Larson & Associates, Inc.
Environmental Consultants

April 13, 2006

VIA CERTIFIED MAIL (CD)

Mr. Paul R. Sheeley
Environmental Engineer
State of New Mexico
Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Re: Spill Investigation Report and Remediation Plan, John H. Hendrix Corporation, Amanda Sims Tank Battery, Unit Letter I (NE/4, SE/4), Section 25, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

Larson and Associates, Inc. ("LA"), as consultant to John H. Hendrix Corporation ("JHHC"), submits the following report to the State of New Mexico Oil Conservation Division ("OCD"), which presents field and laboratory results of soil samples collected at the Amanda Sims Tank Battery ("Site") located in unit letter I ("NE/4, SE/4"), Section 25, Township 22 South, Range 37 East in Lea County, New Mexico. The latitude and longitude for the Site is North 32° 21' 38.65" and West 103° 06' 37.4". Contact information for JHHC is as follows:

Mr. Marvin Burrows
Production Manager
John H. Hendrix Corporation
1310 18th Street
Eunice, New Mexico 88231
(505) 394-2649
mburrows@valornet.com

Chronology

On January 16, 2006, an open-top tank was overfilled and resulted in a spill that involved approximately 4.5 barrels of crude oil and water. On January 17, 2006, Form C-141 was submitted to the OCD and is presented in Appendix A.

Setting

The Site is located approximately 4.75 miles southeast of Eunice, New Mexico, at an elevation of approximately 3,315 feet above mean sea level ("AMSL"). Monument Draw is located about 1,000 feet west of the Site and flows to the southeast. The area is covered with a thin layer of recent-age wind blown sand. The sand overlies the Ogallala

formation (Tertiary) composed of unconsolidated to well-cemented sand and sandstone interstratified with clay, silt and gravel. The Ogallala formation overlies the Chinle formation (Triassic), also known as "red bed" and consists of mudstone, siltstone and sandstone. Records from the State of New Mexico, Office of the State Engineer report no wells east of Monument Draw in Section 25, Township 22 South, Range 37 East. No wells are located within 1,000 feet of the Site. Figure 1 presents a topographic map and well locations.

Recommended remediation action levels ("RRAL") were calculated for the Site, based on the following criteria published by the OCD ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"):

Ranking Criteria	Result	Ranking Score
Depth-to-Groundwater	50 to 100 feet	10
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	10
	Total Score:	**20**

The following RRAL are assigned to the leak based on the total ranking score (20):

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

Investigation

On January 26, 2006, LA personnel used a stainless steel hand auger to collect soil samples at four (4) locations (HA-1 through HA-4). The auger was advanced until caliche was encountered between approximately 1 and 4 feet below ground surface ("BGS"). Soil samples were collected every foot (i.e., 0' to 1', 1' to 2', etc.), placed in 4-ounce glass jars filled to near zero headspace, labeled, chilled in an ice chest, and delivered under chain of custody control to Environmental Lab of Texas, Inc. ("ELTI"), located at 12600 West I-20 East, Odessa, Texas. Eight (8) ounce glass samples jars were partially filled for headspace analysis and covered with a layer of aluminum foil before the lid was replaced. The headspace vapor concentration was measured using a calibrated RAE Instruments, Model 2000 Mini-RAE photoionization detector ("PID") after the samples had warmed to near ambient temperature. The borings were plugged with bentonite. The hand auger was cleaned between samples with a solution of potable water and laboratory detergent and rinsed with distilled water. Figure 2 presents a Site drawing and sample locations. Table 1 presents a summary of the headspace analysis.

All headspace reading exceeded 100 parts per million ('ppm"), therefore, the laboratory analyzed all samples for benzene, toluene, ethyl benzene and xylene

("BTEX") using method SW-846-8021B, total petroleum hydrocarbons ("TPH") using method SW-846 8015 for gasoline range organics ("GRO") and diesel range organics ("DRO"), and chloride by method SW-846-300. Table 1 presents a summary of the laboratory analysis. Appendix B presents the laboratory report. Appendix C presents photographs.

Results

Benzene exceeded the RRAL (10 mg/Kg) in the following samples: HA-1, 0' to 1' (21.1 mg/Kg) and HA-3, 0' to 1' (13.0 mg/Kg). BTEX exceeded the RRAL in the following samples: HA-1, 0' to 1' (590.5 mg/Kg), HA-1, 1' to 2' (136.94 mg/Kg), HA-2, 0' to 1' (217.8 mg/Kg), HA-3, 0' to 1' (403. 5 mg//Kg) and HA-4 (180.84 mg/Kg). TPH exceeded the RRAL in all samples, except HA-3, 3' to 3.5' (53.0 mg/Kg). Chloride was below the 250 mg/Kg in all samples, except HA-2, 3' to 4' (365 mg/Kg).

Remediation Plan

JHHC proposes to excavate soil from the affected area until benzene, BTEX and TPH are below the RRAL of 10 mg/Kg, 50 mg/Kg and 100 mg/kg, respectively. Additional soil samples will be collected at location HA-2 and analyzed for chloride to assess the vertical extent of the impact. The soil will be hauled to the JHHC centralized surface waste management facility (NM-02-0021) located northwest of Jal, New Mexico, and the excavation will be filled with clean soil. A final report will be submitted to OCD within 45 days following receipt of the laboratory analysis. Your approval of the remediation plan is requested. If you have questions, please call Mr. Marvin Burrows with JHHC at (505) 394-2649, myself at (432) 687-0901 or email **mburrows@valornet.com** or **Mark@LAEnvironmental.com**.

Sincerely,

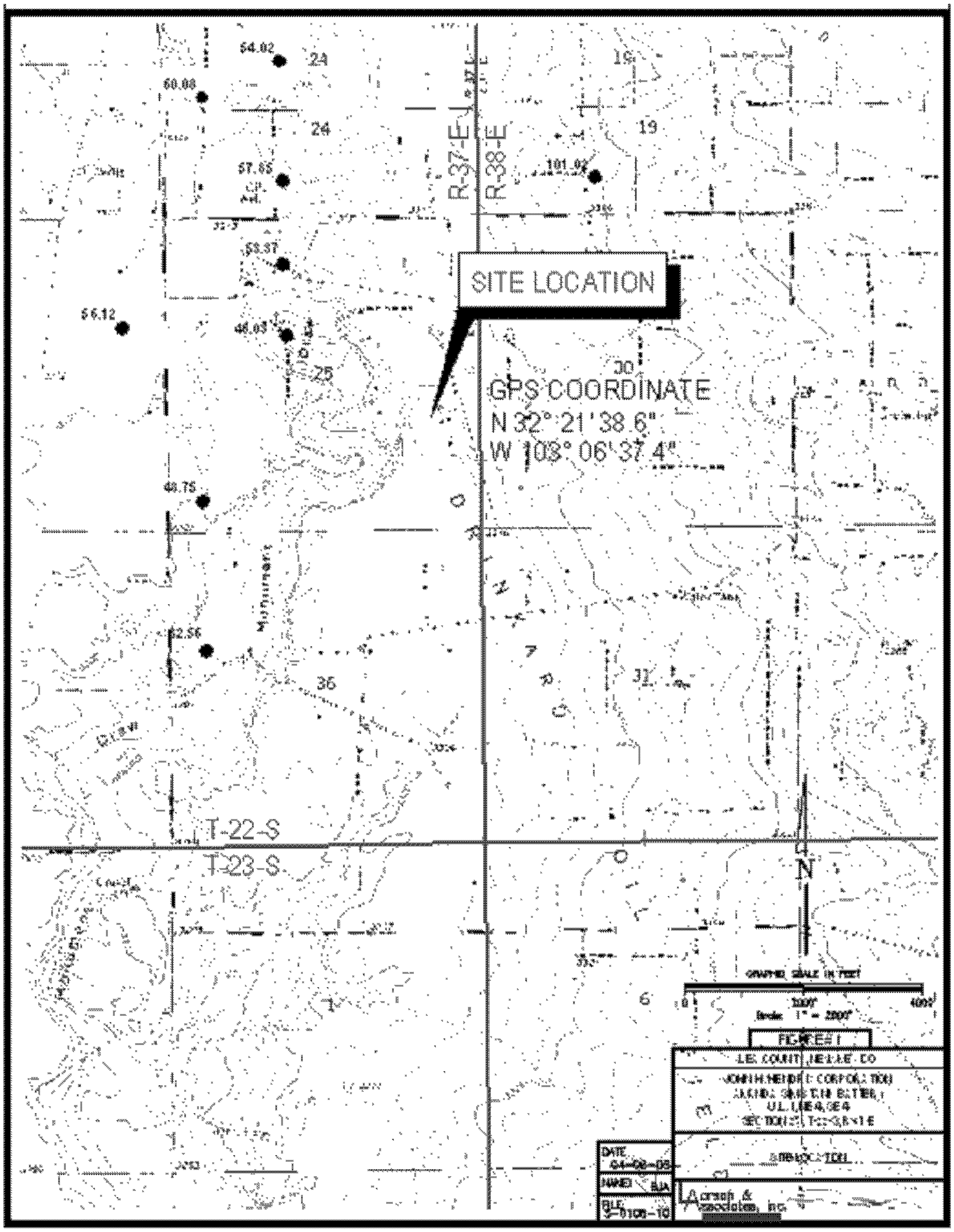
Larson and Associates, Inc.

