Larson & Associates, Inc.
Environmental Consultants

February 22, 2007

VIA: HAND DELIVERY

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division – District I
1625 North French Drive
Hobbs, New Mexico 88240

Re: 1RP-955 - John H. Hendrix Corporation, Toni #1 Tank Battery, Unit H (SE/4, NE/4), Section 22, Township 19 South, Range 38 East, Lea County, New Mexico

Dear Mr. Johnson:

This report is submitted to the New Mexico Oil Conservation Division (NMOCD) on behalf of John H. Hendrix Corporation (JHHC) by Larson and Associates Inc. (LA), its agent, and presents the results of delineation and remediation soil samples from a crude oil and produced water spill that occurred at the Toni #1 battery (Site) located in unit H (SE/4, NE/4), Section 22, Township 19 South, Range 38 East, in Lea County, New Mexico. The Site is located at latitude 32° 38' 50.7" north and longitude 103° 07' 47.7" west. Figure 1 presents a location and topographic map. Figure 2 presents a Site drawing. Contact information for JHHC is as follows:

Name:	Mr. Marvin Burrows
Title:	Production Manager
	John H. Hendrix Corporation
Address:	1310 18th Street
	Eunice, New Mexico 88231
Telephone:	(505) 394-2649
Cell:	(505) 390-9689
Email:	mburrows@valornet.com

Setting

The Site is located about 6 miles south of Hobbs, New Mexico, at an elevation of approximately 3,600 feet above mean sea level (MSL). No surface water (i.e., stream, river, lake, pond, and arroyo) is located within 1,000 horizontal feet of the Site. The U.S.G.S. 7.5-minute topographic series map for the Hobbs West, New Mexico quadrangle (1969) show a stock well (windmill) about 1,200 feet southwest of the Site. Information from the New Mexico State Engineer (NMSE) indicates that ground water occurs at approximately 50 feet below ground surface (bgs) in the vicinity of the Site. The Site is underlain by wind-blown sand, which overlies the Tertiary-age Ogallala formation and the Triassic-age Chinle formation, in descending order. The Ogallala formation consists of unconsolidated to consolidated deposits of sand, silt and gravel. A layer of indurated calcium carbonate (caliche) is typically present above the Ogallala formation. The Chinle formation consists of mudstone, shale and sandstone. The Chinle formation is commonly referred to as "red bed".

RP#955

Chronology

The spill occurred on July 10, 2006, after a near-empty oil tank was struck by lightening and spilled approximately 15 barrels (bbl) of crude oil and 30 bbl of produced water. A vacuum truck recovered approximately 10 bbl of oil and 20 bbl of water resulting in a loss of approximately 5 bbl of oil and 10 bbl of water. JHHC immediately notified the NMOCD and submitted form C-141 on July 11, 2006.

On July 18, 2006, LA submitted a letter to the NMOCD that provided a remediation plan to excavate and transport the contaminated soil to the JHHC centralized landfarm (NM-021-0021) located in Section 15, Township 24 South, Range 36 East, in Lea County, New Mexico. Soil was excavated to a maximum depth of approximately seventeen (17) feet bgs and about 2,900 cubic yards of soil was hauled the landfarm.

On January 24, 2007, LA personnel collected eleven (11) soil samples (GS-1 through GS-11) from the sides and bottom of the excavation. The laboratory samples were collected in 4-ounce glass jars for laboratory analysis and 8-ounce glass jars for headspace analysis. The laboratory sample jars were filled to near zero headspace, labeled, chilled in an ice chest, and hand delivered under chain-of-custody control to Trace Analysis, Inc., located at 5002 Basin Street, in Midland, Texas. The headspace sample jars were filled to approximately 2/3rds full, sealed with a layer of aluminum foil, capped and analyzed using a RAE Instruments, Model 2000 photoionization detector (PID) that was calibrated 100 parts per million (ppm) isobutylene. No PID readings exceeded 100 ppm, therefore, the laboratory analyzed the samples for total petroleum hydrocarbons (TPH) using method SW-846-8015B, including gasoline range organics (GRO), diesel range organics (DRO) and chloride using method 300. Table 1 presents a summary of the remediation soil samples. Appendix A presents the laboratory reports. Appendix B presents photographs.

Referring to Table 1, all samples were below the test method detection limits of 51 milligrams per kilogram (mg/Kg) for TPH. Chloride was less than 250 mg/Kg in all samples, except GS-2 (715 mg/Kg) from the east side of the excavation at approximately 13 feet bgs, GS-3 (1,470 mg/Kg) from the east side of the excavation at approximately 17 feet bgs, GS-4 (1,950 mg/Kg) from the south side of the excavation at approximately 15 feet bgs and GS-11 (339 mg/Kg) from the north side of the excavation (ramp) at approximately 10 feet bgs.

On February 1, 2007, LA personnel collected delineation samples at three (3) locations (TH-1, TH-2 and TH-3) using a track-hoe. Samples were from each location at approximately 1, 5, 10 and 15 feet bgs. Trace Analysis, Inc. analyzed the samples for chloride using method 300. Table 2 presents a summary of the delineation soil samples. Figure 2 presents the sample locations. Appendix A presents the laboratory reports.

Referring to Table 2, chloride decreased below 250 mg/Kg in samples from approximately fifteen (15) feet bgs at locations TH-1 and TH-2 located east and southeast of the excavation. Chloride was 511 mg/Kg in the sample from 15 feet bgs at location TH-3 located south of the excavation.

Conclusion

The NMOCD has established soil remediation action levels (RRAL) for benzene, total BTEX (sum of benzene, toluene, ethylbenzne and xylenes) and TPH resulting from spills of natural gas liquids ("Guidelines for remediation of Leaks, Spills and Releases, August 13, 1993"). The following RRAL were calculated for the Site:

Benzene	**10 mg/kg**
Total BTEX	**50 mg/kg**
TPH	**100 mg/kg**

The Site has been successfully remediated to the RRAL established by the NMOCD for benzene, BTEX and TPH. JHHC wishes to close the excavation according to the requirements of the NMOCD. Please contact Mr. Marvin Burrows with JHHC at (505) 394-2649 or email mburrows@valornet.com. I may be reached with questions at (432) 687-0901 or email mark@laenvironmental.com. Appendix C presents the final C-141.

Sincerely,

Larson & Associates, Inc.

