1R - 482

REPORTS

DATE:

2007

Larson & Associates, Inc.
Environmental Consultants

January 9, 2007

VIA: HAND DELIVERY

Mr. Wayne Price, Chief
Environmental Bureau
State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 1R0482, Investigation Report of Historic Contamination and Remediation Plan, John H. Hendrix Corporation, Penrose Federal Lease, Battery #1, Unit F (SE/4, NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Price:

This letter is submitted to the State of New Mexico, Oil Conservation Division ("OCD") on behalf of John H. Hendrix Corporation ("JHHC") by Larson and Associates, Inc. ("LA"), its consultant, to convey the results of an investigation to delineate the vertical and horizontal extent of historic contamination at the Penrose Federal Lease, Battery #1 ("Site"), as well as a former pit that was located southwest of the battery. The Site is located in unit F (SE/4, NW/4), Section 9, Township 22 South, Range 37 East in Lea County, New Mexico. The latitude and longitude for the Site is north 32° 24' 32.2" and west 103° 10' 14.7", respectively. Figure 1 presents a location and topographic map. Contact information for JHHC is as follows:

Name:	Marvin Burrows
Title:	Production Superintendent
Mailing Address:	1310 18th Street
	Eunice, New Mexico 88321
Telephone:	(505) 394-2649
Fax:	(505) 394-2653
Email Address:	mburrows@valornet.com

Setting

The Site is situated at an elevation of approximately 3415 feet above mean sea level ("MSL"). No surface water or wells are located within 1,000 horizontal feet of the Site, which is covered by wind blown sand (Recent). The Ogallala formation (Tertiary) underlies the sand and consists of unconsolidated to well-cemented sand and sandstone that is interstratified with clay, silt and gravel. The Chinle formation (Dockum group)

underlies the Ogallala formation and consists of mudstone, siltstone and sandstone. Ground water occurs at approximately 75 feet below ground surface ("bgs").

Current Investigation

The current investigation was conducted between June 28, 2006 and October 30, 2006, in accordance with a work plan that was approved by the OCD on March 30, 2006. Soil samples were collected from ten (10) borings (BH-21 through BH-30), which were drilled by Scarborough Drilling, Inc., located in Lamesa, Texas, using a truck-mounted rig. The borings were advanced from approximately six (6) to eighty-one (81) feet bgs and soil samples were collected using split-spoon and jam tube samplers. The samplers were decontaminated between uses by washing with a solution of laboratory grade detergent and water and rinsed with distilled water. The rig and down-hole tools (i.e., rods, bit, etc.) were cleaned between locations using a high-pressure washer.

The soil samples were placed in 4-ounce glass jars, labeled, chilled in an ice chest and delivered to Environmental Lab of Texas, Inc., located in Odessa, Texas. Duplicate sample were collected for headspace analysis using the ambient temperature headspace method and analyzed using a RAE Systems, Model 2000 photoionization detector, which was calibrated to 100 parts per million ("ppm") isobutylene. The laboratory analyzed samples that exhibited headspace readings above 100 ppm for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) using method SW-846-8021B. Samples were also analyzed for total petroleum hydrocarbons ("TPH") and chloride using methods SW-846-8015B and 300, respectively. Table 1 presents a summary of the laboratory analysis. Figure 2 presents a Site drawing and boring locations. Appendix A presents the OCD approval. Appendix B presents the boring logs. Appendix C presents the laboratory reports. Appendix D presents photographs.

The OCD has developed recommended remediation action levels ("RRAL") for benzene, BTEX and TPH based on the following ranking criteria:

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

The following RRAL would apply to a recent spill assuming a ranking score of 10:

- **Benzene** **10 mg/kg**
- **BTEX** **50 mg/kg**
- **TPH** **1,000 mg/kg**

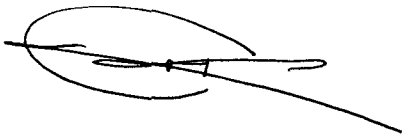
No samples exhibited benzene above the RRAL, but BTEX exceeded the RRAL in sample BH-23, 0 to 2 feet (85.97 mg/Kg). TPH exceeded the RRAL in the following samples:

