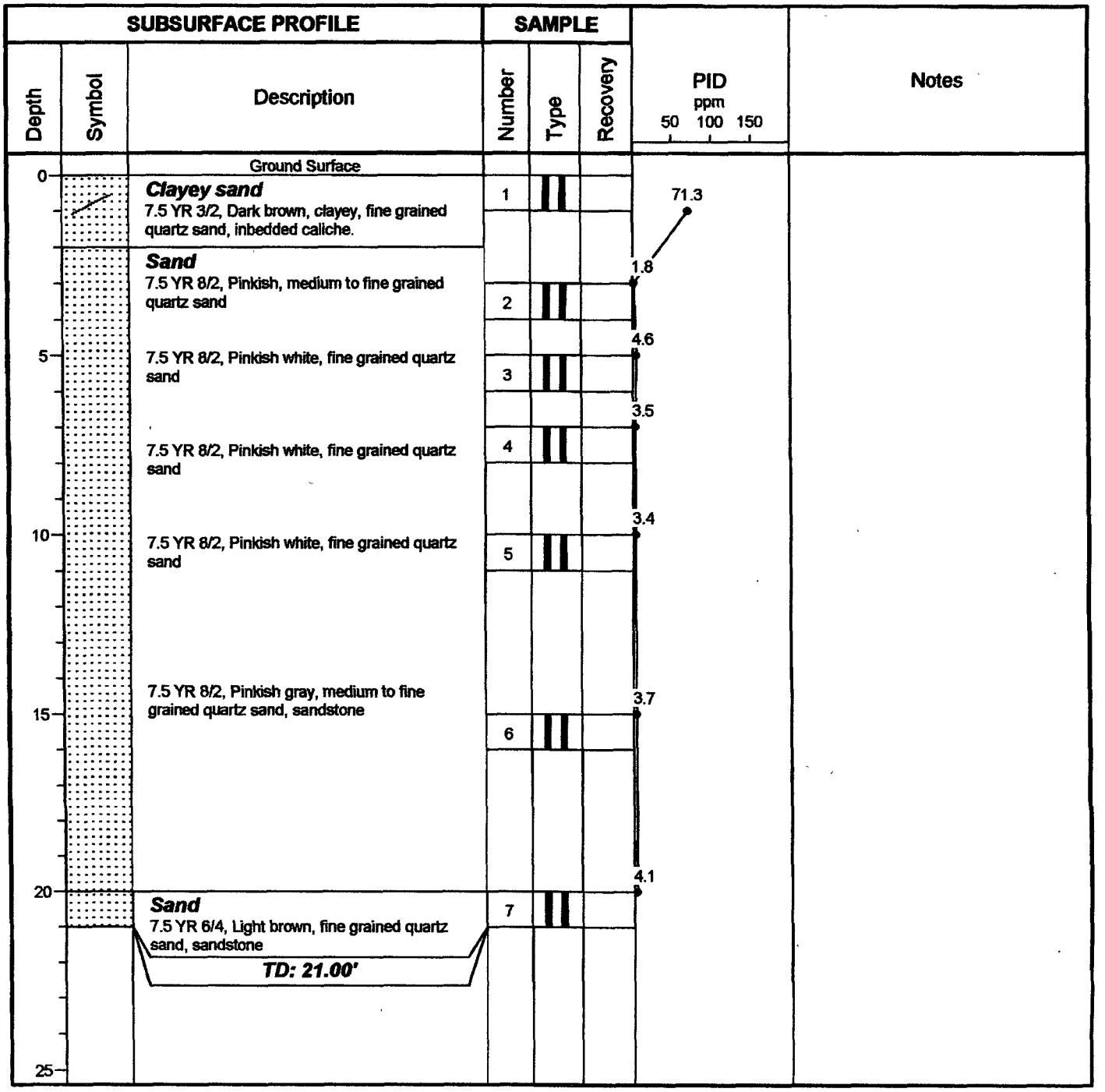
Project No: 6-0145

Location: Lea County, New Mexico

Log: SB-4

Page: 1 of 1

Geologist: W.D. Green



Drill Method: Air Rotery

Drill Date: 03-02-07

Hole Size: 4"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: Scarbrough

Client: Rhombus Operating Company

Project: NW Eumont Unit # 104

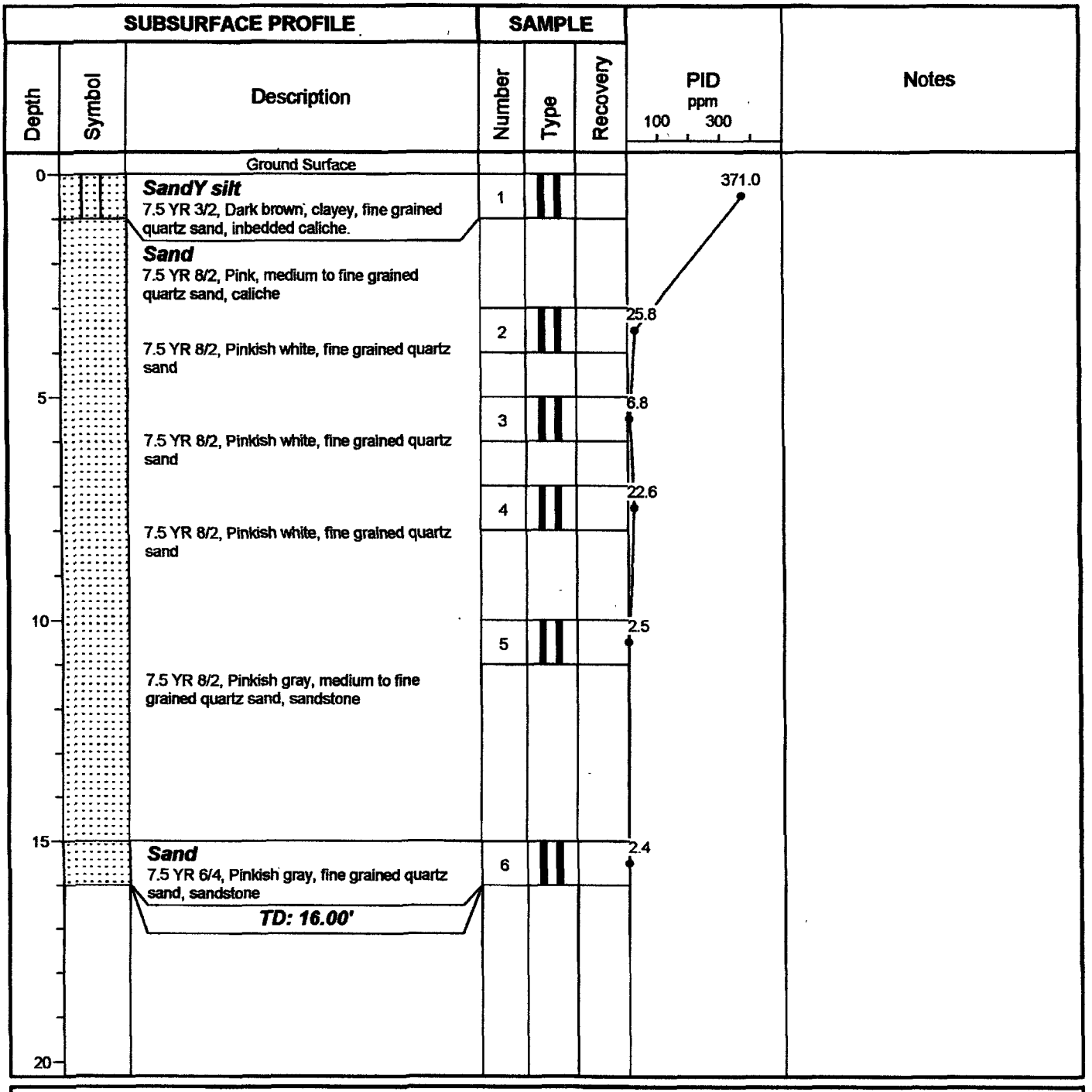
Project No: 6-0145

Location: Lea County, New Mexico

Log: SB-5

Page: 1 of 1

Geologist: W.D. Green



Drill Method: Air Rotery

Drill Date: 03-02-07

Hole Size: 4"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: Scarbrough

Client: Rhombus Operating Company

Project: NW Eumont Unit # 104

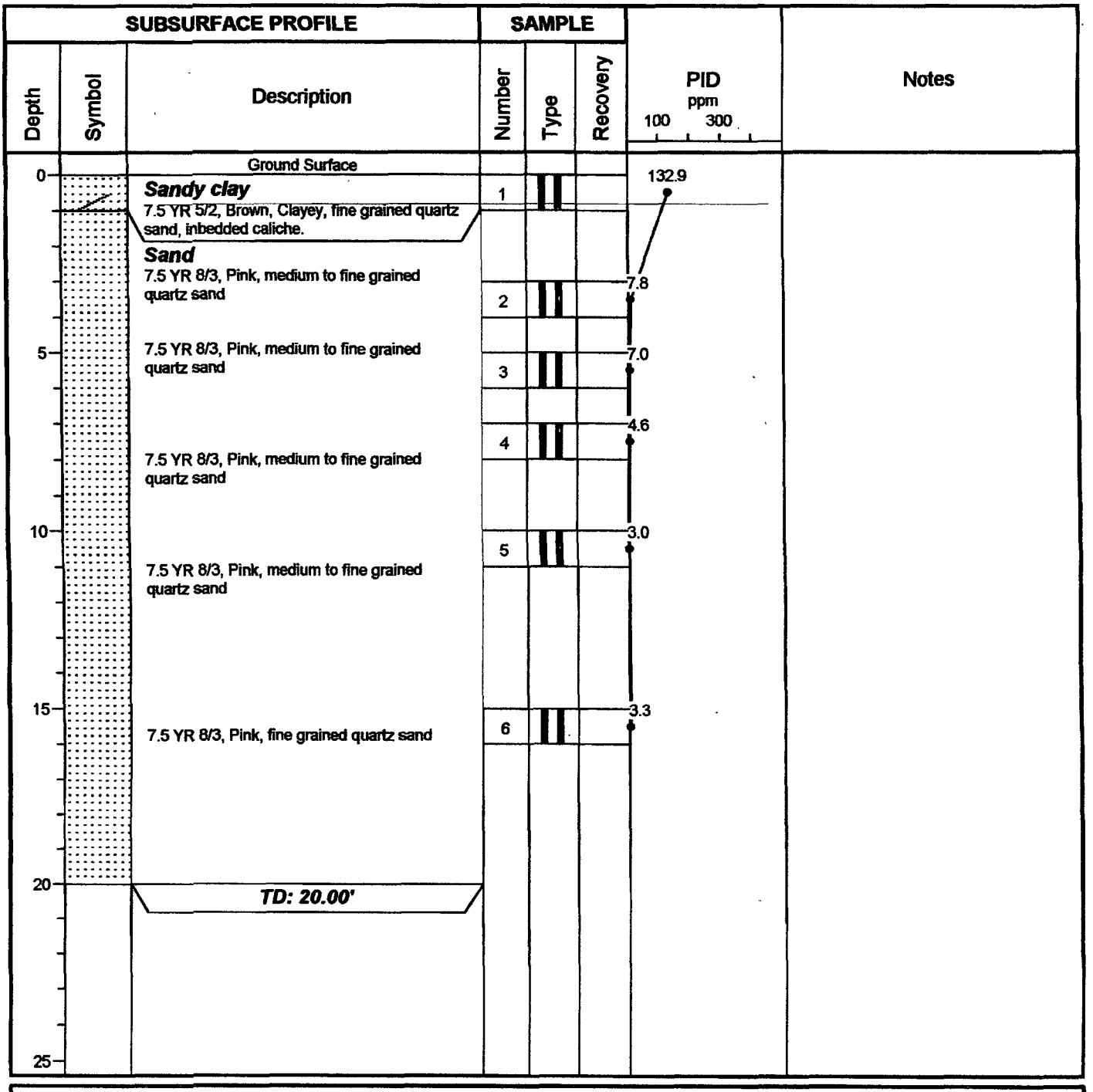
Project No: 6-0145

Location: Lea County, New Mexico

Log: SB-6

Page: 1 of 1

Geologist: W.D. Green



Drill Method: Air Rotery

Drill Date: 03-02-07

Hole Size: 4"

Larson and Associates, Inc
507 N. Marienfeld, Suite 202
Midland, Texas 79701
(432) 687-0901

Elevation: N/A

Checked by: MJL

Drilled by: Scarbrough

APPENDIX C

Laboratory Report

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Michelle Green
Larson and Associates, Inc.
P. O. Box 50685
Midland, Tx, 79710

Report Date: March 12, 2007

Work Order: 7030522

Project Location:
Project Name: NW Eumont Unit Well #104
Project Number: 6-0145

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