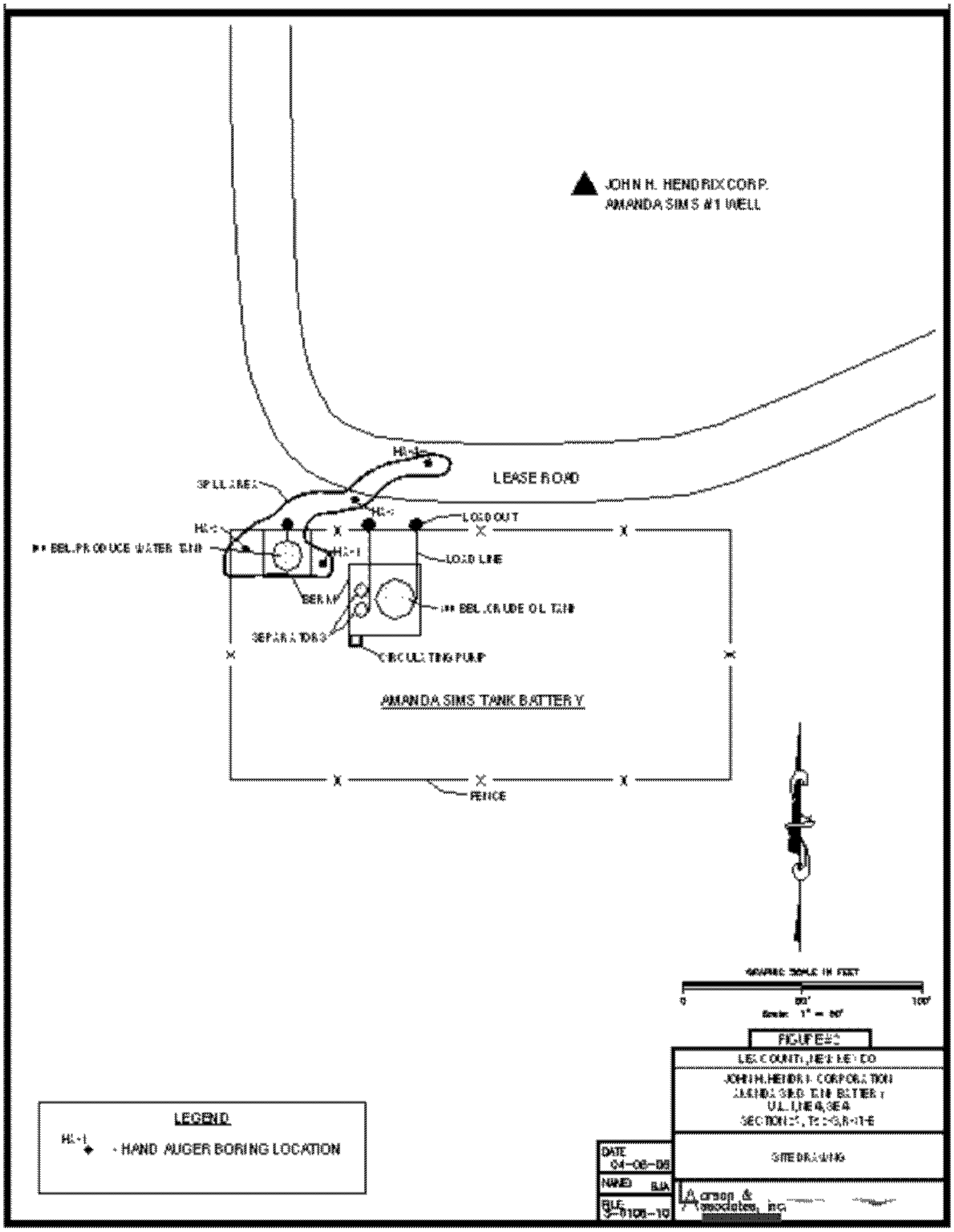
Mark J. Larson, P.G., C.P.G., C.G.W.P.
Senior Project Manager/President

Encl

cc: Marvin Burrows/JHHC
Ron Westbrook/JHHC
Chris Williams/OCD – Hobbs
Wayne Price/OCD – Santa Fe

FIGURES


SITE LOCATION
GPS COORDINATE
N 32° 21' 38.6"
W 103° 06' 37.4"
R-37-E
R-38-E
T-22-S
T-23-S
N
54.02
60.08
57.65
53.37
56.12
48.03
48.75
52.56
101.02
24
19
25
30
36
31
6
1
GRAPHIC SCALE IN FEET
0
2000'
4000'
Scale: 1" = 2000'
FIGURE 1
DATE
04-02-08
FILE
9-0105-10


JOHN H. HENDRIX CORP.
AMANDA SIMS #1 WELL
LEASE ROAD
LOAD OUT
LOAD LINE
BERM
CIRCULATING PUMP
AMANDA SIMS TANK BATTERY
FENCE
LEGEND
- HAND AUGER BORING LOCATION
DATE
SITE DRAWING

TABLES

Table 1
Summary of Headspace and Laboratory Analyses of Soil Samples
John H. Hendrix Corporation, Amanda Sims Tank Battery
Unit Letter I (NE/4, SE/4), Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Sample Location	Sample Depth (Feet BGS)	Sample Date	PID (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Chloride (mg/kg)
RRAL (mg/Kg):				**10**	**50**			**100**	
HA - 1	0-1	01/26/06	2771	21.1	590.5	8170	11,700	19,870	5.45
	1-2	01/26/06	1998	4.44	136.94	1,300.0	1,780	3,080	5.49
	2-3	01/26/06	1510	0.0405	6.4875	58.7	130.0	188.7	6.29
	3-3.5	01/26/06	734	0.02	5.741	172.0	499	671	6.73
HA - 2	0-1	01/26/06	2433	9.18	217.18	4,060	7,610	11,670	7.72
	1-2	01/26/06	924	1.27	18.04	98.7	85.8	184.5	40.3
	2-3	01/26/06	364	<0.0250	1.0055	67.8	516	583.8	194.0
	3-4	01/26/06	321	<0.0250	0.832	46	137	182.6	365.0
HA - 3	0-1	01/26/06	2582	13.0	403.5	162	59.4	221.4	6.57
	1-2	01/26/06	1217	0.211	18.651	220	487	707	68.9
	2-3	01/26/06	779	0.0336	2.5666	71.1	133	204.1	7.75
	3-3.5	01/26/06	384	0.0161	.7751	15.1	37.9	53.0	30.40
HA - 4	0-1	01/26/06	2155	4.94	180.84	2,740	13,300	16,040	5.68

Notes: Analysis performed by Environmental Lab of Texas, I. Ltd., Odessa, Texas

1. BGS: Depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
3. mg/Kg: Milligrams per kilogram
4. <: Less than method detection limit
5. PID: Photoionization detector
6. *ppm:* Parts per million

APPENDIX A

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

Revi

Submit 2 Co
District O
with

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company John H. Hendrix, Corp	Contact Marvin Burrows
Address P.O. Box 910, Eunice N.M. 88231	Telephone No. 505-394-2649
Facility Name Amanda Sims Batt.	Facility Type Tank Battery
Surface Owner Winnie Kennann	Mineral Owner / Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	25	225	37E	~~66~~ 1980	S	660'	E	Lea

Latitude ____ Longitude GPS: N 32° 2m 38.65
W 103° 6m 37.45

NATURE OF RELEASE

Type of Release Water / Oil	Volume of Release 4.5 BBLS Volume Recovered 3 BBLS
Source of Release Water Tank	Date and Hour of Occurrence 1/14/06 Date and Hour of Disco
Was Immediate Notice Given? Yes (No) (Not Required)	If YES, To Whom? 1/16/06
By Whom? —	Date and Hour —
Was a Watercourse Reached? Yes (No)	If YES, Volume Impacting the Watercourse. —

If a Watercourse was Impacted, Describe Fully.*

—

Describe Cause of Problem and Remedial Action Taken.*

Pumper ran water tank over.