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

Encl.

cc: Marvin Burrows/JHHC
Ron Westbrook/JHHC

Tables

507 North Marienfeld, Suite 202 ◆ Midland, Texas 79701 ◆ Ph. (432) 687-0901 ◆ Fax (432) 687-0456

Table 1

1RP-955

Summary of Laboratory Analysis of Remediation Soil Samples

John H. Hendrix Corporation, Toni #1 Tank Battery

Unit H (SE/4,NE/4), Section 22, Township 19 South, Range 38 East

Lea County, New Mexico

Sample	Date	Depth (Feet BGS)	PID (ppm)	GRO C6 - C10 (mg/Kg)	DRO C10 - C28 (mg/Kg)	TPH C6 - C28 (mg/Kg)	Chloride (mg/Kg)
RRAL:						**100**	
GS-1	01/24/07	9	0.2	<1	<50	<51	194
GS-2	01/24/07	13	0.5	<1	<50	<51	715
GS-3	01/24/07	17	0.1	<1	<50	<51	1,470
GS-4	01/24/07	15	0.7	<1	<50	<51	1,950
GS-5	01/24/07	13	0.7	<1	<50	<51	15
GS-6	01/24/07	10	ND	<1	<50	<51	52
GS-7	01/24/07	9	0.8	<1	<50	<51	167
GS-8	01/24/07	3	0.1	<1	<50	<51	62
GS-9	01/24/07	3	0.1	<1	<50	<51	64
GS-10	01/24/07	17	0.1	<1	<50	<51	137
GS-11	01/24/07	10	0.1	<1	<50	<51	339

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

Results reported in milligrams per kilogram (mg/Kg)

1. BGS: Depth in feet below ground surface
2. GRO: Gasoline - range organics
3. DRO: Diesel - range organics
4. TPH: Total Petroleum Hydrocarbons (Sum of GRO + DRO)
5. <: Less than method detection limit
6. --: No data available
7. ND: Non-detect

Table 2

1RP-955

Summary of Laboratory Analysis of Remediation Soil Samples

John H. Hendrix Corporation, Toni #1 Tank Battery

Unit H (SE/4,NE/4), Section 22, Township 19 South, Range 38 East

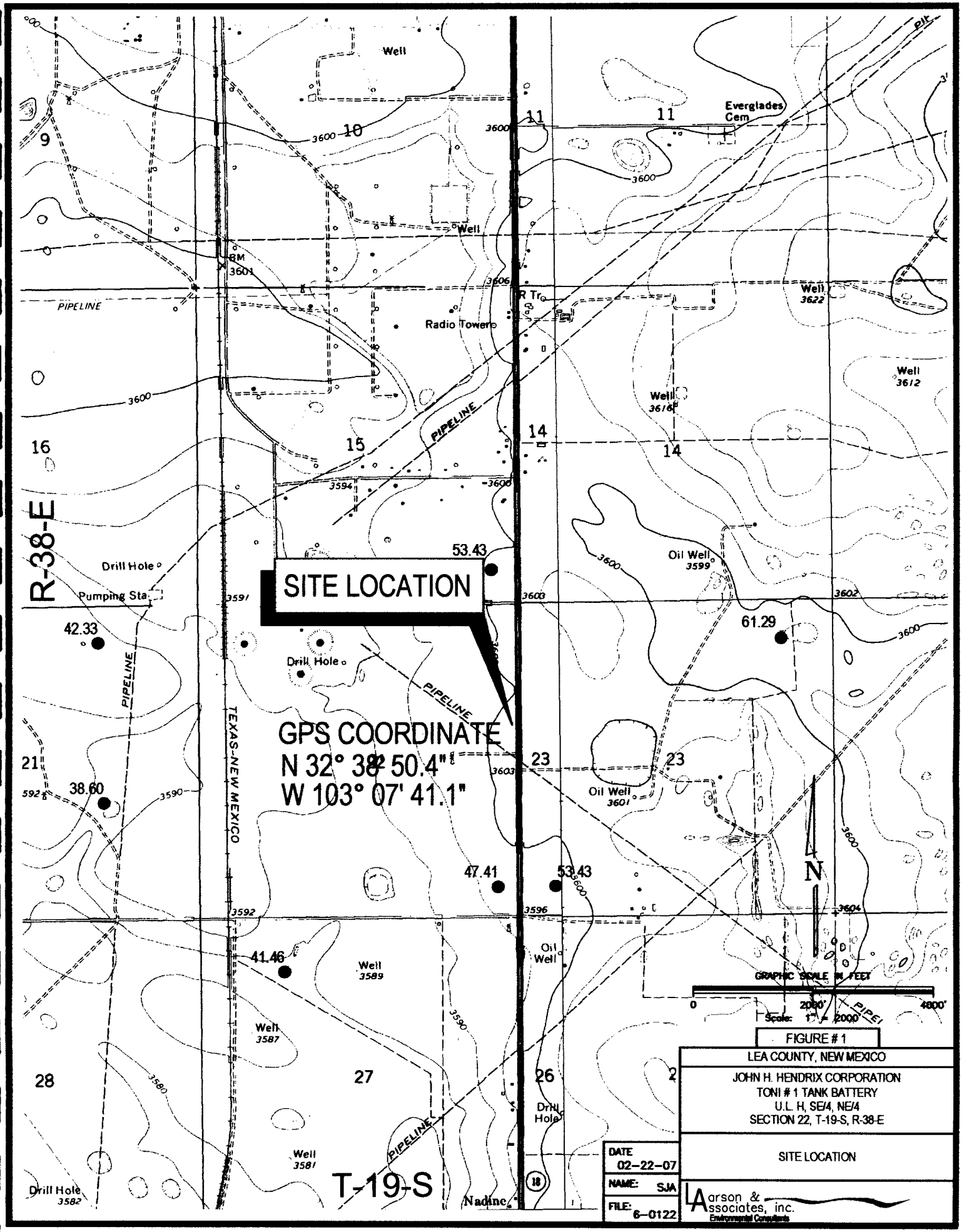
Lea County, New Mexico

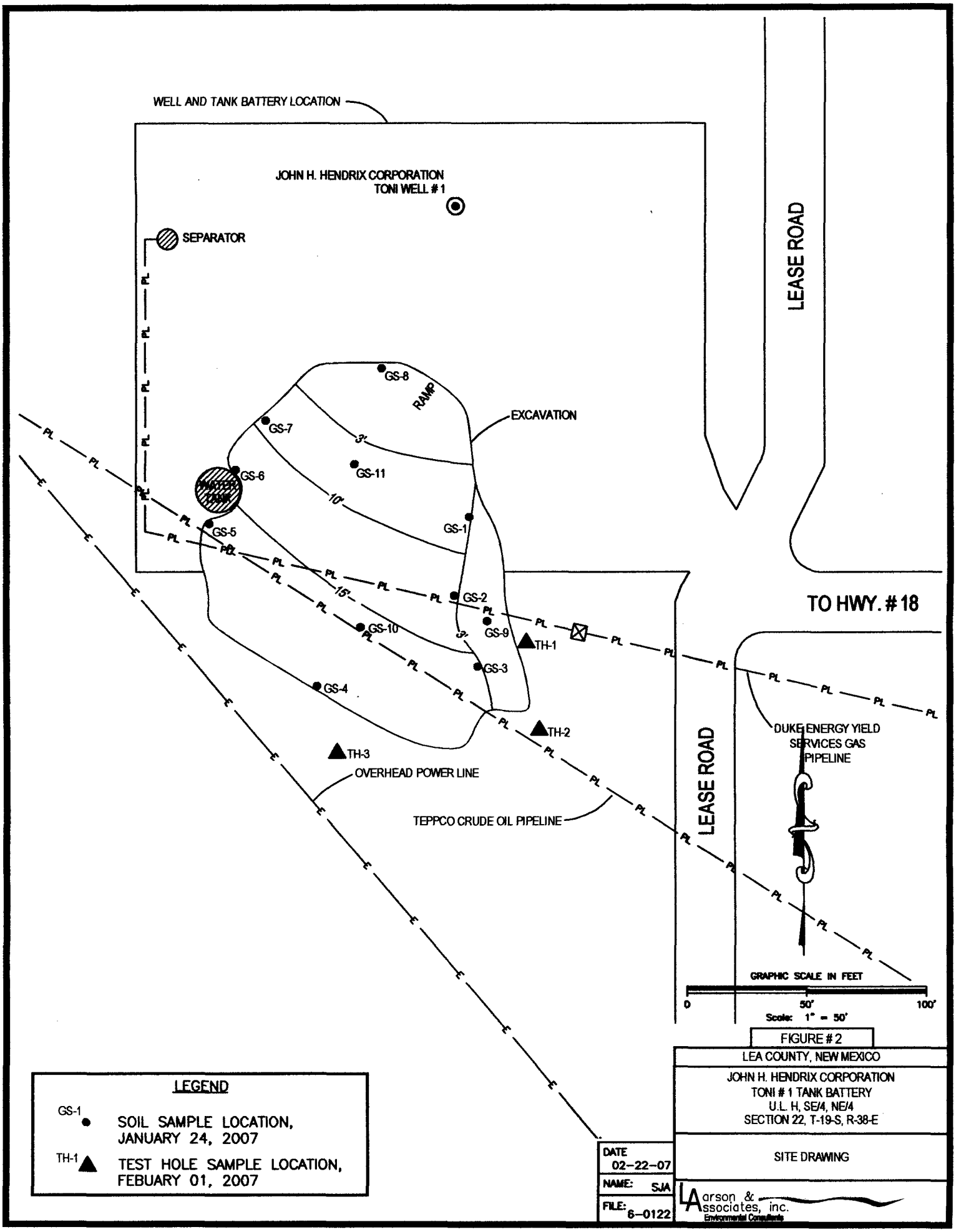
Sample	Date	Depth (Feet BGS)	Chloride (mg/Kg)
TH-1	02/01/2007	1	728
	02/01/2007	5	440
	02/01/2007	10	477
	02/01/2007	15	15.9
TH-2	02/01/2007	1	48.4
	02/01/2007	5	461
	02/01/2007	10	610
	02/01/2007	15	34.7
TH-3	02/01/2007	1	34.7
	02/01/2007	5	162
	02/01/2007	10	452
	02/01/2007	15	511