118075	SB-1 0-1	soil	2007-03-02	10:32	2007-03-05
118076	SB-1 5-6	soil	2007-03-02	10:42	2007-03-05
118077	SB-1 20-2	soil	2007-03-02	11:15	2007-03-05
118078	SB-2 0-1	soil	2007-03-02	13:25	2007-03-05
118079	SB-2 5-6	soil	2007-03-02	13:39	2007-03-05
118080	SB-2 20-2	soil	2007-03-02	13:55	2007-03-05
118081	SB-3 0-1	soil	2007-03-02	14:20	2007-03-05
118082	SB-3 7-8	soil	2007-03-02	14:38	2007-03-05
118083	SB-3 15-16	soil	2007-03-02	14:52	2007-03-05
118084	SB-4 0-1	soil	2007-03-02	15:18	2007-03-05
118085	SB-4 5-6	soil	2007-03-02	15:28	2007-03-05
118086	SB-4 15-16	soil	2007-03-02	15:44	2007-03-05
118087	SB-5 0-1	soil	2007-03-02	16:10	2007-03-05
118088	SB-5 7-8	soil	2007-03-02	16:25	2007-03-05
118089	SB-5 15-16	soil	2007-03-02	16:36	2007-03-05
118090	SB-6 0-1	soil	2007-03-02	16:48	2007-03-05
118091	SB-6 7-8	soil	2007-03-02	16:59	2007-03-05
118092	SB-6 15-16	soil	2007-03-02	17:13	2007-03-05

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 118075 - SB-1 0-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35249	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30597	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.191**	mg/Kg	1	0.0100
Ethylbenzene		**0.127**	mg/Kg	1	0.0100
Xylene		**2.27**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.650	mg/Kg	1	1.00	65	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.767	mg/Kg	1	1.00	77	51.1 - 119.1