Describe Area Affected and Cleanup Action Taken.*

Area Approx. 6' wide x 18' long (E/W).
Picked up liquid w/ vac. truck.

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

Signature: Marvin Burrows	Marvin Burrows Production Supt. John H. Hendrix Corp. Eunice, N.M.
c e of a C-141 r	cc
does no	t relieve the op e rator of responsi
t y for compliance	wi
y other federal, state, or local laws and/or regulations. Signatu	

U U Printed Name: Title: A

John H. Hendrix, Corp.
PO Box 910
Eunice, NM 88231
505-394-2649

1/17/06
Attn :
Paul Sheeley
OCD
Hobbs, NM

Dear Paul :
Here is a form C-141 for a spill that we had on our Amanda Sims tank battery. Though the spill was less than 5 barrels and would not be considered reportable, Mark Larson advised that I send you a C-141 since we are going to do sampling and proceed with a cleanup (site is on Kennann land). Mark has visited the site, and we will be handling it as we would any other spill incident. We will keep you posted, and will be submitting documentation to you as we proceed.

Please call with any questions or concerns.

Sincerely,

Marvin Burrows
Prod. Mgr.
JHH, Corp., Eunice, NM
Cell : 505-390-9689

APPENDIX B

Laboratory Report

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: John Hendrix/ Amanda Sims TB
Project Number: 3-0108-10
Location: None Given

Lab Order Number: 6A26017

Report Date: 02/03/06

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1 0-1	6A26017-01	Soil	01/26/06 10:16	01/26/06 16:08
HA-1 1-2	6A26017-02	Soil	01/26/06 10:25	01/26/06 16:08
HA-1 2-3	6A26017-03	Soil	01/26/06 10:33	01/26/06 16:08
HA-1 3-3.5	6A26017-04	Soil	01/26/06 10:44	01/26/06 16:08
HA-2 0-1	6A26017-05	Soil	01/26/06 10:58	01/26/06 16:08
HA-2 1-2	6A26017-06	Soil	01/26/06 11:10	01/26/06 16:08
HA-2 2-3	6A26017-07	Soil	01/26/06 11:25	01/26/06 16:08
HA-2 3-4	6A26017-08	Soil	01/26/06 11:40	01/26/06 16:08
HA-3 0-1	6A26017-09	Soil	01/26/06 12:07	01/26/06 16:08
HA-3 1-2	6A26017-10	Soil	01/26/06 12:17	01/26/06 16:08
HA-3 2-3	6A26017-11	Soil	01/26/06 12:26	01/26/06 16:08
HA-3 3-3.5	6A26017-12	Soil	01/26/06 12:32	01/26/06 16:08
HA-4 0-1	6A26017-13	Soil	01/26/06 12:45	01/26/06 16:08

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-1 0-1 (6A26017-01) Soil									
Benzene	**21.1**	2.00	mg/kg dry	2000	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**143**	2.00	"	"	"	"	"	"	
Ethylbenzene	**101**	2.00	"	"	"	"	"	"	
Xylene (p/m)	**228**	2.00	"	"	"	"	"	"	
Xylene (o)	**97.4**	2.00	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*127 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**8170**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**11700**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**19900**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*60.4 %*	*70-130*		"	"	"	"	*S-06*
HA-1 1-2 (6A26017-02) Soil									
Benzene	**4.44**	0.250	mg/kg dry	250	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**30.0**	0.250	"	"	"	"	"	"	
Ethylbenzene	**25.8**	0.250	"	"	"	"	"	"	
Xylene (p/m)	**55.1**	0.250	"	"	"	"	"	"	
Xylene (o)	**21.6**	0.250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*147 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*122 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**1300**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**1780**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3080**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*67.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*62.0 %*	*70-130*		"	"	"	"	*S-06*
HA-1 2-3 (6A26017-03) Soil									
Benzene	**J [0.0405]**	0.0500	mg/kg dry	50	EA63105	01/31/06	02/01/06	EPA 8021B	J
Toluene	**0.717**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**1.13**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**3.23**	0.0500	"	"	"	"	"	"	
Xylene (o)	**1.37**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**58.7**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**130**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**189**	10.0	"	"	"	"	"	"	

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-1 2-3 (6A26017-03) Soil									
Surrogate: 1-Chlorooctane		*119 %*	*70-130*		*EA63001*	*01/30/06*	*02/01/06*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
HA-1 3-3.5 (6A26017-04) Soil									
Benzene	**J [0.0200]**	0.0250	mg/kg dry	25	EA63105	01/31/06	01/31/06	EPA 8021B	J
Toluene	**0.561**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.10**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.00**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.06**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**172**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**499**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**671**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*119 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
HA-2 0-1 (6A26017-05) Soil									
Benzene	**9.18**	0.500	mg/kg dry	500	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**44.3**	0.500	"	"	"	"	"	"	
Ethylbenzene	**40.7**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**88.3**	0.500	"	"	"	"	"	"	
Xylene (o)	**34.7**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*145 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*124 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**4060**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**7610**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**11700**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*48.6 %*	*70-130*		"	"	"	"	*S-06*

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-2 1-2 (6A26017-06) Soil									
Benzene	**1.27**	0.0250	mg/kg dry	25	EA63105	01/31/06	01/31/06	EPA 8021B	
Toluene	**3.13**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**3.14**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**7.38**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.12**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*770 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*125 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**98.7**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**85.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**184**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
HA-2 2-3 (6A26017-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**0.0995**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.162**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.542**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.202**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**67.8**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**516**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**584**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
HA-2 3-4 (6A26017-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**0.120**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.142**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.428**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.142**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**45.6**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**137**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**183**	10.0	"	"	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-2 3-4 (6A26017-08) Soil									
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		*EA63001*	*01/30/06*	*02/01/06*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
HA-3 0-1 (6A26017-09) Soil									
Benzene	**13.0**	1.25	mg/kg dry	1250	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**94.8**	1.25	"	"	"	"	"	"	
Ethylbenzene	**74.3**	1.25	"	"	"	"	"	"	
Xylene (p/m)	**162**	1.25	"	"	"	"	"	"	
Xylene (o)	**59.4**	1.25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*127 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**6150**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**9680**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15800**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*50.6 %*	*70-130*		"	"	"	"	*S-06*
HA-3 1-2 (6A26017-10) Soil									
Benzene	**0.211**	0.0500	mg/kg dry	50	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**2.79**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**3.58**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**8.52**	0.0500	"	"	"	"	"	"	
Xylene (o)	**3.55**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*126 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**220**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**487**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**707**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	

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Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-3 2-3 (6A26017-11) Soil									
Benzene	**0.0336**	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**0.336**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.463**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.29**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.444**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**71.1**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**133**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**204**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
HA-3 3-3.5 (6A26017-12) Soil									
Benzene	**J [0.0161]**	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	J
Toluene	**0.115**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.137**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.393**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.114**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**15.1**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**37.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**53.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*118 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
HA-4 0-1 (6A26017-13) Soil									
Benzene	**4.94**	0.500	mg/kg dry	500	EB60213	02/02/06	02/02/06	EPA 8021B	
Toluene	**40.2**	0.500	"	"	"	"	"	"	
Ethylbenzene	**34.6**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**74.1**	0.500	"	"	"	"	"	"	
Xylene (o)	**27.0**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*158 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*141 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**2740**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**13300**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**16000**	20.0	"	"	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-4 0-1 (6A26017-13) Soil									
Surrogate: 1-Chlorooctane		*75.8 %*	*70-130*		*EA63001*	*01/30/06*	*02/01/06*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*59.0 %*	*70-130*		*"*	*"*	*"*	*"*	*S-06*

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.
Environmental Consultants

April 13, 2006

VIA CERTIFIED MAIL (CD)

Mr. Paul R. Sheeley
Environmental Engineer
State of New Mexico
Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Re: Spill Investigation Report and Remediation Plan, John H. Hendrix Corporation, Amanda Sims Tank Battery, Unit Letter I (NE/4, SE/4), Section 25, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

Larson and Associates, Inc. ("LA"), as consultant to John H. Hendrix Corporation ("JHHC"), submits the following report to the State of New Mexico Oil Conservation Division ("OCD"), which presents field and laboratory results of soil samples collected at the Amanda Sims Tank Battery ("Site") located in unit letter I ("NE/4, SE/4"), Section 25, Township 22 South, Range 37 East in Lea County, New Mexico. The latitude and longitude for the Site is North 32° 21' 38.65" and West 103° 06' 37.4". Contact information for JHHC is as follows:

Mr. Marvin Burrows
Production Manager
John H. Hendrix Corporation
1310 18th Street
Eunice, New Mexico 88231
(505) 394-2649
mburrows@valornet.com

Chronology

On January 16, 2006, an open-top tank was overfilled and resulted in a spill that involved approximately 4.5 barrels of crude oil and water. On January 17, 2006, Form C-141 was submitted to the OCD and is presented in Appendix A.