Boring	Sample (Feet)	TPH (mg/Kg)
BH-23	0 – 2	8,372
BH-25	0 – 2	3,243
BH-26	0 – 2	2,031.3
	5 - 7	9,208
	10 – 11	2,275
BH-27	0 - 2	19,750
	5 - 7	16,757
	10 - 12	2,829
	15 - 16	10,659
BH-28	0 - 2	7,130
	5 - 7	13,260
	10 - 11	2,215
	15 - 16	3,808
BH-29	0 - 2	5,644.7
	5 - 6	8,979
	10 -11	2,643
	15 - 16	5,015
BH-30	0 - 2	10,802
	5 - 7	10,674
	10 - 11	2,923
	15 - 16	8,143
	20 - 21	2,644
	25 - 26	3,909
	30 - 31	6,220
	35 - 36	1,356
	40 - 41	<20

Remediation Plan

JHHC will excavate soil from areas where TPH exceeds the RRAL. Soil will be excavated from the pit (BH-30) to approximately seven (7) feet bgs. A 20-mil thickness high-density polyethylene liner will be placed near the bottom of the pit excavation and the remainder of the excavation will be filled with clean soil and crowned at the surface to limit rainwater percolation into the subsurface. The contaminated soil will be hauled to the JHHC centralized landfarm. A final report will be submitted to the OCD upon completion of the project. Please call Mr. Marvin Burrows with JHHC at (505) 394-2649 or email mburrows@jhhc.org, if you have questions. I may be reached with questions at (432) 687-0901 or email mark@laenvironmental.com.

Larson and Associates, Inc.



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

Encl

cc: Larry Johnson/OCD District 1 – Hobbs
Marvin Burrows/JHHC
Ronnie Westbrook/JHC

Tables

Table 1
Summary of Field and Laboratory Analysis of Soil Samples
John H. Hendrix Corporation, Penrose Federal Tank Battery
Unit Letter C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

Boring Number	Sample Date	Sample Depth (Feet	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C10 - C28 (mg/Kg)	DRO C12 - C28 (mg/Kg)	DRO C28-C35 (mg/Kg)	TPH C6-C28 (mg/Kg)	TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)
BH-21	06/29/2006	0 - 2	0.1	--	--	--	<10	--	<10	<10	--	<30	25.8
	06/29/2006	5 - 6	3.9	--	--	--	--	--	--	--	--	--	--
BH-22	06/29/2006	0 - 1	4.1	--	--	--	<10	--	359	185	--	544	69.2
	06/29/2006	5 -6	1.1	--	--	--	--	--	--	--	--	--	--
BH-23	06/29/2006	0 - 2	1,316	3.85	85.97	--	2,200	--	5,230	942	--	8,372	138
	06/29/2006	5 - 6	90.7	--	--	--	49.9	--	729	72.6	--	851.5	673
	06/29/2006	10 - 11	30.2	--	--	--	--	--	--	--	--	--	--
BH-24	06/29/2006	0 - 2	3.7	--	--	--	<10	--	<10	<10	--	<30	29.1
	06/29/2006	5 - 6	1.7	--	--	--	--	--	--	--	--	--	--
BH-25	06/29/2006	0 - 2	1.0	--	--	--	<50	--	2,610	633	--	3,243	19.6
	06/29/2006	5 - 7	1.5	--	--	--	<10	--	<10	<10	--	<30	402
BH-26	06/29/2006	0 - 2	340	0.35	3.251	--	93.3	--	1,670	268	--	2,031.3	425
	06/29/2006	5 - 7	868	0.0619	2.9929	--	1,860	--	6,610	738	--	9,208	2,350
	06/29/2006	10 -11	788	0.0112	0.8782	--	455	--	1,630	190	--	2,275	5,040
	06/29/2006	15 - 16	119	<0.025	<0.125	--	<10	--	<10	<10	--	<30	8,730
BH-27	06/29/2006	0 - 2	800	2.19	27.76	--	2,420	--	15,200	2,130	--	19,750	1,010
	06/29/2006	5 - 7	1,308	0.555	16.825	--	2,270	--	5,430	677	--	16,757	981
	06/29/2006	10 - 11	994	0.0529	2.2679	--	484	--	2,090	255	--	2,829	4,260
	06/29/2006	15 - 16	1,050	0.0553	2.8633	--	2,330	--	7,440	889	--	10,659	1,000
BH-28	06/29/2006	0 - 2	156	0.144	1.327	--	132	--	6,120	878	--	7,130	1,020
	06/29/2006	5 - 7	501	0.106	5.044	--	1,490	--	10,500	1,270	--	13,260	1,480
	06/29/2006	10 - 11	763	0.0105	1.3925	--	457	--	1,580	178	--	2,215	5,970
	06/29/2006	15 - 16	887	0.0182	3.0452	--	787	--	2,730	291	--	3,808	10,500
BH-29	06/29/2006	0 - 2	59.7	--	--	--	79.7	--	4,830	735	--	5,644.7	354
	06/29/2006	5 - 6	436	--	--	--	731	--	7,310	938	--	8,979	2,680
	06/29/2006	10 - 11	747	<0.025	1.284		298		2,140	205		2,643	3,900
	06/29/2006	15 - 16	847	0.059	6.098		1,260		3,420	335		5,015	6,260
BH-30	06/29/2006	0 - 2	411	1.69	12.41		512		9,100	1,190		10,802	530