Sample: 118075 - SB-1 0-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35363	Date Analyzed:	2007-03-07	Analyzed By:	AR
Prep Batch:	30693	Sample Preparation:	2007-03-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1420**	mg/Kg	100	1.00

Sample: 118075 - SB-1 0-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**481**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		177	mg/Kg	1	150	118	32.9 - 167

Sample: 118075 - SB-1 0-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35291	Date Analyzed:	2007-03-06	Analyzed By:	ss
Prep Batch:	30630	Sample Preparation:	2007-03-06	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**331**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.44	mg/Kg	10	10.0	84	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[1]	19.9	mg/Kg	10	10.0	199	67.5 - 140.3

Sample: 118076 - SB-1 5-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35249	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30597	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.108**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.929	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.978	mg/Kg	1	1.00	98	51.1 - 119.1

Sample: 118076 - SB-1 5-6

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35363	Date Analyzed:	2007-03-07	Analyzed By:	AR
Prep Batch:	30693	Sample Preparation:	2007-03-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**127**	mg/Kg	5	1.00

Sample: 118076 - SB-1 5-6

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

[1] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		178	mg/Kg	1	150	119	32.9 - 167

Sample: 118076 - SB-1 5-6

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35248	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30595	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**10.8**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.829	mg/Kg	1	1.00	83	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.11	mg/Kg	1	1.00	111	67.5 - 140.3

Sample: 118077 - SB-1 20-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35249	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30597	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.0376**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.928	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.954	mg/Kg	1	1.00	95	51.1 - 119.1

Sample: 118077 - SB-1 20-2

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35363	Date Analyzed:	2007-03-07	Analyzed By:	AR
Prep Batch:	30693	Sample Preparation:	2007-03-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**19.3**	mg/Kg	5	1.00

Sample: 118077 - SB-1 20-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		174	mg/Kg	1	150	116	32.9 - 167

Sample: 118077 - SB-1 20-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35248	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30595	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**2.24**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.820	mg/Kg	1	1.00	82	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	67.5 - 140.3

Sample: 118078 - SB-2 0-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35249	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30597	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		**0.0627**	mg/Kg	1	0.0100
Ethylbenzene		**0.144**	mg/Kg	1	0.0100
Xylene		**0.777**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.993	mg/Kg	1	1.00	99	26 - 117.8
4-Bromofluorobenzene (4-BFB)	[2]	1.78	mg/Kg	1	1.00	178	51.1 - 119.1

[2] High surrogate recovery due to peak interference.

Sample: 118078 - SB-2 0-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35363	Date Analyzed:	2007-03-07	Analyzed By:	AR
Prep Batch:	30693	Sample Preparation:	2007-03-06	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1080**	mg/Kg	100	1.00

Sample: 118078 - SB-2 0-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	Result	RL Units	Dilution	RL
DRO		**3140**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	398	mg/Kg	1	150	265	32.9 - 167

Sample: 118078 - SB-2 0-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35291	Date Analyzed:	2007-03-06	Analyzed By:	ss
Prep Batch:	30630	Sample Preparation:	2007-03-06	Prepared By:	ss

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		**342**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.82	mg/Kg	10	10.0	88	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[4]	20.9	mg/Kg	10	10.0	209	67.5 - 140.3

Sample: 118079 - SB-2 5-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35249	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30597	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100

[3]High surrogate recovery due to peak interference.
[4]High surrogate recovery due to peak interference.

continued ...

sample 118079 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.935	mg/Kg	1	1.00	94	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.958	mg/Kg	1	1.00	96	51.1 - 119.1

Sample: 118079 - SB-2 5-6

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35363	Date Analyzed:	2007-03-07	Analyzed By:	AR
Prep Batch:	30693	Sample Preparation:	2007-03-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**78.3**	mg/Kg	5	1.00

Sample: 118079 - SB-2 5-6

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		174	mg/Kg	1	150	116	32.9 - 167

Sample: 118079 - SB-2 5-6

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35248	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30595	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	*B*	**10.2**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.827	mg/Kg	1	1.00	83	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.03	mg/Kg	1	1.00	103	67.5 - 140.3

Sample: 118080 - SB-2 20-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		**0.0421**		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.938	mg/Kg	1	1.00	94	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	51.1 - 119.1

Sample: 118080 - SB-2 20-2

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35363	Date Analyzed:	2007-03-07	Analyzed By:	AR
Prep Batch:	30693	Sample Preparation:	2007-03-06	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**28.4**		mg/Kg	5	1.00

Sample: 118080 - SB-2 20-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		176	mg/Kg	1	150	117	32.9 - 167

Sample: 118080 - SB-2 20-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

continued ...

sample 118080 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**1.44**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.847	mg/Kg	1	1.00	85	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	67.5 - 140.3

Sample: 118081 - SB-3 0-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.0330**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.930	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.962	mg/Kg	1	1.00	96	51.1 - 119.1

Sample: 118081 - SB-3 0-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35364	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30694	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1470**	mg/Kg	100	1.00

Sample: 118081 - SB-3 0-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

continued ...

sample 118081 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		182	mg/Kg	1	150	121	32.9 - 167

Sample: 118081 - SB-3 0-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**2.81**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.810	mg/Kg	1	1.00	81	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	67.5 - 140.3

Sample: 118082 - SB-3 7-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.934	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.978	mg/Kg	1	1.00	98	51.1 - 119.1

Sample: 118082 - SB-3 7-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35364	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30694	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**27.1**	mg/Kg	5	1.00

Sample: 118082 - SB-3 7-8

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		173	mg/Kg	1	150	115	32.9 - 167

Sample: 118082 - SB-3 7-8

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	*B*	**1.18**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.821	mg/Kg	1	1.00	82	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	67.5 - 140.3

Sample: 118083 - SB-3 15-16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.932	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.978	mg/Kg	1	1.00	98	51.1 - 119.1

Sample: 118083 - SB-3 15-16

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35364	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30694	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Chloride		**29.1**		mg/Kg	5	1.00

Sample: 118083 - SB-3 15-16

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	Result	RL Result	Units	Dilution	RL
DRO			<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		172	mg/Kg	1	150	115	32.9 - 167

Sample: 118083 - SB-3 15-16

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	Result	RL Result	Units	Dilution	RL
GRO			<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.828	mg/Kg	1	1.00	83	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	67.5 - 140.3

Sample: 118084 - SB-4 0-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Benzene			<0.0100	mg/Kg	1	0.0100
Toluene			<0.0100	mg/Kg	1	0.0100
Ethylbenzene			<0.0100	mg/Kg	1	0.0100

continued ...

sample 118084 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		**0.0134**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.937	mg/Kg	1	1.00	94	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	51.1 - 119.1

Sample: 118084 - SB-4 0-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35364	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30694	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3560**	mg/Kg	100	1.00

Sample: 118084 - SB-4 0-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**169**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		181	mg/Kg	1	150	121	32.9 - 167

Sample: 118084 - SB-4 0-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**29.4**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.818	mg/Kg	1	1.00	82	52.4 - 123.7

continued ...