Setting

The Site is located approximately 4.75 miles southeast of Eunice, New Mexico, at an elevation of approximately 3,315 feet above mean sea level ("AMSL"). Monument Draw is located about 1,000 feet west of the Site and flows to the southeast. The area is covered with a thin layer of recent-age wind blown sand. The sand overlies the Ogallala

formation (Tertiary) composed of unconsolidated to well-cemented sand and sandstone interstratified with clay, silt and gravel. The Ogallala formation overlies the Chinle formation (Triassic), also known as "red bed" and consists of mudstone, siltstone and sandstone. Records from the State of New Mexico, Office of the State Engineer report no wells east of Monument Draw in Section 25, Township 22 South, Range 37 East. No wells are located within 1,000 feet of the Site. Figure 1 presents a topographic map and well locations.

Recommended remediation action levels ("RRAL") were calculated for the Site, based on the following criteria published by the OCD ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"):

Ranking Criteria	Result	Ranking Score
Depth-to-Groundwater	50 to 100 feet	10
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	10
	Total Score:	**20**

The following RRAL are assigned to the leak based on the total ranking score (20):

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

Investigation

On January 26, 2006, LA personnel used a stainless steel hand auger to collect soil samples at four (4) locations (HA-1 through HA-4). The auger was advanced until caliche was encountered between approximately 1 and 4 feet below ground surface ("BGS"). Soil samples were collected every foot (i.e., 0' to 1', 1' to 2', etc.), placed in 4-ounce glass jars filled to near zero headspace, labeled, chilled in an ice chest, and delivered under chain of custody control to Environmental Lab of Texas, Inc. ("ELTI"), located at 12600 West I-20 East, Odessa, Texas. Eight (8) ounce glass samples jars were partially filled for headspace analysis and covered with a layer of aluminum foil before the lid was replaced. The headspace vapor concentration was measured using a calibrated RAE Instruments, Model 2000 Mini-RAE photoionization detector ("PID") after the samples had warmed to near ambient temperature. The borings were plugged with bentonite. The hand auger was cleaned between samples with a solution of potable water and laboratory detergent and rinsed with distilled water. Figure 2 presents a Site drawing and sample locations. Table 1 presents a summary of the headspace analysis.

All headspace reading exceeded 100 parts per million ('ppm"), therefore, the laboratory analyzed all samples for benzene, toluene, ethyl benzene and xylene

("BTEX") using method SW-846-8021B, total petroleum hydrocarbons ("TPH") using method SW-846 8015 for gasoline range organics ("GRO") and diesel range organics ("DRO"), and chloride by method SW-846-300. Table 1 presents a summary of the laboratory analysis. Appendix B presents the laboratory report. Appendix C presents photographs.

Results

Benzene exceeded the RRAL (10 mg/Kg) in the following samples: HA-1, 0' to 1' (21.1 mg/Kg) and HA-3, 0' to 1' (13.0 mg/Kg). BTEX exceeded the RRAL in the following samples: HA-1, 0' to 1' (590.5 mg/Kg), HA-1, 1' to 2' (136.94 mg/Kg), HA-2, 0' to 1' (217.8 mg/Kg), HA-3, 0' to 1' (403. 5 mg//Kg) and HA-4 (180.84 mg/Kg). TPH exceeded the RRAL in all samples, except HA-3, 3' to 3.5' (53.0 mg/Kg). Chloride was below the 250 mg/Kg in all samples, except HA-2, 3' to 4' (365 mg/Kg).

Remediation Plan

JHHC proposes to excavate soil from the affected area until benzene, BTEX and TPH are below the RRAL of 10 mg/Kg, 50 mg/Kg and 100 mg/kg, respectively. Additional soil samples will be collected at location HA-2 and analyzed for chloride to assess the vertical extent of the impact. The soil will be hauled to the JHHC centralized surface waste management facility (NM-02-0021) located northwest of Jal, New Mexico, and the excavation will be filled with clean soil. A final report will be submitted to OCD within 45 days following receipt of the laboratory analysis. Your approval of the remediation plan is requested. If you have questions, please call Mr. Marvin Burrows with JHHC at (505) 394-2649, myself at (432) 687-0901 or email **mburrows@valornet.com** or **Mark@LAEnvironmental.com**.

Sincerely,

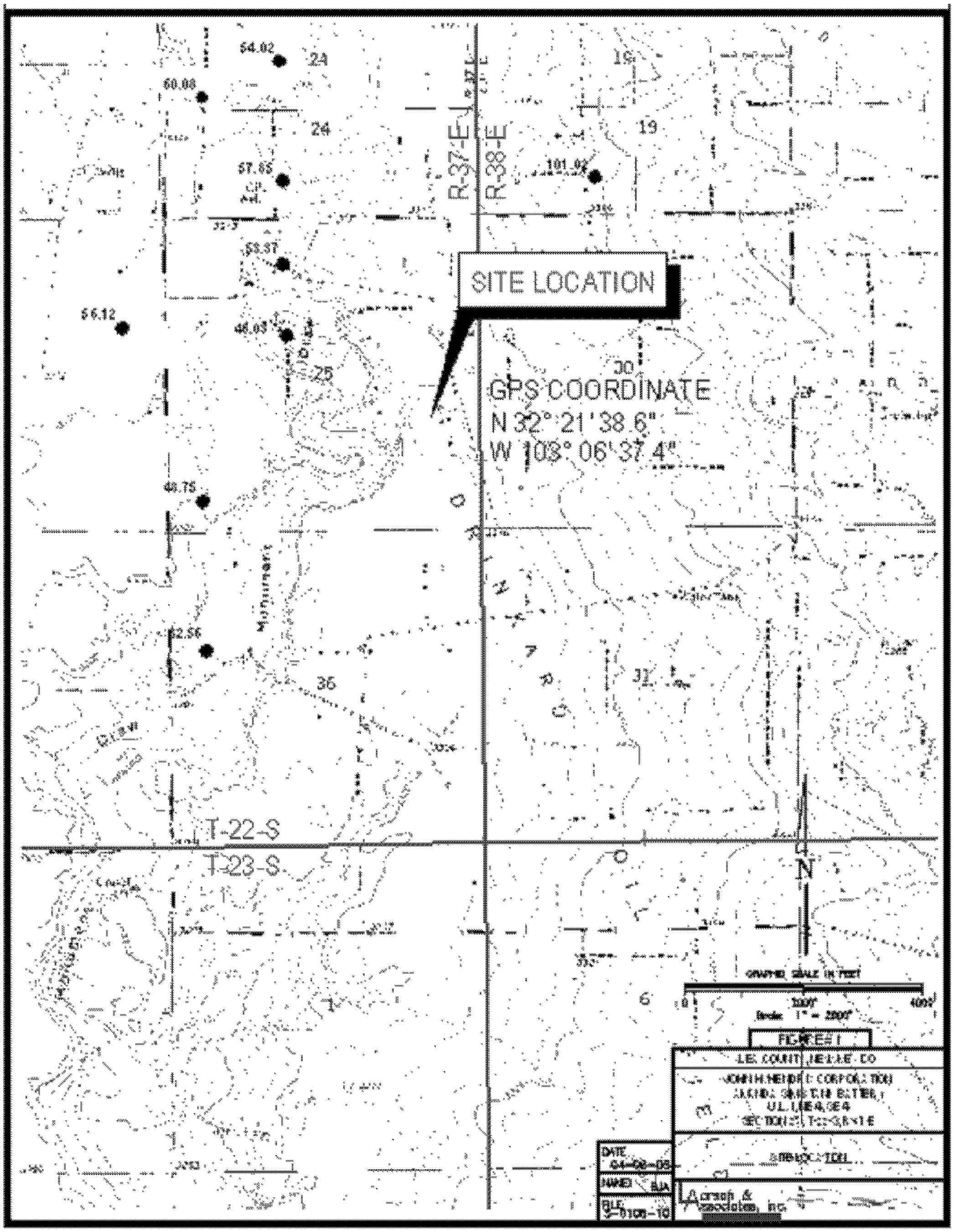
Larson and Associates, Inc.