Table 1
Summary of Field and Laboratory Analysis of Soil Samples
John H. Hendrix Corporation, Penrose Federal Tank Battery
Unit Letter C (NE/4,NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

Boring Number	Sample Date	Sample Depth (Feet	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C10 - C28 (mg/Kg)	DRO C12 - C28 (mg/Kg)	DRO C28-C35 (mg/Kg)	TPH C6-C28 (mg/Kg)	TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)
BH-30	06/29/2006	5 - 7	1,004	1.16	42.01		1,810		7,990	874		10,674	142
	06/29/2006	10 - 12	954	0.0933	4.7633		636		2,080	207		2,923	436
	06/29/2006	15 - 16	1,086	0.332	16.542		1,550		5,880	704		8,143	1,740
	06/29/2006	20 - 21	1,064	0.357	3.95		337		887	100		2,644	2,290
	06/29/2006	25 - 26	1,048	0.142	4.867		808		2,730	371		3,909	3,410
	07/05/2006	30 - 31	716	0.0125	1.4925		587		2,350	173		6,220	2,550
	10/05/2006	35 - 36	69	--	--	136	--	1,220	--	--	1,356	--	2,340
	10/05/2006	40 - 41	17.8	--	--	<10	--	<10	--	--	<20	--	2,450
	10/05/2006	45 - 46	5.7	--	--	<10	--	<10	--	--	<20	--	2,340
	10/05/2006	50 - 51	2.0	--	--	<10	--	<10	--	--	<20	--	2,870
	10/05/2006	55 - 56	3.4	--	--	<10	--	<10	--	--	<20	--	3,400
	10/30/2006	60 - 61	0.1										
	10/30/2006	65 - 66	0.1										
	10/30/2006	70 - 71	0.1										
	10/30/2006	75 - 76	0.1										
	10/30/2006	80 - 81	0.1										

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

1. BGS: Sample depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of C6 to C35)
3. mg/kg: Milligrams per kilogram
4. <: Below method detection limit
5. PID: Photoionization detector
6. ppm: Parts per million
7. ---: No data available
8. BTEX: Sum of benzene, tolulene, ethylbenzene and xylene
9. GRO: Gasoline - range organics
10. DRO: Diesel - range organics