Sample: 118085 - SB-4 5-6

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	B	**3.84**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.814	mg/Kg	1	1.00	81	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	67.5 - 140.3

Sample: 118086 - SB-4 15-16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.923	mg/Kg	1	1.00	92	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.965	mg/Kg	1	1.00	96	51.1 - 119.1

Sample: 118086 - SB-4 15-16

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35364	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30694	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride	B	**7.30**		mg/Kg	5	1.00

Sample: 118086 - SB-4 15-16

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		207	mg/Kg	1	150	138	32.9 - 167

Sample: 118086 - SB-4 15-16

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**2.15**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.822	mg/Kg	1	1.00	82	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	67.5 - 140.3

Sample: 118087 - SB-5 0-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0338**	mg/Kg	1	0.0100
Toluene		**0.337**	mg/Kg	1	0.0100
Ethylbenzene		**1.15**	mg/Kg	1	0.0100
Xylene	[6]	**21.8**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.714	mg/Kg	1	1.00	71	26 - 117.8
4-Bromofluorobenzene (4-BFB)	[7]	1.40	mg/Kg	1	1.00	140	51.1 - 119.1

Sample: 118087 - SB-5 0-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35365	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30695	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2580**	mg/Kg	100	1.00

[6] Estimated concentration value greater than standard range.
[7] High surrogate recovery due to peak interference.

Sample: 118087 - SB-5 0-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**8760**	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[8]	875	mg/Kg	5	150	583	32.9 - 167

Sample: 118087 - SB-5 0-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35291	Date Analyzed:	2007-03-06	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1180**	mg/Kg	50	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		43.0	mg/Kg	50	50.0	86	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		67.0	mg/Kg	50	50.0	134	67.5 - 140.3

Sample: 118088 - SB-5 7-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		**0.386**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.976	mg/Kg	1	1.00	98	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	51.1 - 119.1

[8] High surrogate recovery due to peak interference.

Sample: 118088 - SB-5 7-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35365	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30695	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**33.9**		mg/Kg	5	1.00

Sample: 118088 - SB-5 7-8

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		<50.0		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		188	mg/Kg	1	150	125	32.9 - 167

Sample: 118088 - SB-5 7-8

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**30.3**		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.878	mg/Kg	1	1.00	88	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[9]	1.51	mg/Kg	1	1.00	151	67.5 - 140.3

Sample: 118089 - SB-5 15-16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100

continued ...

[9] High surrogate recovery due to peak interference.

sample 118089 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		**0.0941**	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.929	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.994	mg/Kg	1	1.00	99	51.1 - 119.1

Sample: 118089 - SB-5 15-16

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35365	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30695	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**18.6**	mg/Kg	5	1.00

Sample: 118089 - SB-5 15-16

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		234	mg/Kg	1	150	156	32.9 - 167

Sample: 118089 - SB-5 15-16

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**10.9**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.835	mg/Kg	1	1.00	84	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	67.5 - 140.3

Sample: 118090 - SB-6 0-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0500		mg/Kg	5	0.0100
Toluene		<0.0500		mg/Kg	5	0.0100
Ethylbenzene		**1.10**		mg/Kg	5	0.0100
Xylene		**3.06**		mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.04	mg/Kg	5	5.00	101	26 - 117.8
4-Bromofluorobenzene (4-BFB)	[10]	6.63	mg/Kg	5	5.00	133	51.1 - 119.1

Sample: 118090 - SB-6 0-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35365	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30695	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1610**		mg/Kg	100	1.00

Sample: 118090 - SB-6 0-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**4700**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[11]	1100	mg/Kg	1	150	733	32.9 - 167

Sample: 118090 - SB-6 0-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35291	Date Analyzed:	2007-03-06	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

continued ...

[10] High surrogate recovery due to peak interference.
[11] High surrogate recovery due to peak interference.

sample 118090 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**395**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.43	mg/Kg	10	10.0	84	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[12]	21.8	mg/Kg	10	10.0	218	67.5 - 140.3

Sample: 118091 - SB-6 7-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.928	mg/Kg	1	1.00	93	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.983	mg/Kg	1	1.00	98	51.1 - 119.1

Sample: 118091 - SB-6 7-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35365	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30695	Sample Preparation:	2007-03-07	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2350**	mg/Kg	100	1.00

Sample: 118091 - SB-6 7-8

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

continued ...

[12] High surrogate recovery due to peak interference.

sample 118091 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		224	mg/Kg	1	150	149	32.9 - 167

Sample: 118091 - SB-6 7-8

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**9.60**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.810	mg/Kg	1	1.00	81	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[13]	1.51	mg/Kg	1	1.00	151	67.5 - 140.3

Sample: 118092 - SB-6 15-16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	35250	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30596	Sample Preparation:	2007-03-07	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.913	mg/Kg	1	1.00	91	26 - 117.8
4-Bromofluorobenzene (4-BFB)		0.973	mg/Kg	1	1.00	97	51.1 - 119.1

Sample: 118092 - SB-6 15-16

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	35365	Date Analyzed:	2007-03-08	Analyzed By:	AR
Prep Batch:	30695	Sample Preparation:	2007-03-07	Prepared By:	AR

[13] High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride	B	**6.61**	mg/Kg	5	1.00

Sample: 118092 - SB-6 15-16

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	35275	Date Analyzed:	2007-03-06	Analyzed By:	WR
Prep Batch:	30615	Sample Preparation:	2007-03-05	Prepared By:	WR

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		209	mg/Kg	1	150	139	32.9 - 167

Sample: 118092 - SB-6 15-16

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	35251	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30598	Sample Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**4.53**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.796	mg/Kg	1	1.00	80	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.23	mg/Kg	1	1.00	123	67.5 - 140.3

Method Blank (1) QC Batch: 35248

QC Batch:	35248	Date Analyzed:	2007-03-05	Analyzed By:	ss
Prep Batch:	30595	QC Preparation:	2007-03-05	Prepared By:	ss

Parameter	Flag	MDL Result	Units	RL
GRO		1.04	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.929	mg/Kg	1	1.00	93	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.999	mg/Kg	1	1.00	100	67.5 - 140.3

Method Blank (1) QC Batch: 35249

QC Batch: 35249 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30597 QC Preparation: 2007-03-05 Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.947	mg/Kg	1	1.00	95	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.899	mg/Kg	1	1.00	90	53.9 - 125.1

Method Blank (1) QC Batch: 35250

QC Batch: 35250 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30596 QC Preparation: 2007-03-05 Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.943	mg/Kg	1	1.00	94	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.865	mg/Kg	1	1.00	86	53.9 - 125.1

Method Blank (1) QC Batch: 35251

QC Batch: 35251 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30598 QC Preparation: 2007-03-05 Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
GRO		1.24	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.935	mg/Kg	1	1.00	94	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	67.5 - 140.3

Method Blank (1) QC Batch: 35275

QC Batch: 35275 | Date Analyzed: 2007-03-06 | Analyzed By: WR
Prep Batch: 30615 | QC Preparation: 2007-03-05 | Prepared By: WR

Parameter	Flag	MDL Result	Units	RL
DRO		<9.07	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	44.7 - 133.6

Method Blank (1) QC Batch: 35291

QC Batch: 35291 | Date Analyzed: 2007-03-06 | Analyzed By: ss
Prep Batch: 30598 | QC Preparation: 2007-03-05 | Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
GRO		2.56	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.897	mg/Kg	1	1.00	90	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	67.5 - 140.3

Matrix Blank (1) QC Batch: 35363

QC Batch: 35363 | Date Analyzed: 2007-03-07 | Analyzed By: AR
Prep Batch: 30693 | QC Preparation: 2007-03-06 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		2.38	mg/Kg	1

Matrix Blank (1) QC Batch: 35364

QC Batch: 35364 | Date Analyzed: 2007-03-08 | Analyzed By: AR
Prep Batch: 30694 | QC Preparation: 2007-03-07 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		2.32	mg/Kg	1