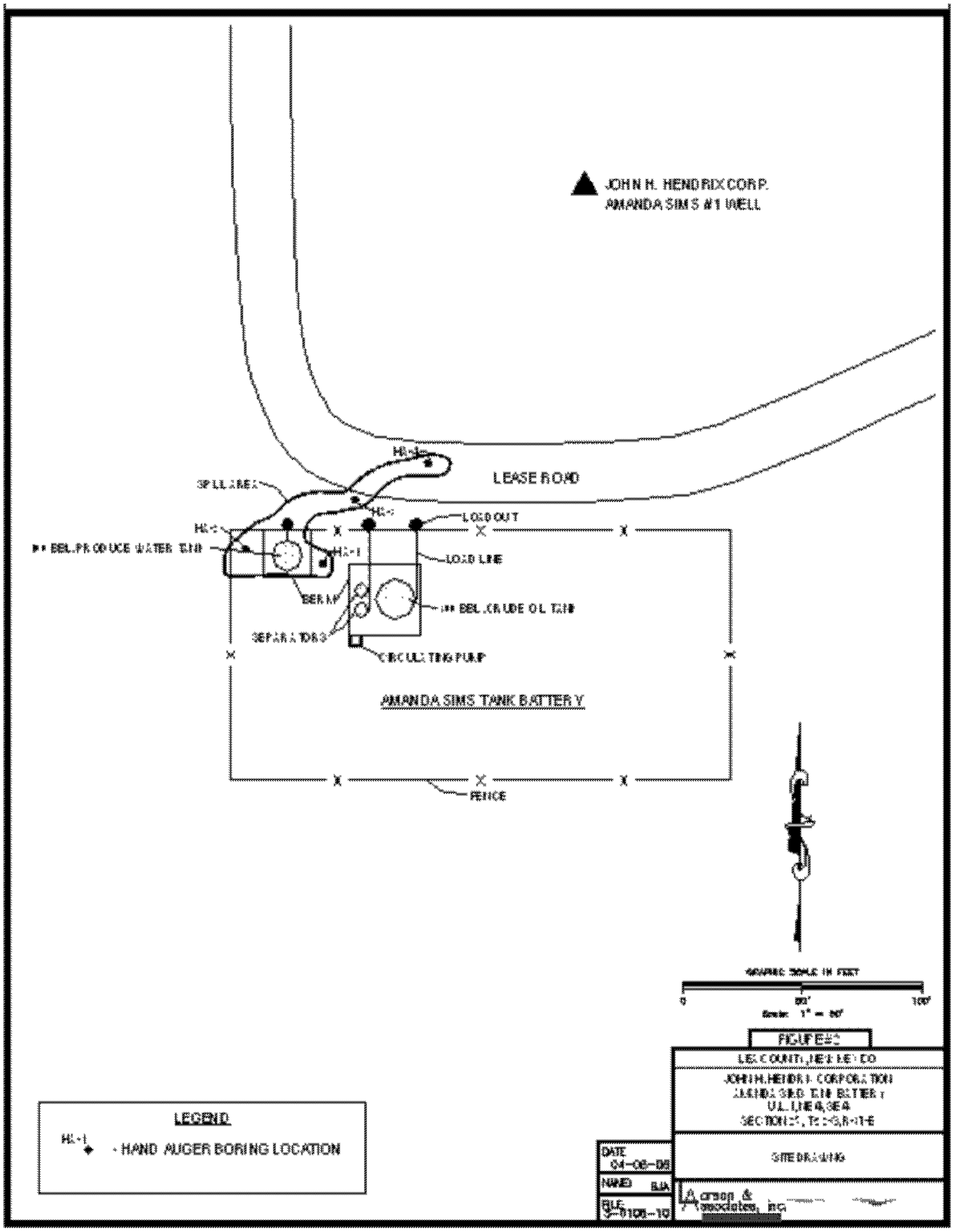
Mark J. Larson, P.G., C.P.G., C.G.W.P.
Senior Project Manager/President

Encl

cc: Marvin Burrows/JHHC
Ron Westbrook/JHHC
Chris Williams/OCD – Hobbs
Wayne Price/OCD – Santa Fe

FIGURES


SITE LOCATION
GPS COORDINATE
N 32° 21' 38.6"
W 103° 06' 37.4"
R-37-E
R-38-E
T-22-S
T-23-S
N
GRAPHIC SCALE IN FEET
DATE
FILE


JOHN H. HENDRIX CORP.
AMANDA SIMS #1 WELL
LEASE ROAD
LOAD OUT
LOAD LINE
CIRCULATING PUMP
AMANDA SIMS TANK BATTERY
FENCE
LEGEND
- HAND AUGER BORING LOCATION
SITE DRAWING
DATE
04-05-06

TABLES

Table 1
Summary of Headspace and Laboratory Analyses of Soil Samples
John H. Hendrix Corporation, Amanda Sims Tank Battery
Unit Letter I (NE/4, SE/4), Section 25, Township 22 South, Range 37 East
Lea County, New Mexico

Sample Location	Sample Depth (Feet BGS)	Sample Date	PID (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)	Chloride (mg/kg)
RRAL (mg/Kg):				**10**	**50**			**100**	
HA - 1	0-1	01/26/06	2771	21.1	590.5	8170	11,700	19,870	5.45
	1-2	01/26/06	1998	4.44	136.94	1,300.0	1,780	3,080	5.49
	2-3	01/26/06	1510	0.0405	6.4875	58.7	130.0	188.7	6.29
	3-3.5	01/26/06	734	0.02	5.741	172.0	499	671	6.73
HA - 2	0-1	01/26/06	2433	9.18	217.18	4,060	7,610	11,670	7.72
	1-2	01/26/06	924	1.27	18.04	98.7	85.8	184.5	40.3
	2-3	01/26/06	364	<0.0250	1.0055	67.8	516	583.8	194.0
	3-4	01/26/06	321	<0.0250	0.832	46	137	182.6	365.0
HA - 3	0-1	01/26/06	2582	13.0	403.5	162	59.4	221.4	6.57
	1-2	01/26/06	1217	0.211	18.651	220	487	707	68.9
	2-3	01/26/06	779	0.0336	2.5666	71.1	133	204.1	7.75
	3-3.5	01/26/06	384	0.0161	.7751	15.1	37.9	53.0	30.40
HA - 4	0-1	01/26/06	2155	4.94	180.84	2,740	13,300	16,040	5.68

Notes: Analysis performed by Environmental Lab of Texas, I. Ltd., Odessa, Texas

1. BGS: Depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
3. mg/Kg: Milligrams per kilogram
4. <: Less than method detection limit
5. PID: Photoionization detector
6. *ppm:* Parts per million

APPENDIX A

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

Revi

Submit 2 Co
District O
with

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company John H. Hendrix, Corp	Contact Marvin Burrows
Address P.O. Box 910, Eunice N.M. 88231	Telephone No. 505-394-2649
Facility Name Amanda Sims Batt.	Facility Type Tank Battery
Surface Owner Winnie Kennann	Mineral Owner / Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	25	225	37E	~~66~~ 1980	S	660'	E	Lea

Latitude ____ Longitude GPS: N 32° 2m 38.65
W 103° 6m 37.45

NATURE OF RELEASE

Type of Release Water / Oil	Volume of Release 4.5 BBLS Volume Recovered 3 BBLS
Source of Release Water Tank	Date and Hour of Occurrence 1/14/06 Date and Hour of Disco
Was Immediate Notice Given? Yes (No) (Not Required)	If YES, To Whom? 1/16/06
By Whom? —	Date and Hour —
Was a Watercourse Reached? Yes (No)	If YES, Volume Impacting the Watercourse. —

If a Watercourse was Impacted, Describe Fully.*

—

Describe Cause of Problem and Remedial Action Taken.*

Pumper ran water tank over.