Figures

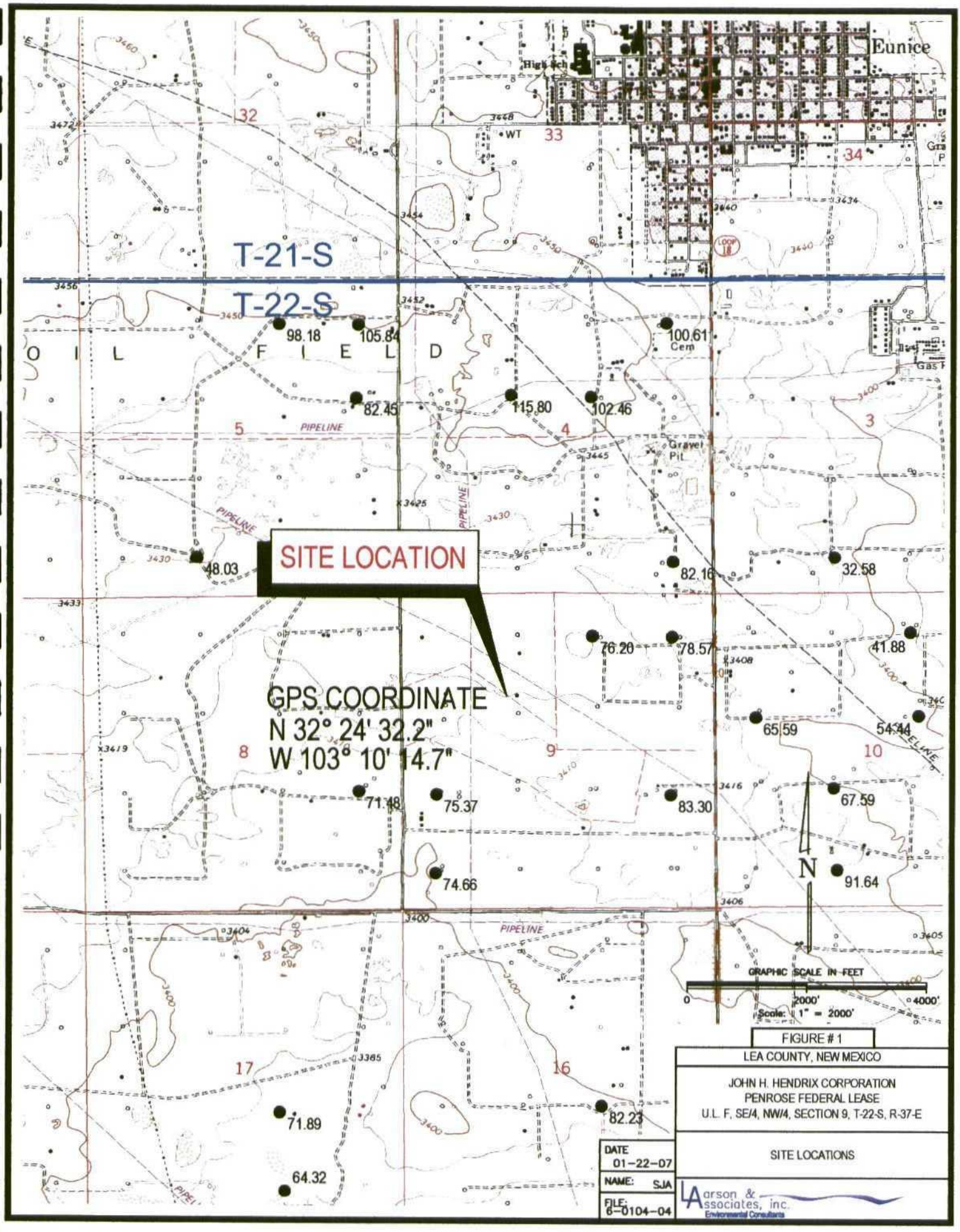


FIGURE # 1

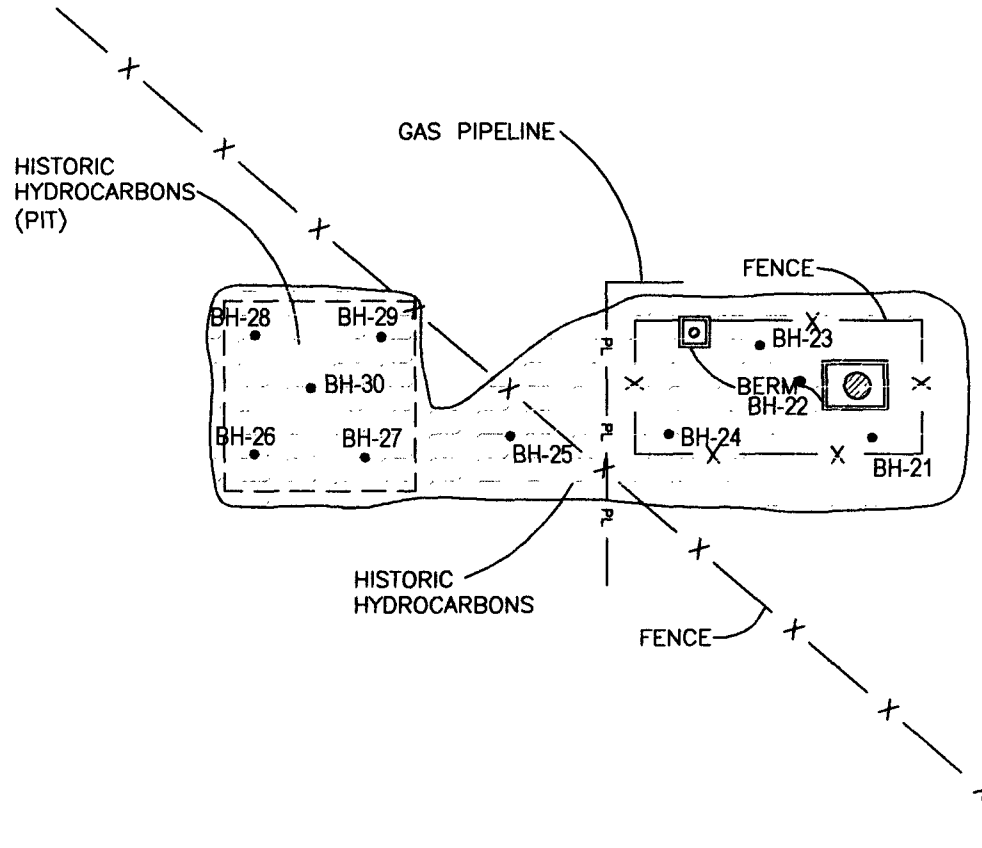
LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
PENROSE FEDERAL LEASE
U.L. F, SE/4, NW/4, SECTION 9, T-22-S, R-37-E

SITE LOCATIONS

DATE	01-22-07
NAME:	SJA
FILE:	6-0104-04

Larson & Associates, inc.
Environmental Consultants



GRAPHIC SCALE IN FEET

0 100' 200'

Scale: 1" = 100'

FIGURE # 2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
PENROSE FEDERAL TANK BATTERY
U.L. F, (SE/4, NW/4)
SECTION 9, T-22-S, R-37-E

SITE # 4 DRAWING

DATE 07-25-06

NAME: SJA

FILE: 6-0104-03

Larson & Associates, inc.
Environmental Consultants

LEGEND

BH-21 • BORE HOLE LOCATION

Appendix A

Investigation Plan Approval

Mark Larson

From: Price, Wayne, EMNRD [wayne.price@state.nm.us]
Sent: Thursday, March 30, 2006 12:38 PM
To: Mark Larson
Cc: mburrows@valornet.com; Ron H. Westbrook; Sheeley, Paul, EMNRD; Johnson, Larry, EMNRD; Caperton, Patricia, EMNRD
Subject: RE: Proposal to Investigate Historic Hydrocarbons, John H. Hendrix Corporation, Penrose Federal Lease, Section 9, Township 22 South, Range 37 East, Lea County, New Mexico, February 27, 2006

Approved

-----Original Message-----
From: Mark Larson [mailto:mark@laenvironmental.com]
Sent: Thursday, March 30, 2006 7:50 AM
To: Price, Wayne, EMNRD
Cc: mburrows@valornet.com; Ron H. Westbrook; Sheeley, Paul, EMNRD; Johnson, Larry, EMNRD; Caperton, Patricia, EMNRD
Subject: Re: Proposal to Investigate Historic Hydrocarbons, John H. Hendrix Corporation, Penrose Federal Lease, Section 9, Township 22 South, Range 37 East, Lea County, New Mexico, February 27, 2006

Dear Mr. Price: This request is submitted to the New Mexico Oil Conservation Division ("OCD"), on behalf of John H. Hendrix Corporation ("JHHC"), by Larson and Associates, Inc. ("LA"), its consultant,, to confirm our meeting from March 17, 2006, and your verbal approval of the above-referenced proposal. Your confirmed approval of the above-referenced proposal is requested. You may contact Mr. Marvin Burrows with JHHC at (505) 394-2649 or email mburrows@valornet.com, if you have questions. I also may be reached with questions using the contact information listed below.