Matrix Blank (1) QC Batch: 35365

QC Batch: 35365 | Date Analyzed: 2007-03-08 | Analyzed By: AR
Prep Batch: 30695 | QC Preparation: 2007-03-07 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		2.30	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 35248 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30595 QC Preparation: 2007-03-05 Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.76	mg/Kg	1	10.0	1.04	67	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.08	mg/Kg	1	10.0	1.04	60	57.7 - 102.5	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.17	0.839	mg/Kg	1	1.00	117	84	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	1.05	1.07	mg/Kg	1	1.00	105	107	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 35249 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30597 QC Preparation: 2007-03-05 Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.952	mg/Kg	1	1.00	<0.00110	95	68.6 - 123.4
Toluene	0.968	mg/Kg	1	1.00	<0.00150	97	74.6 - 119.3
Ethylbenzene	0.972	mg/Kg	1	1.00	<0.00160	97	72.3 - 126.2
Xylene	2.95	mg/Kg	1	3.00	<0.00410	98	76.5 - 121.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.981	mg/Kg	1	1.00	<0.00110	98	68.6 - 123.4	3	20
Toluene	0.998	mg/Kg	1	1.00	<0.00150	100	74.6 - 119.3	3	20
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00160	101	72.3 - 126.2	4	20
Xylene	3.08	mg/Kg	1	3.00	<0.00410	103	76.5 - 121.6	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.900	0.900	mg/Kg	1	1.00	90	90	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	0.945	0.963	mg/Kg	1	1.00	94	96	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 35250 | Date Analyzed: 2007-03-05 | Analyzed By: ss
Prep Batch: 30596 | QC Preparation: 2007-03-05 | Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.938	mg/Kg	1	1.00	<0.00110	94	68.6 - 123.4
Toluene	0.956	mg/Kg	1	1.00	<0.00150	96	74.6 - 119.3
Ethylbenzene	0.946	mg/Kg	1	1.00	<0.00160	95	72.3 - 126.2
Xylene	2.87	mg/Kg	1	3.00	<0.00410	96	76.5 - 121.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.980	mg/Kg	1	1.00	<0.00110	98	68.6 - 123.4	4	20
Toluene	0.988	mg/Kg	1	1.00	<0.00150	99	74.6 - 119.3	3	20
Ethylbenzene	0.985	mg/Kg	1	1.00	<0.00160	98	72.3 - 126.2	4	20
Xylene	2.99	mg/Kg	1	3.00	<0.00410	100	76.5 - 121.6	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.892	0.907	mg/Kg	1	1.00	89	91	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	0.929	0.922	mg/Kg	1	1.00	93	92	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 35251 | Date Analyzed: 2007-03-05 | Analyzed By: ss
Prep Batch: 30598 | QC Preparation: 2007-03-05 | Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.81	mg/Kg	1	10.0	1.24	66	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.18	mg/Kg	1	10.0	1.24	59	57.7 - 102.5	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.18	1.09	mg/Kg	1	1.00	118	109	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	1.07	1.04	mg/Kg	1	1.00	107	104	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 35275 | Date Analyzed: 2007-03-06 | Analyzed By: WR
Prep Batch: 30615 | QC Preparation: 2007-03-05 | Prepared By: WR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	193	mg/Kg	1	250	<9.07	77	47.5 - 144.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	188	mg/Kg	1	250	<9.07	75	47.5 - 144.1	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	163	160	mg/Kg	1	150	109	107	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 35291 Date Analyzed: 2007-03-06 Analyzed By: ss
Prep Batch: 30598 QC Preparation: 2007-03-05 Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.39	mg/Kg	1	10.0	2.56	68	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.17	mg/Kg	1	10.0	2.56	66	57.7 - 102.5	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.26	1.09	mg/Kg	1	1.00	126	109	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	1.14	1.10	mg/Kg	1	1.00	114	110	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 35363 Date Analyzed: 2007-03-07 Analyzed By: AR
Prep Batch: 30693 QC Preparation: 2007-03-06 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	14.0	mg/Kg	1	12.5	1.3726	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	14.2	mg/Kg	1	12.5	1.3726	103	90 - 110	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35364 | Date Analyzed: 2007-03-08 | Analyzed By: AR
Prep Batch: 30694 | QC Preparation: 2007-03-07 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.7	mg/Kg	1	12.5	1.3521	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	14.3	mg/Kg	1	12.5	1.3521	104	90 - 110	4	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 35365 | Date Analyzed: 2007-03-08 | Analyzed By: AR
Prep Batch: 30695 | QC Preparation: 2007-03-07 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.9	mg/Kg	1	12.5	1.3792	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	13.2	mg/Kg	1	12.5	1.3792	94	90 - 110	5	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118076

QC Batch: 35248 | Date Analyzed: 2007-03-05 | Analyzed By: ss
Prep Batch: 30595 | QC Preparation: 2007-03-05 | Prepared By: ss

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO [14]	7.58	mg/Kg	1	10.0	7.58	0	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO [15]	7.64	mg/Kg	1	10.0	7.58	0	10 - 141.5	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

continued ...

[14] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[15] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control

matrix spikes continued ...

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.696	0.688	mg/Kg	1	1	70	69	40 - 125.3
4-Bromofluorobenzene (4-BFB)	1.24	1.20	mg/Kg	1	1	124	120	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 118076

QC Batch: 35249 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30597 QC Preparation: 2007-03-05 Prepared By: ss

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[16]	1.17	mg/Kg	1	1.00	<0.00110	117	64.4 - 115.7
Toluene		1.21	mg/Kg	1	1.00	<0.00150	121	57.8 - 124.4
Ethylbenzene		1.24	mg/Kg	1	1.00	<0.00160	124	64.8 - 125.8
Xylene	[17]	3.81	mg/Kg	1	3.00	0.1083	123	65.2 - 121.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.01	mg/Kg	1	1.00	<0.00110	101	64.4 - 115.7	15	20
Toluene	1.07	mg/Kg	1	1.00	<0.00150	107	57.8 - 124.4	12	20
Ethylbenzene	1.10	mg/Kg	1	1.00	<0.00160	110	64.8 - 125.8	12	20
Xylene	3.36	mg/Kg	1	3.00	0.1083	108	65.2 - 121.8	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.888	0.883	mg/Kg	1	1	89	88	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	0.970	0.939	mg/Kg	1	1	97	94	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 118080

QC Batch: 35250 Date Analyzed: 2007-03-05 Analyzed By: ss
Prep Batch: 30596 QC Preparation: 2007-03-05 Prepared By: ss

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[18]	1.17	mg/Kg	1	1.00	<0.00110	117	64.4 - 115.7
Toluene		1.22	mg/Kg	1	1.00	<0.00150	122	57.8 - 124.4
Ethylbenzene	[19]	1.26	mg/Kg	1	1.00	<0.00160	126	64.8 - 125.8
Xylene	[20]	3.82	mg/Kg	1	3.00	0.0421	126	65.2 - 121.8

[16] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[17] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[18] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[19] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[20] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[21]	1.18	mg/Kg	1	1.00	<0.00110	118	64.4 - 115.7	1	20
Toluene		1.23	mg/Kg	1	1.00	<0.00150	123	57.8 - 124.4	1	20
Ethylbenzene	[22]	1.28	mg/Kg	1	1.00	<0.00160	128	64.8 - 125.8	2	20
Xylene	[23]	3.89	mg/Kg	1	3.00	0.0421	128	65.2 - 121.8	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.863	0.873	mg/Kg	1	1	86	87	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	0.985	0.982	mg/Kg	1	1	98	98	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 118080