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

1. BGS: Depth in feet below ground surface

Figures


SITE LOCATION
GPS COORDINATE
N 32° 38' 50.4"
W 103° 07' 41.1"
R-38-E
T-19-S
TEXAS-NEW MEXICO
PIPELINE
Well
Everglades Cem
Radio Tower
Drill Hole
Pumping Sta
Oil Well
53.43
42.33
61.29
38.60
47.41
41.46
GRAPHIC SCALE IN FEET
0
2000'
4000'
Scale: 1" = 2000'
N
FIGURE # 1
LEA COUNTY, NEW MEXICO
JOHN H. HENDRIX CORPORATION
TONI # 1 TANK BATTERY
U.L. H, SE/4, NE/4
SECTION 22, T-19-S, R-38-E
SITE LOCATION
DATE 02-22-07
NAME: SJA
FILE: 6-0122
Larson & Associates, inc.
Environmental Consultants


WELL AND TANK BATTERY LOCATION
JOHN H. HENDRIX CORPORATION
TONI WELL # 1
SEPARATOR
LEASE ROAD
GS-8
RAMP
EXCAVATION
GS-7
3'
GS-11
GS-6
WATER TANK
10'
GS-1
GS-5
15'
GS-2
GS-10
3'
GS-9
TH-1
GS-3
GS-4
TH-2
TH-3
OVERHEAD POWER LINE
TEPPCO CRUDE OIL PIPELINE
TO HWY. # 18
LEASE ROAD
DUKE ENERGY YIELD SERVICES GAS PIPELINE
GRAPHIC SCALE IN FEET
0
50'
100'
Scale: 1" = 50'
LEGEND
GS-1 SOIL SAMPLE LOCATION, JANUARY 24, 2007
TH-1 TEST HOLE SAMPLE LOCATION, FEBUARY 01, 2007
FIGURE # 2
LEA COUNTY, NEW MEXICO
JOHN H. HENDRIX CORPORATION
TONI # 1 TANK BATTERY
U.L. H, SE/4, NE/4
SECTION 22, T-19-S, R-38-E
SITE DRAWING
DATE 02-22-07
NAME: SJA
FILE: 6-0122
Larson & Associates, inc.
Environmental Consultants

Appendix A

Laboratory Reports

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: February 5, 2007

Work Order: 7020214

Project Name: Toni #1 TB
Project Number: 6-0122

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
115413	TH-1 (1')	soil	2007-02-01	12:40	2007-02-02
115414	TH-1 (5')	soil	2007-02-01	12:44	2007-02-02
115415	TH-1 (10')	soil	2007-02-01	12:51	2007-02-02
115416	TH-1 (15')	soil	2007-02-01	13:11	2007-02-02
115418	TH-2 (1')	soil	2007-02-01	11:57	2007-02-02
115419	TH-2 (5')	soil	2007-02-01	12:01	2007-02-02
115420	TH-2 (10')	soil	2007-02-01	12:06	2007-02-02
115421	TH-2 (15')	soil	2007-02-01	12:15	2007-02-02
115423	TH-3 (1')	soil	2007-02-01	10:15	2007-02-02
115424	TH-3 (5')	soil	2007-02-01	10:20	2007-02-02
115425	TH-3 (10')	soil	2007-02-01	10:26	2007-02-02
115426	TH-3 (15')	soil	2007-02-01	10:35	2007-02-02

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: 115413 - TH-1 (1')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34290	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29756	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride	B	**11.5**		mg/Kg	5	1.00

Sample: 115414 - TH-1 (5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34290	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29756	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**728**		mg/Kg	50	1.00

Sample: 115415 - TH-1 (10')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**440**		mg/Kg	10	1.00

Sample: 115416 - TH-1 (15')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**477**		mg/Kg	50	1.00

Sample: 115418 - TH-2 (1')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride	B	**15.9**	mg/Kg	5	1.00

Sample: 115419 - TH-2 (5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**48.4**	mg/Kg	5	1.00

Sample: 115420 - TH-2 (10')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**461**	mg/Kg	50	1.00

Sample: 115421 - TH-2 (15')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**610**	mg/Kg	50	1.00

Sample: 115423 - TH-3 (1')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34292	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29758	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**34.7**	mg/Kg	5	1.00

Sample: 115424 - TH-3 (5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34292	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29758	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**162**	mg/Kg	5	1.00

Sample: 115425 - TH-3 (10')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34292	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29758	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**452**	mg/Kg	10	1.00

Sample: 115426 - TH-3 (15')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34292	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29758	Sample Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**511**	mg/Kg	100	1.00

Matrix Blank (1) QC Batch: 34290

QC Batch:	34290	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29756	QC Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		2.04	mg/Kg	1

Matrix Blank (1) QC Batch: 34291

QC Batch:	34291	Date Analyzed:	2007-02-05	Analyzed By:	AR
Prep Batch:	29757	QC Preparation:	2007-02-02	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		1.90	mg/Kg	1