Describe Area Affected and Cleanup Action Taken.*

Area Approx. 6' wide x 18' long (E/W).
Picked up liquid w/ vac. truck.

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

Signature: Marvin Burrows	Marvin Burrows Production Supt. John H. Hendrix Corp. Eunice, N.M.
c e of a C-141 r	cc
does no	t relieve the op e rator of responsi
t y for compliance	wi
y other federal, state, or local laws and/or regulations. Signatu	

U U Printed Name: Title: A

John H. Hendrix, Corp.
PO Box 910
Eunice, NM 88231
505-394-2649

1/17/06
Attn :
Paul Sheeley
OCD
Hobbs, NM

Dear Paul :
Here is a form C-141 for a spill that we had on our Amanda Sims tank battery. Though the spill was less than 5 barrels and would not be considered reportable, Mark Larson advised that I send you a C-141 since we are going to do sampling and proceed with a cleanup (site is on Kennann land). Mark has visited the site, and we will be handling it as we would any other spill incident. We will keep you posted, and will be submitting documentation to you as we proceed.

Please call with any questions or concerns.

Sincerely,

Marvin Burrows
Prod. Mgr.
JHH, Corp., Eunice, NM
Cell : 505-390-9689

APPENDIX B

Laboratory Report

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: John Hendrix/ Amanda Sims TB
Project Number: 3-0108-10
Location: None Given

Lab Order Number: 6A26017

Report Date: 02/03/06

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1 0-1	6A26017-01	Soil	01/26/06 10:16	01/26/06 16:08
HA-1 1-2	6A26017-02	Soil	01/26/06 10:25	01/26/06 16:08
HA-1 2-3	6A26017-03	Soil	01/26/06 10:33	01/26/06 16:08
HA-1 3-3.5	6A26017-04	Soil	01/26/06 10:44	01/26/06 16:08
HA-2 0-1	6A26017-05	Soil	01/26/06 10:58	01/26/06 16:08
HA-2 1-2	6A26017-06	Soil	01/26/06 11:10	01/26/06 16:08
HA-2 2-3	6A26017-07	Soil	01/26/06 11:25	01/26/06 16:08
HA-2 3-4	6A26017-08	Soil	01/26/06 11:40	01/26/06 16:08
HA-3 0-1	6A26017-09	Soil	01/26/06 12:07	01/26/06 16:08
HA-3 1-2	6A26017-10	Soil	01/26/06 12:17	01/26/06 16:08
HA-3 2-3	6A26017-11	Soil	01/26/06 12:26	01/26/06 16:08
HA-3 3-3.5	6A26017-12	Soil	01/26/06 12:32	01/26/06 16:08
HA-4 0-1	6A26017-13	Soil	01/26/06 12:45	01/26/06 16:08

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-1 0-1 (6A26017-01) Soil									
Benzene	**21.1**	2.00	mg/kg dry	2000	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**143**	2.00	"	"	"	"	"	"	
Ethylbenzene	**101**	2.00	"	"	"	"	"	"	
Xylene (p/m)	**228**	2.00	"	"	"	"	"	"	
Xylene (o)	**97.4**	2.00	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*127 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**8170**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**11700**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**19900**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*60.4 %*	*70-130*		"	"	"	"	*S-06*
HA-1 1-2 (6A26017-02) Soil									
Benzene	**4.44**	0.250	mg/kg dry	250	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**30.0**	0.250	"	"	"	"	"	"	
Ethylbenzene	**25.8**	0.250	"	"	"	"	"	"	
Xylene (p/m)	**55.1**	0.250	"	"	"	"	"	"	
Xylene (o)	**21.6**	0.250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*147 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*122 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**1300**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**1780**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3080**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*67.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*62.0 %*	*70-130*		"	"	"	"	*S-06*
HA-1 2-3 (6A26017-03) Soil									
Benzene	**J [0.0405]**	0.0500	mg/kg dry	50	EA63105	01/31/06	02/01/06	EPA 8021B	J
Toluene	**0.717**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**1.13**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**3.23**	0.0500	"	"	"	"	"	"	
Xylene (o)	**1.37**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**58.7**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**130**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**189**	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-1 2-3 (6A26017-03) Soil									
Surrogate: 1-Chlorooctane		*119 %*	*70-130*		*EA63001*	*01/30/06*	*02/01/06*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
HA-1 3-3.5 (6A26017-04) Soil									
Benzene	**J [0.0200]**	0.0250	mg/kg dry	25	EA63105	01/31/06	01/31/06	EPA 8021B	J
Toluene	**0.561**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.10**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.00**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.06**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**172**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**499**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**671**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*119 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
HA-2 0-1 (6A26017-05) Soil									
Benzene	**9.18**	0.500	mg/kg dry	500	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**44.3**	0.500	"	"	"	"	"	"	
Ethylbenzene	**40.7**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**88.3**	0.500	"	"	"	"	"	"	
Xylene (o)	**34.7**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*145 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*124 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**4060**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**7610**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**11700**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*48.6 %*	*70-130*		"	"	"	"	*S-06*

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Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-2 1-2 (6A26017-06) Soil									
Benzene	**1.27**	0.0250	mg/kg dry	25	EA63105	01/31/06	01/31/06	EPA 8021B	
Toluene	**3.13**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**3.14**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**7.38**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.12**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*770 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*125 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**98.7**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**85.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**184**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
HA-2 2-3 (6A26017-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**0.0995**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.162**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.542**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.202**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**67.8**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**516**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**584**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
HA-2 3-4 (6A26017-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**0.120**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.142**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.428**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.142**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**45.6**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**137**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**183**	10.0	"	"	"	"	"	"	

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Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-2 3-4 (6A26017-08) Soil									
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		*EA63001*	*01/30/06*	*02/01/06*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
HA-3 0-1 (6A26017-09) Soil									
Benzene	**13.0**	1.25	mg/kg dry	1250	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**94.8**	1.25	"	"	"	"	"	"	
Ethylbenzene	**74.3**	1.25	"	"	"	"	"	"	
Xylene (p/m)	**162**	1.25	"	"	"	"	"	"	
Xylene (o)	**59.4**	1.25	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*127 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**6150**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**9680**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15800**	20.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*50.6 %*	*70-130*		"	"	"	"	*S-06*
HA-3 1-2 (6A26017-10) Soil									
Benzene	**0.211**	0.0500	mg/kg dry	50	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**2.79**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**3.58**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**8.52**	0.0500	"	"	"	"	"	"	
Xylene (o)	**3.55**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*126 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**220**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**487**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**707**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*121 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	

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Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-3 2-3 (6A26017-11) Soil									
Benzene	**0.0336**	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	
Toluene	**0.336**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.463**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.29**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.444**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**71.1**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**133**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**204**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
HA-3 3-3.5 (6A26017-12) Soil									
Benzene	**J [0.0161]**	0.0250	mg/kg dry	25	EA63105	01/31/06	02/01/06	EPA 8021B	J
Toluene	**0.115**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.137**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.393**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.114**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**15.1**	10.0	mg/kg dry	1	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**37.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**53.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*118 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
HA-4 0-1 (6A26017-13) Soil									
Benzene	**4.94**	0.500	mg/kg dry	500	EB60213	02/02/06	02/02/06	EPA 8021B	
Toluene	**40.2**	0.500	"	"	"	"	"	"	
Ethylbenzene	**34.6**	0.500	"	"	"	"	"	"	
Xylene (p/m)	**74.1**	0.500	"	"	"	"	"	"	
Xylene (o)	**27.0**	0.500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*158 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*141 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**2740**	20.0	mg/kg dry	2	EA63001	01/30/06	02/01/06	EPA 8015M	
Diesel Range Organics >C12-C35	**13300**	20.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**16000**	20.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-4 0-1 (6A26017-13) Soil									
Surrogate: 1-Chlorooctane		*75.8 %*	*70-130*		*EA63001*	*01/30/06*	*02/01/06*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*59.0 %*	*70-130*		*"*	*"*	*"*	*"*	*S-06*