QC Batch: 35251 | Date Analyzed: 2007-03-05 | Analyzed By: ss
Prep Batch: 30598 | QC Preparation: 2007-03-05 | Prepared By: ss

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.56	mg/Kg	1	10.0	1.441	61	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.90	mg/Kg	1	10.0	1.441	74	10 - 141.5	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.652	0.672	mg/Kg	1	1	65	67	40 - 125.3
4-Bromofluorobenzene (4-BFB)	1.18	1.15	mg/Kg	1	1	118	115	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 118076

QC Batch: 35275 | Date Analyzed: 2007-03-06 | Analyzed By: WR
Prep Batch: 30615 | QC Preparation: 2007-03-05 | Prepared By: WR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	269	mg/Kg	1	250	<9.07	108	11.7 - 152.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	260	mg/Kg	1	250	<9.07	104	11.7 - 152.3	3	20

[21] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[22] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[23] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	198	176	mg/Kg	1	150	132	117	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 118078

QC Batch: 35291 Date Analyzed: 2007-03-06 Analyzed By: ss
Prep Batch: 30598 QC Preparation: 2007-03-05 Prepared By: ss

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	[24]	258	mg/Kg	10	100	258	0	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	[25]	322	mg/Kg	10	100	258	0	10 - 141.5	22	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		8.08	7.61	mg/Kg	10	10	81	76	40 - 125.3
4-Bromofluorobenzene (4-BFB)	[26]	12.2	16.9	mg/Kg	10	10	122	169	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 118080

QC Batch: 35363 Date Analyzed: 2007-03-07 Analyzed By: AR
Prep Batch: 30693 QC Preparation: 2007-03-06 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	90.2	mg/Kg	5	62.5	28.452	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	90.5	mg/Kg	5	62.5	28.452	99	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118083

QC Batch: 35364 Date Analyzed: 2007-03-08 Analyzed By: AR
Prep Batch: 30694 QC Preparation: 2007-03-07 Prepared By: AR

[24] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[25] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[26] High surrogate recovery due to peak interference.

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[27]	182	mg/Kg	5	62.5	29.0917	245	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[28]	81.0	mg/Kg	5	62.5	29.0917	83	90 - 110	77	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118088

QC Batch: 35365 Date Analyzed: 2007-03-08 Analyzed By: AR
Prep Batch: 30695 QC Preparation: 2007-03-07 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	92.6	mg/Kg	5	62.5	33.8897	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	94.3	mg/Kg	5	62.5	33.8897	97	90 - 110	2	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 35248 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.01	101	85 - 115	2007-03-05

Standard (CCV-1)

QC Batch: 35248 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.00	100	85 - 115	2007-03-05

Standard (ICV-1)

QC Batch: 35249 Date Analyzed: 2007-03-05 Analyzed By: ss

[27] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[28] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0961	96	85 - 115	2007-03-05
Toluene		mg/Kg	0.100	0.0978	98	85 - 115	2007-03-05
Ethylbenzene		mg/Kg	0.100	0.0980	98	85 - 115	2007-03-05
Xylene		mg/Kg	0.300	0.298	99	85 - 115	2007-03-05

Standard (CCV-1)

QC Batch: 35249 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0954	95	85 - 115	2007-03-05
Toluene		mg/Kg	0.100	0.0979	98	85 - 115	2007-03-05
Ethylbenzene		mg/Kg	0.100	0.0965	96	85 - 115	2007-03-05
Xylene		mg/Kg	0.300	0.293	98	85 - 115	2007-03-05

Standard (ICV-1)

QC Batch: 35250 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0971	97	85 - 115	2007-03-05
Toluene		mg/Kg	0.100	0.0987	99	85 - 115	2007-03-05
Ethylbenzene		mg/Kg	0.100	0.0979	98	85 - 115	2007-03-05
Xylene		mg/Kg	0.300	0.296	99	85 - 115	2007-03-05

Standard (CCV-1)

QC Batch: 35250 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0932	93	85 - 115	2007-03-05
Toluene		mg/Kg	0.100	0.0954	95	85 - 115	2007-03-05
Ethylbenzene		mg/Kg	0.100	0.0909	91	85 - 115	2007-03-05
Xylene		mg/Kg	0.300	0.279	93	85 - 115	2007-03-05

Standard (ICV-1)

QC Batch: 35251 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.08	108	85 - 115	2007-03-05

Standard (CCV-1)

QC Batch: 35251 Date Analyzed: 2007-03-05 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.949	95	85 - 115	2007-03-05

Standard (ICV-1)

QC Batch: 35275 Date Analyzed: 2007-03-06 Analyzed By: WR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	230	92	85 - 115	2007-03-06

Standard (CCV-1)

QC Batch: 35275 Date Analyzed: 2007-03-06 Analyzed By: WR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	264	106	85 - 115	2007-03-06

Standard (CCV-2)

QC Batch: 35275 Date Analyzed: 2007-03-06 Analyzed By: WR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	250	100	85 - 115	2007-03-06

Standard (ICV-1)

QC Batch: 35291 Date Analyzed: 2007-03-06 Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2007-03-06

Standard (CCV-1)

QC Batch: 35291 Date Analyzed: 2007-03-06 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.07	107	85 - 115	2007-03-06

Standard (ICV-1)

QC Batch: 35363 Date Analyzed: 2007-03-07 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.0	96	90 - 110	2007-03-07

Standard (CCV-1)

QC Batch: 35363 Date Analyzed: 2007-03-07 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.6	93	90 - 110	2007-03-07

Standard (ICV-1)

QC Batch: 35364 Date Analyzed: 2007-03-08 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.0	96	90 - 110	2007-03-08

Standard (CCV-1)

QC Batch: 35364 Date Analyzed: 2007-03-08 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.4	91	90 - 110	2007-03-08

Standard (ICV-1)

QC Batch: 35365 Date Analyzed: 2007-03-08 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.4	92	90 - 110	2007-03-08

Standard (CCV-1)

QC Batch: 35365 Date Analyzed: 2007-03-08 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	11.4	91	90 - 110	2007-03-08

WO # 7030522

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Rhombus Operating
SITE MANAGER: William Green
PROJECT NO.: 6-0145
PROJECT NAME: NW Eumont Unit Well #104
PAGE 1 OF
LAB. PO # 7030522

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	BTEX 8021	TPH 8015M	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
3/2	1032		X		SB-1 @ 0-1'	1	X	X	X	118075	
3/2	1042		X		SB-1 @ 5-6'	1	X	X	X	076	
3/2	1115		X		SB-1 @ 20-21'	1	X	X	X	077	
3/2	125		X		SB-2 @ 0-1'	1	X	X	X	078	
3/2	139		X		SB-2 @ 5-6'	1	X	X	X	079	
3/2	155		X		SB-2 @ 20-21'	1	X	X	X	080	
3/2	220		X		SB-3 @ 0-1'	1	X	X	X	081	
3/2	238		X		SB-3 @ 7-8'	1	X	X	X	082	
3/2	252		X		SB-3 @ 15-16'	1	X	X	X	083	
3/2	318		X		SB-4 @ 0-1'	1	X	X	X	084	
3/2	328		X		SB-4 @ 5-6'	1	X	X	X	085	
3/2	344		X		SB-4 @ 15-16'	1	X	X	X	086	Report TRRP-NO checklist include case narrative. TWD
3/2	410		X		SB-5 @ 0-1'	1	X	X	X	087	
3/2	425		X		SB-5 @ 7-8'	1	X	X	X	088	
3/2	436		X		SB-5 @ 15-16'	1	X	X	X	089	
3/2	448		X		SB-6 @ 0-1'	1	X	X	X	090	
3/2	459		X		SB-6 @ 7-8'	1	X	X	X	091	
3/2	513		X		SB-6 @ 15-16'	1	X	X	X	092	