Matrix Blank (1) QC Batch: 34292

QC Batch: 34292 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29758 QC Preparation: 2007-02-02 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		1.90	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 34290 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29756 QC Preparation: 2007-02-02 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.8	mg/Kg	1	12.5	2.3	110	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	13.6	mg/Kg	1	12.5	2.3	109	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: 34291 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29757 QC Preparation: 2007-02-02 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.7	mg/Kg	1	12.5	1.6022	110	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	13.6	mg/Kg	1	12.5	1.6022	109	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: 34292 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29758 QC Preparation: 2007-02-02 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.8	mg/Kg	1	12.5	1.6	110	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	13.7	mg/Kg	1	12.5	1.6	110	90 - 110	1	

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

Matrix Spike (MS-1) Spiked Sample: 115414

QC Batch: 34290 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29756 QC Preparation: 2007-02-02 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1310	mg/Kg	50	625	727.824	93	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	1390	mg/Kg	50	625	727.824	106	90 - 110	6	

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

Matrix Spike (MS-1) Spiked Sample: 115421

QC Batch: 34291 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29757 QC Preparation: 2007-02-02 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1200	mg/Kg	50	625	610.46	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	1180	mg/Kg	50	625	610.46	91	90 - 110	2	

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

Matrix Spike (MS-1) Spiked Sample: 115426

QC Batch: 34292 Date Analyzed: 2007-02-05 Analyzed By: AR
Prep Batch: 29758 QC Preparation: 2007-02-02 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1700	mg/Kg	100	1250	510.98	95	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	1680	mg/Kg	100	1250	510.98	94	90 - 110	1	

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

Standard (ICV-1)

QC Batch: 34290 Date Analyzed: 2007-02-05 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	11.9	95	90 - 110	2007-02-05

Standard (CCV-1)

QC Batch: 34290 Date Analyzed: 2007-02-05 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	11.9	95	90 - 110	2007-02-05

Standard (ICV-1)

QC Batch: 34291 Date Analyzed: 2007-02-05 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	11.9	95	90 - 110	2007-02-05

Standard (CCV-1)

QC Batch: 34291 Date Analyzed: 2007-02-05 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	11.9	95	90 - 110	2007-02-05

Standard (ICV-1)

QC Batch: 34292 Date Analyzed: 2007-02-05 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	11.9	95	90 - 110	2007-02-05

Standard (CCV-1)

QC Batch: 34292 Date Analyzed: 2007-02-05 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	11.9	95	90 - 110	2007-02-05

Work Order: 7020214
Toni #1 TB

Report Date: February 5, 2007
6-0122

7020214

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: JHHC
SITE MANAGER: M. Larson
PROJECT NO.: 6-0122
PROJECT NAME: Toni #1 TB
PAGE OF
LAB. PO #

2007 DATE	~~CST~~/MST TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: Chloride	HOLD	TPH (8015)	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
2/1	~~10:15~~	12:40	X		TH-1 (1')	1	X		X	15413	grab
2/1	~~10:20~~	12:44	X		TH-1 (5')	1	X		X	14	grab
2/1	~~10:26~~	12:51	X		TH-1 (10')	1	X		X	15	grab
2/1	~~10:35~~	1:11	X		TH-1 (15')	1	X		X	16	grab
2/1		1:23	X		TH-1 (20')	1		X		17	grab
2/1	11:57		X		TH-2 (1')	1	X		X	18	grab
2/1	12:01		X		TH-2 (5')	1	X		X	19	grab
2/1	12:06		X		TH-2 (10')	1	X		X	20	grab
2/1	12:15		X		TH-2 (15')	1	X		X	21	grab
2/1	12:28		X		TH-2 ~~(20')~~ (17')	1		X		22	grab
2/1	10:15		X		TH-3 (1')	1	X		X	23	grab
2/1	10:20		X		TH-3 (5')	1	X		X	24	grab
2/1	10:26		X		TH-3 (10')	1	X		X	25	grab
2/1	10:35		X		TH-3 ~~(20')~~ (15')	1	X		X	26	grab
2/1	11:36		X		TH-3 ~~(20')~~ (16')	1		X		27	grab

SAMPLED BY: (Signature) + SA — DATE: 2/1/07 TIME: 2:00pm
RELINQUISHED BY: (Signature) — DATE: 2/2/07 TIME: 9:50am
RECEIVED BY: (Signature) — DATE: 2/2/07 TIME: 9:50am

RELINQUISHED BY: (Signature) — DATE: TIME:
RECEIVED BY: (Signature) — DATE: TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED: 24-hr TAT

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

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED: Carry In Custody Seal Intact 1.5°

LA CONTACT PERSON: Michelle Green

SAMPLE TYPE: Soil

7020214

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
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CLIENT NAME: JHHC
SITE MANAGER: M. Larson
PROJECT NO.: 6-0122
PROJECT NAME: Toni #1 TB
PAGE ___ OF ___
LAB. PO #

DATE 2007	TIME ~~CST~~ MST	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	Chloride	HOLD	TPH (8015)	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
2/1	~~10:15~~ 12:40		X		TH-1 (1')	1	X		X	115413	grab
2/1	~~10:20~~ 12:44		X		TH-1 (5')	1	X		X	14	grab
2/1	~~10:26~~ 12:51		X		TH-1 (10')	1	X		X	15	grab
2/1	~~10:35~~ 1:11		X		TH-1 (15')	1	X		X	16	grab
2/1	1:23		X		TH-1 (20')	1		X		17	grab
2/1	11:57		X		TH-2 (1')	1	X		X	18	grab
2/1	12:01		X		TH-2 (5')	1	X		X	19	grab
2/1	12:06		X		TH-2 (10')	1	X		X	20	grab
2/1	12:15		X		TH-2 (15')	1	X		X	21	grab
2/1	12:28		X		TH-2 ~~(20')~~ (17')	1		X		22	grab
2/1	10:15		X		TH-3 (1')	1	X		X	23	grab
2/1	10:20		X		TH-3 (5')	1	X		X	24	grab
2/1	10:26		X		TH-3 (10')	1	X		X	25	grab
2/1	10:35		X		TH-3 ~~(20')~~ (15')	1	X		X	26	grab
2/1	11:36		X		TH-3 ~~(20')~~ (16')	1		X		27	grab

SAMPLED BY: (Signature) [signature] + SA — DATE: 2/1/07 TIME: 2:00pm
RELINQUISHED BY: (Signature) [signature] — DATE: 2/2/07 TIME: 9:50am
RECEIVED BY: (Signature) [signature] — DATE: 2/2/07 TIME: 9:51am

RELINQUISHED BY: (Signature) — DATE: ___ TIME: ___
RECEIVED BY: (Signature) — DATE: ___ TIME: ___

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

COMMENTS:

TURNAROUND TIME NEEDED: 24-hr TAT

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

RECEIVING LABORATORY: TRACE - MIDLAND
ADDRESS:
CITY: MIDLAND STATE: ___ ZIP: ___
CONTACT: MONDO PHONE: 432-689-6301

RECEIVED BY: (Signature) Will Rasmussen
DATE: 02/02/07 TIME: 9:50 AM

SAMPLE CONDITION WHEN RECEIVED: Carry In Custody Seal Intact 1.5° [initials]