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-1 0-1 (6A26017-01) Soil									
Chloride	**5.45**	5.00	mg/kg	10	EA63007	01/31/06	01/31/06	EPA 300.0	
% Moisture	**8.5**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-1 1-2 (6A26017-02) Soil									
Chloride	**5.49**	5.00	mg/kg	10	EA63007	01/31/06	01/31/06	EPA 300.0	
% Moisture	**12.8**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-1 2-3 (6A26017-03) Soil									
Chloride	**6.29**	5.00	mg/kg	10	EA63007	01/31/06	01/31/06	EPA 300.0	
% Moisture	**10.1**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-1 3-3.5 (6A26017-04) Soil									
Chloride	**6.73**	5.00	mg/kg	10	EA63007	01/31/06	01/31/06	EPA 300.0	
% Moisture	**10.7**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-2 0-1 (6A26017-05) Soil									
Chloride	**7.72**	5.00	mg/kg	10	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**11.9**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-2 1-2 (6A26017-06) Soil									
Chloride	**40.3**	10.0	mg/kg	20	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**14.0**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-2 2-3 (6A26017-07) Soil									
Chloride	**194**	10.0	mg/kg	20	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**13.8**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-2 3-4 (6A26017-08) Soil									
Chloride	**365**	10.0	mg/kg	20	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**14.3**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HA-3 0-1 (6A26017-09) Soil									
Chloride	**6.57**	5.00	mg/kg	10	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**10.8**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-3 1-2 (6A26017-10) Soil									
Chloride	**68.9**	5.00	mg/kg	10	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**12.6**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-3 2-3 (6A26017-11) Soil									
Chloride	**7.75**	5.00	mg/kg	10	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**13.2**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-3 3-3.5 (6A26017-12) Soil									
Chloride	**30.4**	5.00	mg/kg	10	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**13.3**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	
HA-4 0-1 (6A26017-13) Soil									
Chloride	**5.68**	5.00	mg/kg	10	EB60106	02/01/06	02/01/06	EPA 300.0	
% Moisture	**11.9**	0.1	%	1	EA63008	01/27/06	01/30/06	% calculation	

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA63001 - Solvent Extraction (GC)										
Blank (EA63001-BLK1)				Prepared: 01/30/06 Analyzed: 01/31/06						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*49.1*		*mg/kg*	*50.0*		*98.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.6*		*"*	*50.0*		*109*	*70-130*			
LCS (EA63001-BS1)				Prepared: 01/30/06 Analyzed: 01/31/06						
Gasoline Range Organics C6-C12	494	10.0	mg/kg wet	500		98.8	75-125			
Diesel Range Organics >C12-C35	532	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*56.3*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.0*		*"*	*50.0*		*116*	*70-130*			
Calibration Check (EA63001-CCV1)				Prepared: 01/30/06 Analyzed: 02/01/06						
Gasoline Range Organics C6-C12	481		mg/kg	500		96.2	80-120			
Diesel Range Organics >C12-C35	528		"	500		106	80-120			
Total Hydrocarbon C6-C35	1010		"	1000		101	80-120			
Surrogate: 1-Chlorooctane	*64.4*		*"*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.6*		*"*	*50.0*		*113*	*70-130*			
Matrix Spike (EA63001-MS1)	**Source: 6A26012-17**			Prepared: 01/30/06 Analyzed: 01/31/06						
Gasoline Range Organics C6-C12	464	10.0	mg/kg dry	503	ND	92.2	75-125			
Diesel Range Organics >C12-C35	548	10.0	"	503	83.7	92.3	75-125			
Total Hydrocarbon C6-C35	1010	10.0	"	1010	83.7	91.7	75-125			
Surrogate: 1-Chlorooctane	*63.7*		*mg/kg*	*50.0*		*127*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.7*		*"*	*50.0*		*113*	*70-130*			
Matrix Spike Dup (EA63001-MSD1)	**Source: 6A26012-17**			Prepared: 01/30/06 Analyzed: 01/31/06						
Gasoline Range Organics C6-C12	446	10.0	mg/kg dry	503	ND	88.7	75-125	3.96	20	
Diesel Range Organics >C12-C35	532	10.0	"	503	83.7	89.1	75-125	2.96	20	
Total Hydrocarbon C6-C35	978	10.0	"	1010	83.7	88.5	75-125	3.22	20	
Surrogate: 1-Chlorooctane	*64.4*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.5*		*"*	*50.0*		*109*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA63105 - EPA 5030C (GC)										
Blank (EA63105-BLK1)				Prepared & Analyzed: 01/31/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*35.2*		*ug/kg*	*40.0*		*88.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.0*		*"*	*40.0*		*82.5*	*80-120*			
LCS (EA63105-BS1)				Prepared & Analyzed: 01/31/06						
Benzene	1.32	0.0250	mg/kg wet	1.25		106	80-120			
Toluene	1.37	0.0250	"	1.25		110	80-120			
Ethylbenzene	1.46	0.0250	"	1.25		117	80-120			
Xylene (p/m)	2.75	0.0250	"	2.50		110	80-120			
Xylene (o)	1.45	0.0250	"	1.25		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.6*		*ug/kg*	*40.0*		*91.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.7*		*"*	*40.0*		*96.8*	*80-120*			
Calibration Check (EA63105-CCV1)				Prepared: 01/31/06 Analyzed: 02/01/06						
Benzene	50.3		ug/kg	50.0		101	80-120			
Toluene	54.6		"	50.0		109	80-120			
Ethylbenzene	58.7		"	50.0		117	80-120			
Xylene (p/m)	109		"	100		109	80-120			
Xylene (o)	57.9		"	50.0		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.5*		*"*	*40.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.4*		*"*	*40.0*		*101*	*80-120*			
Matrix Spike (EA63105-MS1)	**Source: 6A26012-17**			Prepared: 01/31/06 Analyzed: 02/01/06						
Benzene	1.18	0.0250	mg/kg dry	1.26	ND	93.7	80-120			
Toluene	1.23	0.0250	"	1.26	ND	97.6	80-120			
Ethylbenzene	1.31	0.0250	"	1.26	ND	104	80-120			
Xylene (p/m)	2.49	0.0250	"	2.52	ND	98.8	80-120			
Xylene (o)	1.30	0.0250	"	1.26	ND	103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.7*		*ug/kg*	*40.0*		*86.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.3*		*"*	*40.0*		*93.2*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA63105 - EPA 5030C (GC)										
Matrix Spike Dup (EA63105-MSD1)	**Source: 6A26012-17**			Prepared: 01/31/06 Analyzed: 02/01/06						
Benzene	1.28	0.0250	mg/kg dry	1.26	ND	102	80-120	8.48	20	
Toluene	1.32	0.0250	"	1.26	ND	105	80-120	7.31	20	
Ethylbenzene	1.37	0.0250	"	1.26	ND	109	80-120	4.69	20	
Xylene (p/m)	2.59	0.0250	"	2.52	ND	103	80-120	4.16	20	
Xylene (o)	1.34	0.0250	"	1.26	ND	106	80-120	2.87	20	
Surrogate: a,a,a-Trifluorotoluene	*35.4*		*ug/kg*	*40.0*		*88.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.7*		*"*	*40.0*		*89.2*	*80-120*			
Batch EB60213 - EPA 5030C (GC)										
Blank (EB60213-BLK1)				Prepared & Analyzed: 02/02/06						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*36.1*		*ug/kg*	*40.0*		*90.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.8*		*"*	*40.0*		*89.5*	*80-120*			
LCS (EB60213-BS1)				Prepared & Analyzed: 02/02/06						
Benzene	0.0498	0.00100	mg/kg wet	0.0500		99.6	80-120			
Toluene	0.0512	0.00100	"	0.0500		102	80-120			
Ethylbenzene	0.0529	0.00100	"	0.0500		106	80-120			
Xylene (p/m)	0.0998	0.00100	"	0.100		99.8	80-120			
Xylene (o)	0.0512	0.00100	"	0.0500		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.3*		*ug/kg*	*40.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.1*		*"*	*40.0*		*115*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB60213 - EPA 5030C (GC)										
Calibration Check (EB60213-CCV1)				Prepared: 02/02/06 Analyzed: 02/03/06						
Benzene	48.7		ug/kg	50.0		97.4	80-120			
Toluene	50.4		"	50.0		101	80-120			
Ethylbenzene	48.5		"	50.0		97.0	80-120			
Xylene (p/m)	90.5		"	100		90.5	80-120			
Xylene (o)	46.0		"	50.0		92.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.5*		*"*	*40.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.3*		*"*	*40.0*		*83.2*	*80-120*			
Matrix Spike (EB60213-MS1)	**Source: 6A27003-01**			Prepared: 02/02/06 Analyzed: 02/03/06						
Benzene	1.25	0.0250	mg/kg dry	1.31	ND	95.4	80-120			
Toluene	1.30	0.0250	"	1.31	ND	99.2	80-120			
Ethylbenzene	1.35	0.0250	"	1.31	ND	103	80-120			
Xylene (p/m)	2.56	0.0250	"	2.62	ND	97.7	80-120			
Xylene (o)	1.31	0.0250	"	1.31	ND	100	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.8*		*ug/kg*	*40.0*		*99.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.7*		*"*	*40.0*		*119*	*80-120*			
Matrix Spike Dup (EB60213-MSD1)	**Source: 6A27003-01**			Prepared: 02/02/06 Analyzed: 02/03/06						
Benzene	1.15	0.0250	mg/kg dry	1.31	ND	87.8	80-120	8.30	20	
Toluene	1.22	0.0250	"	1.31	ND	93.1	80-120	6.34	20	
Ethylbenzene	1.26	0.0250	"	1.31	ND	96.2	80-120	6.83	20	
Xylene (p/m)	2.39	0.0250	"	2.62	ND	91.2	80-120	6.88	20	
Xylene (o)	1.20	0.0250	"	1.31	ND	91.6	80-120	8.77	20	
Surrogate: a,a,a-Trifluorotoluene	*41.3*		*ug/kg*	*40.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.4*		*"*	*40.0*		*111*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA63007 - Water Extraction										
Blank (EA63007-BLK1)				Prepared & Analyzed: 01/31/06						
Chloride	ND	0.500	mg/kg							
LCS (EA63007-BS1)				Prepared & Analyzed: 01/31/06						
Chloride	8.72		mg/L	10.0		87.2	80-120			
Calibration Check (EA63007-CCV1)				Prepared & Analyzed: 01/31/06						
Chloride	8.92		mg/L	10.0		89.2	80-120			
Duplicate (EA63007-DUP1)		**Source: 6A26009-05**		Prepared & Analyzed: 01/31/06						
Chloride	9130	200	mg/kg		9180			0.546	20	
Batch EA63008 - General Preparation (Prep)										
Blank (EA63008-BLK1)				Prepared: 01/27/06 Analyzed: 01/30/06						
% Solids	100		%							
Duplicate (EA63008-DUP1)		**Source: 6A26012-01**		Prepared: 01/27/06 Analyzed: 01/30/06						
% Solids	97.0		%		96.9			0.103	20	
Duplicate (EA63008-DUP2)		**Source: 6A26017-01**		Prepared: 01/27/06 Analyzed: 01/30/06						
% Solids	90.5		%		91.5			1.10	20	
Duplicate (EA63008-DUP3)		**Source: 6A27007-01**		Prepared: 01/27/06 Analyzed: 01/30/06						
% Solids	93.1		%		94.3			1.28	20	
Duplicate (EA63008-DUP4)		**Source: 6A27008-16**		Prepared: 01/27/06 Analyzed: 01/30/06						
% Solids	82.7		%		83.1			0.483	20	