SAMPLED BY: (Signature) DATE: 3/2/07 TIME: 8:32 AM
RELINQUISHED BY: (Signature) DATE: 3/5/07 TIME: 9:40
RECEIVED BY: (Signature) DATE: 3/5/07 TIME: 8:32
RELINQUISHED BY: (Signature) DATE: 3/5/07 TIME: 9:40
RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED: Std

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: TRACE ANALYSIS
ADDRESS:
CITY: MIDLAND STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 3-5-07 TIME: 9:40

SAMPLE CONDITION WHEN RECEIVED: 1.4°C, good, intact on ice

LA CONTACT PERSON: Michelle Green

SAMPLE TYPE: Soil

all tests - Midland

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Rhombus Operating
SITE MANAGER: William Green
PROJECT NO.: 6-0145
PROJECT NAME: NW Eumont Unit Well #104
PAGE 1 OF
LAB. PO # 7030522

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: BTEX 8021	TPH 8015M	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
3/2	1032		X		SB-1 @ 0-1'	1	X	X	X	118075	
3/2	1042		X		SB-1 @ 5-6'	1	X	X	X	076	
3/2	1115		X		SB-1 @ 20-21'	1	X	X	X	077	
3/2	125		X		SB-2 @ 0-1'	1	X	X	X	078	
3/2	139		X		SB-2 @ 5-6'	1	X	X	X	079	
3/2	155		X		SB-2 @ 20-21'	1	X	X	X	080	
3/2	220		X		SB-3 @ 0-1'	1	X	X	X	081	
3/2	238		X		SB-3 @ 7-8'	1	X	X	X	082	
3/2	252		X		SB-3 @ 15-16'	1	X	X	X	083	
3/2	318		X		SB-4 @ 0-1'	1	X	X	X	084	
3/2	328		X		SB-4 @ 5-6'	1	X	X	X	085	
3/2	344		X		SB-4 @ 15-16'	1	X	X	X	086	Report TRRP-NO Checklist, include case Narrative. TNB
3/2	410		X		SB-5 @ 0-1'	1	X	X	X	087	
3/2	425		X		SB-5 @ 7-8'	1	X	X	X	088	
3/2	436		X		SB-5 @ 15-16'	1	X	X	X	089	
3/2	448		X		SB-6 @ 0-1'	1	X	X	X	090	
3/2	459		X		SB-6 @ 7-8'	1	X	X	X	091	
3/2	513		X		SB-6 @ 15-16'	1	X	X	X	092	

SAMPLED BY: (Signature) DATE: 3/2/07 TIME: 3:32 PM
RELINQUISHED BY: (Signature) DATE: 3/5/07 TIME: 9:40
RELINQUISHED BY: (Signature) DATE: 3/5/07 TIME: 832
RECEIVED BY: (Signature) DATE: _____ TIME: _____
RECEIVED BY: (Signature) DATE: 3/5/07 TIME: 8:32

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #: _____
HAND DELIVERED UPS OTHER: _____

COMMENTS:

TURNAROUND TIME NEEDED: Std

RECEIVING LABORATORY: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT: _____ PHONE: _____
RECEIVED BY: (Signature)
DATE: 3-5-07 TIME: 9:40

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED: 1.4°C, good, intact on ice