LA CONTACT PERSON: Michelle Green

SAMPLE TYPE: Soil

2/4FP

15-HS all tests - Midland

Summary Report

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

Report Date: January 29, 2007

Work Order: 7012520

Project Name: Toni #1 TB
Project Number: 6-0122

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
114584	GS-1	soil	2007-01-24	16:05	2007-01-25
114585	GS-2	soil	2007-01-24	16:10	2007-01-25
114586	GS-3	soil	2007-01-24	16:20	2007-01-25
114587	GS-4	soil	2007-01-24	16:30	2007-01-25
114588	GS-5	soil	2007-01-24	16:40	2007-01-25
114589	GS-6	soil	2007-01-24	16:45	2007-01-25
114590	GS-7	soil	2007-01-24	16:47	2007-01-25
114591	GS-8	soil	2007-01-24	16:50	2007-01-25
114592	GS-9	soil	2007-01-24	17:15	2007-01-25
114593	GS-10	soil	2007-01-24	16:55	2007-01-25
114594	GS-11	soil	2007-01-24	17:00	2007-01-25

Sample - Field Code	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
114584 - GS-1	<50.0	<1.00
114585 - GS-2	<50.0	<1.00
114586 - GS-3	<50.0	<1.00
114587 - GS-4	<50.0	<1.00
114588 - GS-5	<50.0	<1.00
114589 - GS-6	<50.0	<1.00
114590 - GS-7	<50.0	<1.00
114591 - GS-8	<50.0	<1.00
114592 - GS-9	<50.0	<1.00
114593 - GS-10	<50.0	<1.00
114594 - GS-11	<50.0	<1.00

Sample: 114584 - GS-1

Param	Flag	Result	Units	RL
Chloride		**194**	mg/Kg	1.00

Sample: 114585 - GS-2

Param	Flag	Result	Units	RL
Chloride		**715**	mg/Kg	1.00

Sample: 114586 - GS-3

Param	Flag	Result	Units	RL
Chloride		**1470**	mg/Kg	1.00

Sample: 114587 - GS-4

Param	Flag	Result	Units	RL
Chloride		**1950**	mg/Kg	1.00

Sample: 114588 - GS-5

Param	Flag	Result	Units	RL
Chloride		**14.8**	mg/Kg	1.00

Sample: 114589 - GS-6

Param	Flag	Result	Units	RL
Chloride		**52.1**	mg/Kg	1.00

Sample: 114590 - GS-7

Param	Flag	Result	Units	RL
Chloride		**167**	mg/Kg	1.00

Sample: 114591 - GS-8

Param	Flag	Result	Units	RL
Chloride		**62.3**	mg/Kg	1.00

Sample: 114592 - GS-9

Param	Flag	Result	Units	RL
Chloride		**64.1**	mg/Kg	1.00

Sample: 114593 - GS-10

Param	Flag	Result	Units	RL
Chloride		**138**	mg/Kg	1.00

Sample: 114594 - GS-11

Param	Flag	Result	Units	RL
Chloride		**339**	mg/Kg	1.00

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

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

Report Date: January 29, 2007

Work Order: 7012520

Project Name: Toni #1 TB
Project Number: 6-0122

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
114584	GS-1	soil	2007-01-24	16:05	2007-01-25
114585	GS-2	soil	2007-01-24	16:10	2007-01-25
114586	GS-3	soil	2007-01-24	16:20	2007-01-25
114587	GS-4	soil	2007-01-24	16:30	2007-01-25
114588	GS-5	soil	2007-01-24	16:40	2007-01-25
114589	GS-6	soil	2007-01-24	16:45	2007-01-25
114590	GS-7	soil	2007-01-24	16:47	2007-01-25
114591	GS-8	soil	2007-01-24	16:50	2007-01-25
114592	GS-9	soil	2007-01-24	17:15	2007-01-25
114593	GS-10	soil	2007-01-24	16:55	2007-01-25
114594	GS-11	soil	2007-01-24	17:00	2007-01-25

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.

This report consists of a total of 18 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 114584 - GS-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34003	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29523	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**194**		mg/Kg	10	1.00

Sample: 114584 - GS-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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	[1]	212	mg/Kg	1	150	141	70 - 130

Sample: 114584 - GS-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.876	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	70 - 130

Sample: 114585 - GS-2

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34003	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29523	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**715**		mg/Kg	50	1.00

[1] High surrogate recovery. Sample non-detect. result bias high.

Sample: 114585 - GS-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		145	mg/Kg	1	150	97	70 - 130

Sample: 114585 - GS-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.840	mg/Kg	1	1.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	70 - 130

Sample: 114586 - GS-3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34003	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29523	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1470**	mg/Kg	50	1.00

Sample: 114586 - GS-3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		145	mg/Kg	1	150	97	70 - 130

Sample: 114586 - GS-3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.855	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Sample: 114587 - GS-4

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34003	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29523	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1950**	mg/Kg	100	1.00

Sample: 114587 - GS-4

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		146	mg/Kg	1	150	97	70 - 130

Sample: 114587 - GS-4

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.850	mg/Kg	1	1.00	85	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Sample: 114588 - GS-5

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34004	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29524	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**14.8**	mg/Kg	5	1.00

Sample: 114588 - GS-5

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		145	mg/Kg	1	150	97	70 - 130

Sample: 114588 - GS-5

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.852	mg/Kg	1	1.00	85	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Sample: 114589 - GS-6

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34004	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29524	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**52.1**	mg/Kg	10	1.00

Sample: 114589 - GS-6

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		141	mg/Kg	1	150	94	70 - 130

Sample: 114589 - GS-6

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.865	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	1	1.00	107	70 - 130

Sample: 114590 - GS-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34004	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29524	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**167**	mg/Kg	10	1.00

Sample: 114590 - GS-7

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		122	mg/Kg	1	150	81	70 - 130

Sample: 114590 - GS-7

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.859	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	1	1.00	115	70 - 130

Sample: 114591 - GS-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34004	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29524	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**62.3**	mg/Kg	10	1.00

Sample: 114591 - GS-8

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		160	mg/Kg	1	150	107	70 - 130

Sample: 114591 - GS-8

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.853	mg/Kg	1	1.00	85	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Sample: 114592 - GS-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34005	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29525	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**64.1**	mg/Kg	10	1.00

Sample: 114592 - GS-9

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		153	mg/Kg	1	150	102	70 - 130

Sample: 114592 - GS-9

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.855	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Sample: 114593 - GS-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34005	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29525	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**138**	mg/Kg	10	1.00

Sample: 114593 - GS-10

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		152	mg/Kg	1	150	101	70 - 130

Sample: 114593 - GS-10

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

Parameter	Flag	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)		0.850	mg/Kg	1	1.00	85	70 - 130
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	70 - 130

Sample: 114594 - GS-11

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34005	Date Analyzed:	2007-01-26	Analyzed By:	AR
Prep Batch:	29525	Sample Preparation:	2007-01-25	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**339**		mg/Kg	50	1.00

Sample: 114594 - GS-11

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	33997	Date Analyzed:	2007-01-26	Analyzed By:	WR
Prep Batch:	29520	Sample Preparation:	2007-01-26	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		141	mg/Kg	1	150	94	70 - 130

Sample: 114594 - GS-11

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	Sample Preparation:		Prepared By:	ss

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.847	mg/Kg	1	1.00	85	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130

Method Blank (1) QC Batch: 33982

QC Batch:	33982	Date Analyzed:	2007-01-25	Analyzed By:	ss
Prep Batch:	29506	QC Preparation:	2007-01-25	Prepared By:	ss