Larson & Associates, Inc.	Project: John Hendrix/ Amanda Sims TB	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 3-0108-10	**Reported:**
Midland TX, 79710	Project Manager: Mark Larson	02/03/06 14:35

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB60106 - Water Extraction										
Blank (EB60106-BLK1)				Prepared & Analyzed: 02/01/06						
Chloride	ND	0.500	mg/kg							
LCS (EB60106-BS1)				Prepared & Analyzed: 02/01/06						
Chloride	8.61	0.500	mg/kg	10.0		86.1	80-120			
Calibration Check (EB60106-CCV1)				Prepared & Analyzed: 02/01/06						
Chloride	8.85		mg/L	10.0		88.5	80-120			
Duplicate (EB60106-DUP1)		**Source: 6A26012-21**		Prepared & Analyzed: 02/01/06						
Chloride	6.53	5.00	mg/kg		6.82			4.34	20	

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 2-03-06

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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: John Hendrix Corp.
SITE MANAGER: Mark Larson
PROJECT NO.: 3-0108-10
PROJECT NAME: Amanda Sims TB
PAGE 1 OF 1
LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	8015 TPH	BTEX	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/26/06	1016		X		HA-1 0-1	1	1	1	1		6A26017-01
	1025				HA-1 1-2						-02
	1033				HA-1 2-3						-03
	1044				HA-1 3-3.5						-04
	1058				HA-2 0-1						-05
	1110				HA-2 1-2						-06
	1125				HA-2 2-3						-07
	1140				HA-2 3-4						-08
	1207				HA-3 0-1						-09
	1217				HA-3 1-2						-10
	1226				HA-3 2-3						-11
	1232				HA-3 3-3.5						-12
	1245				HA-4 0-1						-13

SAMPLED BY: (Signature) DATE: 1/26 TIME: 1600
RELINQUISHED BY: (Signature) DATE: 1/26 TIME: 1608
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: TIME:
RECEIVED BY: (Signature) DATE: TIME:
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS: ELOT
TURNAROUND TIME NEEDED

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature) Rolando Jr
DATE: 1-26-06 TIME: 1600

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

SAMPLE CONDITION WHEN RECEIVED: 4oz glass on ice No seals No labels id on lid Rec 0.5°C
LA CONTACT PERSON:
SAMPLE TYPE:

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Larson

Date/Time: 1/26/06 16:05

Order #: 6A26017

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	ID on lid
Container labels legible and intact?	Yes	No	n/a
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

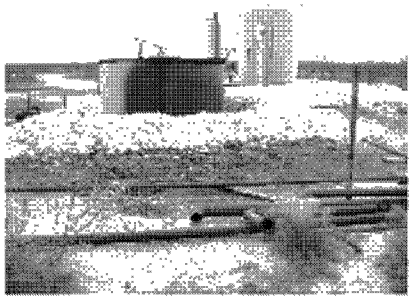
_____

APPENDIX C

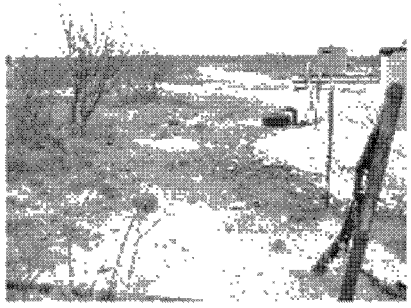
Photographs

U.L. I, NE/4, SE/4, SECTION 25, T-22-S, R-37-E, LEA COUNTY NEW MEXICO
AMANDA SIMS TANK BATTERY

1. Amanda Sims Tank Battery - Location Sign, April 10, 2006

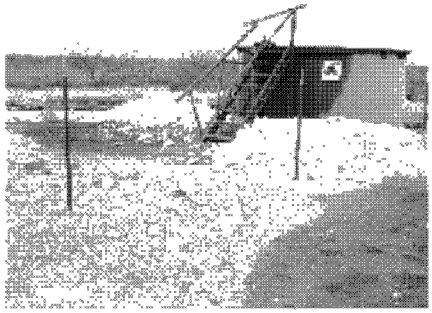


2. Amanda Sims Tank Battery - Spill Location West of Water Tank, Looking East, April 10, 2006

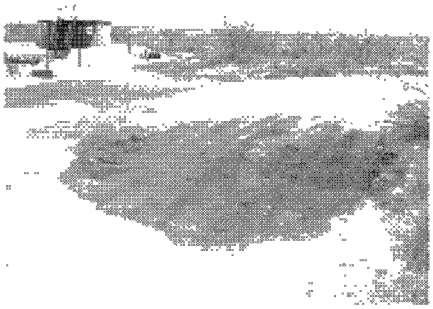


3. Amanda Sims Tank Battery - Spill Location North of Water Tank, Looking East, April 10, 2006

U.L. I, NE/4, SE/4, SECTION 25, T-22-S, R-37-E, LEA COUNTY NEW MEXICO
AMANDA SIMS TANK BATTERY



4. Amanda Sims Tank Battery - Spill Location East of Water Tank, Looking Southwest, April 10, 2006



5. Amanda Sims Tank Battery - Spill Location Northeast of Water Tank, Looking Southwest, April 10, 2006