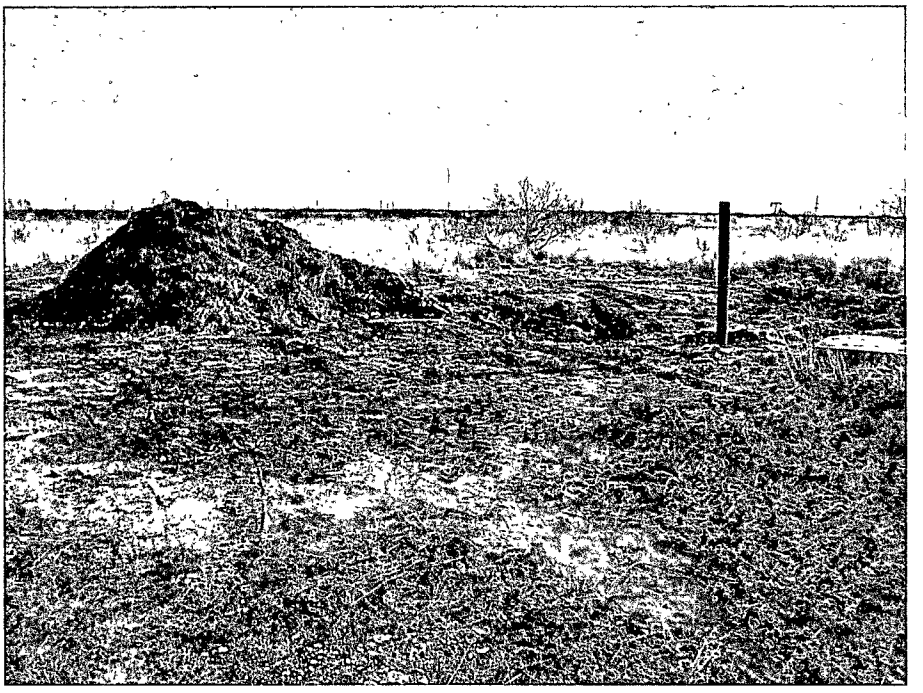
LA CONTACT PERSON: Michelle Green

SAMPLE TYPE: Soil

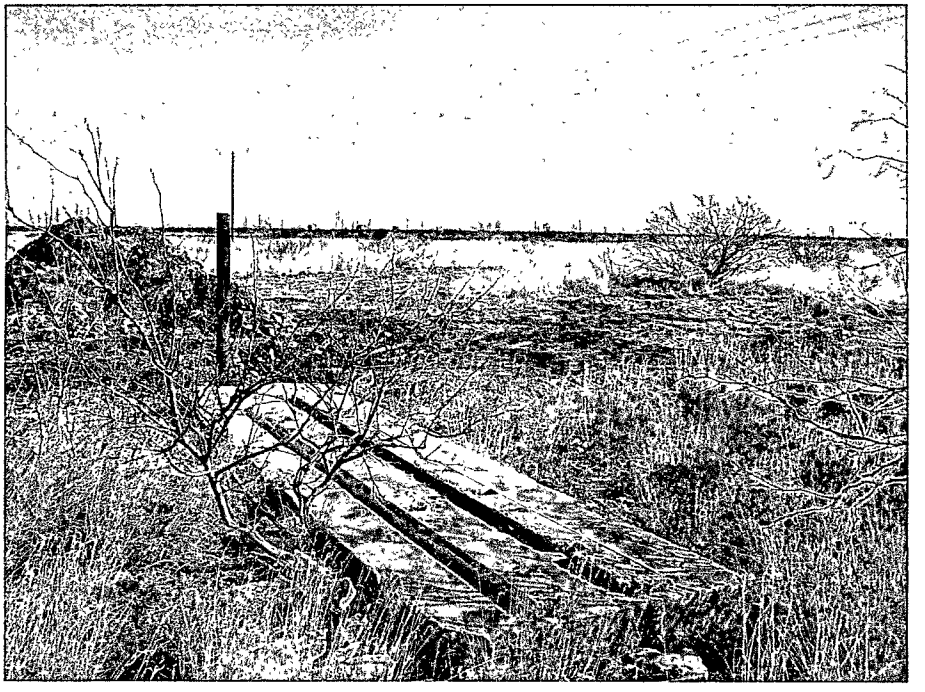
APPENDIX D

Photographs

CHEVRON NORTH AMERICA EXPLORATION AND PRODUCTION COMPANY
NW EUMONT UNIT WELL #104

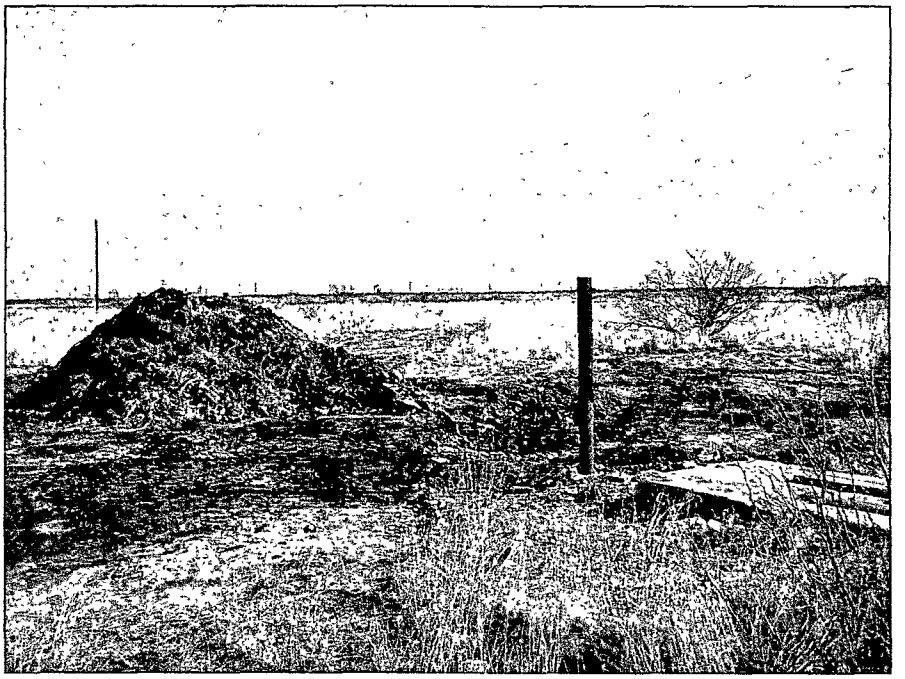


1. NW Eumont Unit Well #104 Spill Area Looking South.

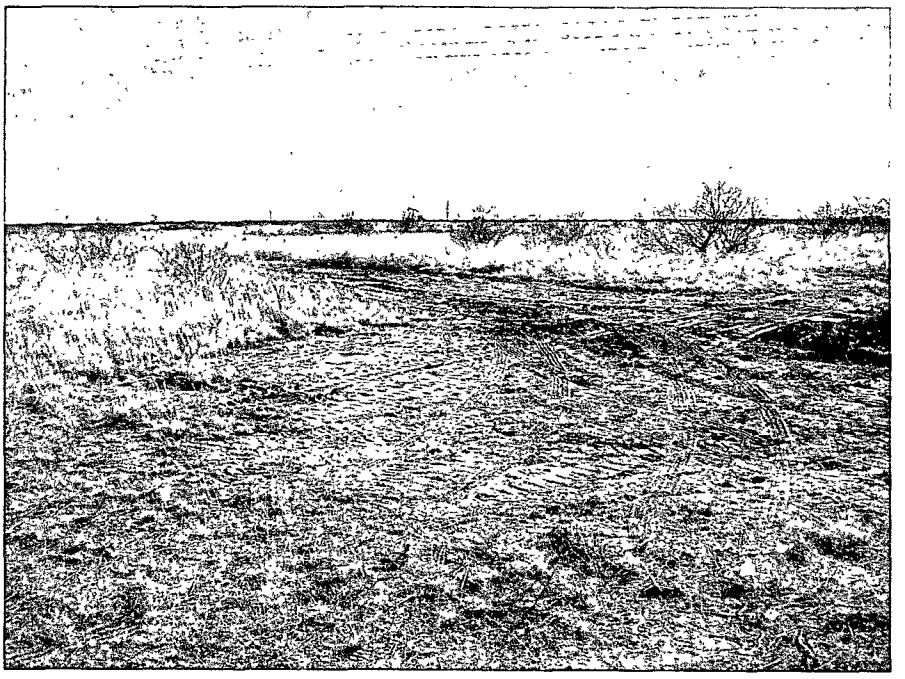


2. NW Eumont Unit Well #104 Spill Area Looking East.

CHEVRON NORTH AMERICA EXPLORATION AND PRODUCTION COMPANY
NW EUMONT UNIT WELL #104



3. NW Eumont Unit Well #104 Spill Area Looking Southeast.



4. NW Eumont Unit Well #104 Spill Area Looking South.

CHEVRON NORTH AMERICA EXPLORATION AND PRODUCTION COMPANY
NW EUMONT UNIT WELL #104

5. NW Eumont Unit Well #104 Spill Area Looking South.

APPENDIX E

Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company – RHOMBUS OPERATING CO LTD	Contact – MABRY KNIFFEN-WINGO
Address – PO BOX 8316, MIDLAND, TX 79708	Telephone No. – 432-683-8873
Facility Name – NORTHWEST EUMONT UNIT #104	Facility Type – INJECTION WELL

Surface Owner: State	Mineral Owner: State	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	14	19-S	36-E	660	NORTH	1980	WEST	LEA

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release – SALT WATER	Volume of Release - Unknown	Volume Recovered - < 1 BBL
Source of Release – INJECTION LINE	Date and Hour of Occurrence – Unknown	Date and Hour of Discovery- 12/16/06 9:00 am
Was Immediate Notice Given? x Yes ☐ No ☐ Not Required	If YES, To Whom? Gary Wink	
By Whom? Don Harmon	Date and Hour12/16/06 3:00 pm	
Was a Watercourse Reached? ☐ Yes x No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
HOLE IN INJECTION LINE. DUG UP AND REPAIRED INJECTION LINE.

Describe Area Affected and Cleanup Action Taken.*
20' X 30' AROUND WELLHEAD, RUNOFF 50 YARDS INTO CATTLE TRAIL. NO ACTION TAKEN YET – WAITING ON STATE APPROVAL. PLAN ON DIGGING OUT NEWLY CONTAMINATED DIRT, HAULING IT TO AN APPROVED DISPOSAL SITE, AND REPLACING IT WITH FRESH DIRT.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name:	Approved by District Supervisor: Chris Williams	
Title:	Approval Date: 1/17/08	Expiration Date: 4/18/08
E-mail Address:	Conditions of Approval: Please sign for operator.	Attached ☐
Date: Phone:		

* Attach Additional Sheets If Necessary