Parameter	Flag	MDL Result	Units	RL
GRO		<0.829	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.926	mg/Kg	1	1.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)		0.956	mg/Kg	1	1.00	96	70 - 130

Method Blank (1) QC Batch: 33997

QC Batch: 33997 Date Analyzed: 2007-01-26 Analyzed By: WR
Prep Batch: 29520 QC Preparation: 2007-01-26 Prepared By: WR

Parameter	Flag	MDL Result	Units	RL
DRO		<15.4	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		155	mg/Kg	1	150	103	70 - 130

Matrix Blank (1) QC Batch: 34003

QC Batch: 34003 Date Analyzed: 2007-01-26 Analyzed By: AR
Prep Batch: 29523 QC Preparation: 2007-01-25 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.10	mg/Kg	1

Matrix Blank (1) QC Batch: 34004

QC Batch: 34004 Date Analyzed: 2007-01-26 Analyzed By: AR
Prep Batch: 29524 QC Preparation: 2007-01-25 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.20	mg/Kg	1

Matrix Blank (1) QC Batch: 34005

QC Batch: 34005 Date Analyzed: 2007-01-26 Analyzed By: AR
Prep Batch: 29525 QC Preparation: 2007-01-25 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.20	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 33982 | Date Analyzed: 2007-01-25 | Analyzed By: ss
Prep Batch: 29506 | QC Preparation: 2007-01-25 | Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.22	mg/Kg	1	10.0	<0.829	82	70 - 130

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	7.31	mg/Kg	1	10.0	<0.829	73	70 - 130	12	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)	1.20	0.850	mg/Kg	1	1.00	120	85	70 - 130
4-Bromofluorobenzene (4-BFB)	1.08	1.08	mg/Kg	1	1.00	108	108	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 33997 | Date Analyzed: 2007-01-26 | Analyzed By: WR
Prep Batch: 29520 | QC Preparation: 2007-01-26 | Prepared By: WR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	308	mg/Kg	1	250	<15.4	123	70 - 130

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	325	mg/Kg	1	250	<15.4	130	70 - 130	5	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	106	115	mg/Kg	1	150	71	77	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 34003 | Date Analyzed: 2007-01-26 | Analyzed By: AR
Prep Batch: 29523 | QC Preparation: 2007-01-25 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.7	mg/Kg	1	12.5	<0.0222	110	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	13.6	mg/Kg	1	12.5	<0.0222	109	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: 34004 Date Analyzed: 2007-01-26 Analyzed By: AR
Prep Batch: 29524 QC Preparation: 2007-01-25 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	14.0	mg/Kg	1	12.5	1.6	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	13.6	mg/Kg	1	12.5	1.6	96	90 - 110	3	

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: 34005 Date Analyzed: 2007-01-26 Analyzed By: AR
Prep Batch: 29525 QC Preparation: 2007-01-25 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.8	mg/Kg	1	12.5	<0.0222	110	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	13.7	mg/Kg	1	12.5	<0.0222	110	90 - 110	1	

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

Matrix Spike (MS-1) Spiked Sample: 114584

QC Batch: 33982 Date Analyzed: 2007-01-25 Analyzed By: ss
Prep Batch: 29506 QC Preparation: 2007-01-25 Prepared By: ss

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO [2]	6.26	mg/Kg	1	10.0	<0.829	63	70 - 130

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

continued ...

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

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.59	mg/Kg	1	10.0	<0.829	96	70 - 130	42	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) [3]	0.706	0.690	mg/Kg	1	1	71	69	70 - 130
4-Bromofluorobenzene (4-BFB)	1.23	1.22	mg/Kg	1	1	123	122	70 - 130

Matrix Spike (MS-1) Spiked Sample: 114584

QC Batch: 33997 Date Analyzed: 2007-01-26 Analyzed By: WR
Prep Batch: 29520 QC Preparation: 2007-01-26 Prepared By: WR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	222	mg/Kg	1	250	<15.4	89	70 - 130

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	230	mg/Kg	1	250	<15.4	92	70 - 130	4	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
n-Triacontane	166	169	mg/Kg	1	150	111	113	70 - 130

Matrix Spike (MS-1) Spiked Sample: 114586

QC Batch: 34003 Date Analyzed: 2007-01-26 Analyzed By: AR
Prep Batch: 29523 QC Preparation: 2007-01-25 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2050	mg/Kg	50	625	1474.78	92	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	2050	mg/Kg	50	625	1474.78	92	90 - 110	0	

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

[3]TFT OUT OF CONTROL LIMITS. BFB WITHIN CONTROL LIMITS AND DEMONSTRATES METHOD TO BE IN CONTROL. •

Matrix Spike (MS-1) Spiked Sample: 114591

QC Batch: 34004 | Date Analyzed: 2007-01-26 | Analyzed By: AR
Prep Batch: 29524 | QC Preparation: 2007-01-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	182	mg/Kg	10	125	62.2877	96	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	189	mg/Kg	10	125	62.2877	101	90 - 110	4	

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

Matrix Spike (MS-1) Spiked Sample: 114594

QC Batch: 34005 | Date Analyzed: 2007-01-26 | Analyzed By: AR
Prep Batch: 29525 | QC Preparation: 2007-01-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	922	mg/Kg	50	625	338.968	93	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	918	mg/Kg	50	625	338.968	93	90 - 110	0	

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

Standard (ICV-1)

QC Batch: 33982 | Date Analyzed: 2007-01-25 | 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	1.10	110	85 - 115	2007-01-25

Standard (CCV-1)

QC Batch: 33982 | Date Analyzed: 2007-01-25 | 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	1.11	111	85 - 115	2007-01-25

Standard (ICV-1)

QC Batch: 33997 Date Analyzed: 2007-01-26 Analyzed By: WR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	272	109	85 - 115	2007-01-26

Standard (CCV-1)

QC Batch: 33997 Date Analyzed: 2007-01-26 Analyzed By: WR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2007-01-26

Standard (CCV-2)

QC Batch: 33997 Date Analyzed: 2007-01-26 Analyzed By: WR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	249	100	85 - 115	2007-01-26

Standard (ICV-1)

QC Batch: 34003 Date Analyzed: 2007-01-26 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	12.2	97	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34003 Date Analyzed: 2007-01-26 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	12.7	101	90 - 110	2007-01-26

Standard (ICV-1)

QC Batch: 34004 Date Analyzed: 2007-01-26 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	12.7	102	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34004 Date Analyzed: 2007-01-26 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	12.5	100	90 - 110	2007-01-26

Standard (ICV-1)

QC Batch: 34005 Date Analyzed: 2007-01-26 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	12.5	100	90 - 110	2007-01-26

Standard (CCV-1)

QC Batch: 34005 Date Analyzed: 2007-01-26 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	12.3	99	90 - 110	2007-01-26

7012520

CLIENT NAME:	SITE MANAGER:
JHHC	M. Larson
PROJECT NO.:	PROJECT NAME:
6-0122	Toni #1 Battery

PAGE 1 OF 1 — LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (8015B)	Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/24/07	1605		✓		GS-1	1	✓	✓	114584	
	1610		✓		GS-2	1	✓	✓	85	
	1620		✓		GS-3	1	✓	✓	86	
	1630		✓		GS-4	1	✓	✓	87	
	1640		✓		GS-5	1	✓	✓	88	
	1645		✓		GS-6	1	✓	✓	89	
	1647		✓		GS-7	1	✓	✓	90	
	1650		✓		GS-8	1	✓	✓	91	
	1715		✓		GS-9	1	✓	✓	92	
	1655		✓		GS-10	1	✓	✓	93	
↓	1706		✓		GS-11	1	✓	✓	94	

PARAMETERS/METHOD NUMBER

CHAIN—OF—CUSTODY RECORD

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

SAMPLED BY: (Signature) — DATE: 1/24/07 TIME: 1715

RELINQUISHED BY: (Signature) — DATE: 1/25/07 TIME: 1215

RECEIVED BY: (Signature) — DATE: 1/25/07 TIME: 1215

RELINQUISHED BY: (Signature) — DATE: 1/25/07 TIME: 12:15

RECEIVED BY: (Signature) — DATE: 1/25/07 TIME: 12:15

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

COMMENTS:

TURNAROUND TIME NEEDED: ASAP 24hr.

RECEIVING LABORATORY: Trace Carlsbad, NM.
ADDRESS: 5002 Bon
CITY: Midland STATE: TX ZIP: 79703
CONTACT: A. Gomez PHONE: 689-6301

RECEIVED BY: (Signature) Amanda Ross
DATE: 01/25/07 TIME: 13:15

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

SAMPLE CONDITION WHEN RECEIVED:
3°F, good, intact

LA CONTACT PERSON:
Michael Thean

SAMPLE TYPE:
Soil

11-AR

Report Date: January 29, 2007
6-0122

Work Order: 7012520
Toni #1 TB

Page Number: 18 of 18

7012520

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: JHHC
SITE MANAGER: M. Larson
PROJECT NO.: 6-0122
PROJECT NAME: Ferri #1 Battery
PAGE 1 OF 1
LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (8015B) BTEX	Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/24/07	1605		✓		GS-1	1	✓	✓	114584	
	1610		✓		GS-2	1	✓	✓	85	
	1620		✓		GS-3	1	✓	✓	86	
	1630		✓		GS-4	1	✓	✓	87	
	1640		✓		GS-5	1	✓	✓	88	
	1645		✓		GS-6	1	✓	✓	89	
	1647		✓		GS-7	1	✓	✓	90	
	1650		✓		GS-8	1	✓	✓	91	
	1715		✓		GS-9	1	✓	✓	92	
	1655		✓		GS-10	1	✓	✓	93	
	1700		✓		GS-11	1	✓	✓	94	

SAMPLED BY: (Signature)
DATE: 1/24/07 TIME: 1715
RELINQUISHED BY: (Signature)
DATE: 1/25/07 TIME: 12:15
RECEIVED BY: (Signature)
DATE: TIME:

RELINQUISHED BY: (Signature)
DATE: 1/25/07 TIME: 12:15
RECEIVED BY: (Signature)
DATE: 1/25/07 TIME: 12:15
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED
ASAP 24hr.

RECEIVING LABORATORY: Trace Analysis, Inc.
ADDRESS: 6701 Aberdeen
CITY: Lubbock STATE: TX ZIP: 79703
CONTACT: A. Conway PHONE: 689-6301
RECEIVED BY: (Signature) Amanda Ross
DATE: 01/25/07 TIME: 13:15

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

SAMPLE CONDITION WHEN RECEIVED:
3°F, good, intact

LA CONTACT PERSON:
Michael Moore

SAMPLE TYPE:
Soil

RCSI

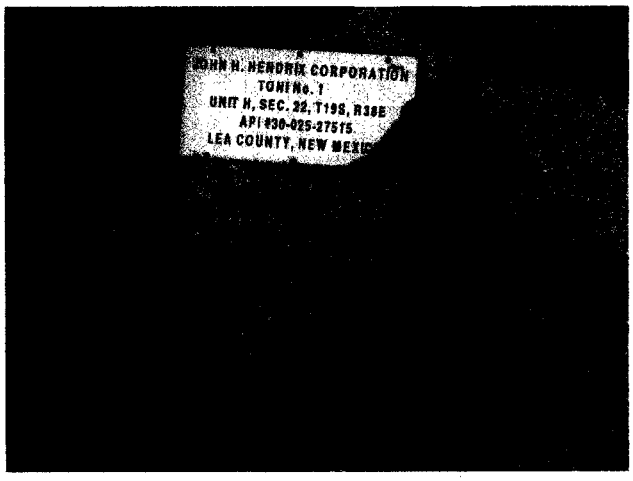
11-AR

1/29/07

Appendix B

Photographs

U.L. H, SE/4, NE/4, SECTION 22, T-19-S, R-38-E, LEA COUNTY NEW MEXICO
TONI # 1 TANK BATTERY



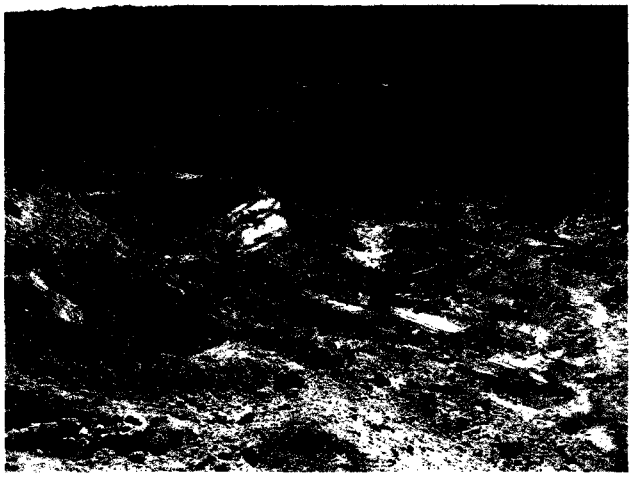
1. 1RP-955, John H. Hendrix Corporation, Toni # 1 tank battery - Location sign, September 25, 2006

2. 1RP-955, John H. Hendrix Corporation, Toni # 1 tank battery - Looking west, September 25, 2006

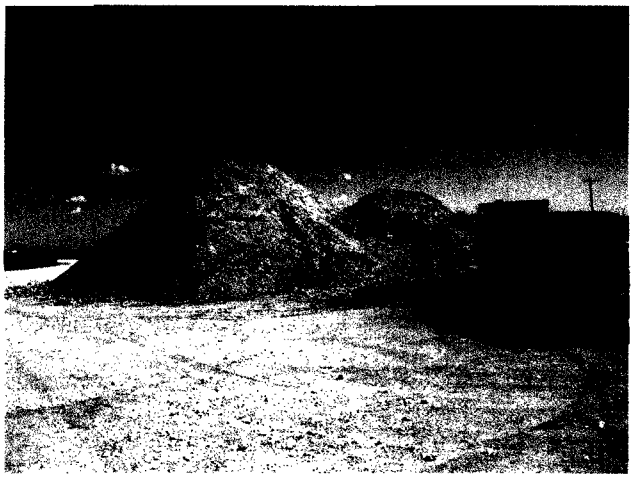
3. 1RP-955, John H. Hendrix Corporation, Toni # 1 tank battery - Looking South, October 2, 2006

U.L. H, SE/4, NE/4, SECTION 22, T-19-S, R-38-E, LEA COUNTY NEW MEXICO
TONI # 1 TANK BATTERY

4. 1RP-955, John H. Hendrix Corporation, Toni # 1 tank battery - Looking South, October 2, 2006



5. 1RP-955, John H. Hendrix Corporation, Toni # 1 tank battery - Looking Southeast, October 2, 2006

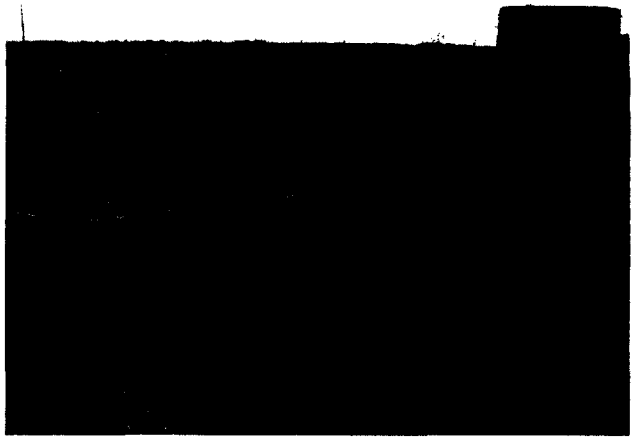


6. 1RP-955, John H. Hendrix Corporation, Toni # 1 tank battery - Spoil Pile, Looking Southeast, October 2, 2006

U.L. H, SE/4, NE/4, SECTION 22, T-19-S, R-38-E, LEA COUNTY NEW MEXICO
TONI # 1 TANK BATTERY

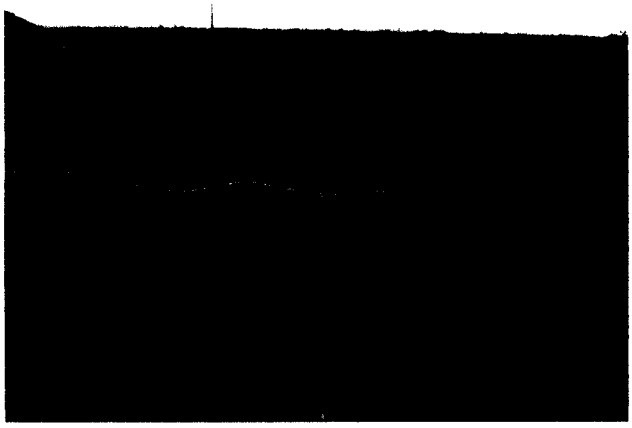
7. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking South, January 24, 2007

8. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking Southwest, January 24, 2007



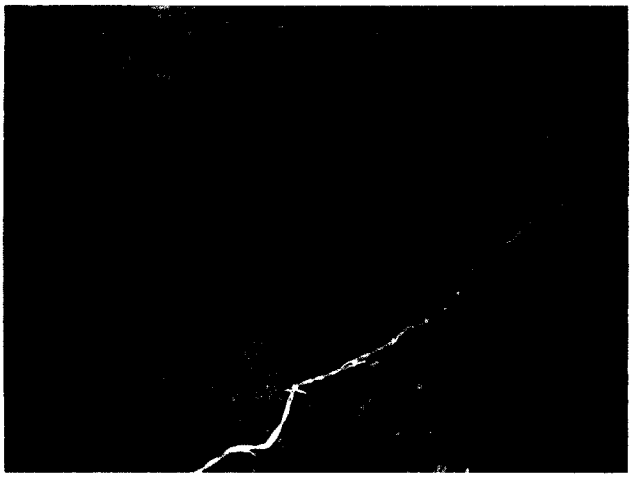
9. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking South, January 24, 2007

U.L. H, SE/4, NE/4, SECTION 22, T-19-S, R-38-E, LEA COUNTY NEW MEXICO
TONI # 1 TANK BATTERY



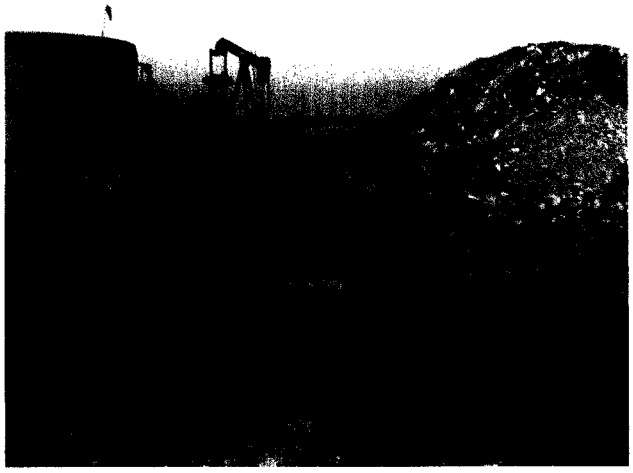
10. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking Southeast, January 24, 2007

11. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking West, January 24, 2007



12. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking East, January 24, 2007

U.L. H, SE/4, NE/4, SECTION 22, T-19-S, R-38-E, LEA COUNTY NEW MEXICO
TONI # 1 TANK BATTERY



13. 1RP-955, John H. Hendrix Corporation, Toni #1 Tank Battery Spill - Soil Excavation Looking North, January 24, 2007

Appendix C

Final 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

1RP-955

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: John H. Hendrix Corporation	Contact: Marvin Burrows
Address: 1310 18th Street, Eunice, New Mexico 88231	Telephone No.: (505) 394-2649
Facility Name: Toni #1 Tank Battery	Facility Type: Production Tank Battery

Surface Owner: Paige McNeill	Mineral Owner	~~Lease No.~~: NN23777

LOCATION OF RELEASE

API 30025 27515

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
H	22	19S	38E					

Latitude: 32° 38' 50.4" North and Longitude: 103° 07' 41.1" West

NATURE OF RELEASE

10.2.81

Type of Release: Crude Oil and Produced Water	Volume of Release: 15 bbl oil / 30 bbl water	Volume Recovered: 10 bbl oil / 20 bbl water
Source of Release: Lightening	Date and Hour of Occurrence: 10:00 hrs on 07/10/2006	Date and Hour of Discovery: 10:00 hrs on 07/10/2006
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD On-Call Representative (Pager)	
By Whom? Marvin Burrows, Production Superintendent	Date and Hour: 08/10/2006 / 10:00 hrs.	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.*
Lightening hit Toni #1 battery, firewall contained most of the fluid. Picked up fluid with vacuum truck.

TANKS BURNED

Describe Area Affected and Cleanup Action Taken.* Spill affected area approximately 40 x 20 feet outside of firewall. Samples were collected and area was excavated to reduce contaminant levels below NMOCD guidelines for benzene, BTEX and TPH.

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: Mark J. Larson	Approved by District ~~Supervisor~~: ENVIRO ENGR
Title: Sr. Project Manager / President, Larson and Associates, Inc. (agent for John H. Hendrix Corporation)	Approval Date: 2.26.07 / Expiration Date: —
E-mail Address: mark@laenvironmental.com	Conditions of Approval: — / Attached ☐ —
Date: February 22, 2007 Phone: (432) 687-0901	

* Attachment C to Report dated February 22, 2007

* OCD REQUESTED VERIFICATION LETTER FROM TEPPCO AS TEPPCO DID NOT WANT AREA UNDER THEIR LINE TO BE DISTURBED DUE TO AGE, CONTAM IN LINE AREA TO BE TEPPCO RESPONSIBILITY.