Sincerely,

Mark J. Larson
Sr. Project Manager/President
Larson and Associates, Inc.
507 N. Marienfeld Street, Suite 202
Midland, Texas 79701
(432) 687-0901 (Office)
(432) 687-0456 (Fax)
(432) 556-8656 (Cell)
mark@laenvironmental.com

Appendix B

Boring Logs

Client: John H. Hendrix Corporation

Log: BH-21

Project: Penrose Federal

Project No: 6-0104-03

Page: 1 of 1

Location: Lea county, New Mexico

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Silty Clayey Sand 5 YR 4/6, Yellowish red, very fine grained quartz sand, dry, loose	1				Depth: 0.00' - 2.00' BGS Chloride: 25.8 mg/kg0
5		***Caliche*** 7.5 YR 8/1, White, sandy, very fine grained quartz sand, moderately hard	2				
		TD: 6.0'					
10							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal

Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-22

Page: 1 of 1

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
		Ground Surface					
0		***Silty Clayey Sand*** 5 YR 4/6, Yellowish red, very fine grained quartz sand, loose	1				Depth: 0.00' - 2.00' BGS Chloride: 69.2 mg/kg0
		Caliche 7.5 YR 8/1, White, sandy, very fine grained quartz sand, moderately hard					
5			2				
		TD: 6.0'					
10							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal # 1

Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-24

Page: 1 of 1

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Silty Sand 5 YR 4/6, Reddish yellow, very fine grained quartz sand, moderately stiff, dry	1				Depth: 0.00' - 2.00' BGS Chloride: 25.8 mg/kg
5		***Caliche*** 7.5 YR 8/1 to 8/2, White to pinkish white, sandy, very fine grained quartz sand, soft	2				
		TD: 6.0'					
10							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal # 1

Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-25

Page: 1 of 1

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Silty Clayey Sand 5 YR 4/4 to 2.5/1, Black to reddish brown, very fine grained quartz sand, hydrocarbon stain	1				Depth: 0.00' - 2.00' BGS Chloride: 19.6 mg/kg
		5 YR 6/8, Reddish yellow, black at 3.0'					
5			2				
		TD: 7.0'					
10							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal # 1

Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-26

Page: 1 of 1

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Silty Sand 5 YR 4/4 to 5/4, Reddish brown to 2.5/1, black, very fine grained quartz sand, poorly sorted, hydrocarbon stain from 0.0' to 1.0'	1				Depth: 0.00' - 2.00' BGS Benzene: 0.35 mg/kg BTEX: 3.251 mg/kg: Chloride: 425.0 mg/kg
		10 YR 5/4 to 6/4, Yellowish to light yellowish brown below 3.0'					
5			2				Depth: 5.00' - 7.00' BGS Benzene: 0.0619 mg/kg BTEX: 2.9929 mg/kg: Chloride: 2,350.0 mg/kg
		Sandstone 10 YR 5/4, Yellowish brown, very fine grained quartz sand, moderately well to well cemented					
10			3				Depth: 10.00' - 11.00' BGS Benzene: 0.0112 mg/kg BTEX: 0.8782 mg/kg: Chloride: 5,040.0 mg/kg
15			4				Depth: 15.00' - 16.00' BGS Benzene: <0.025 mg/kg BTEX: <0.125 mg/kg: Chloride: 8,730.0 mg/kg
		TD: 17.0'					
20							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal # 1

Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-27

Page: 1 of 1

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Silty Sand 10 YR 2/1 to 3/4, Black to dark yellowish brown, very fine grained quartz sand, poorly sorted, hydrocarbon stain from 0.0' to 1.0'	1				Depth: 0.00' - 2.00' BGS Benzene: 2.19 mg/kg BTEX: 27.76 mg/kg: Chloride: 1,010.0 mg/kg
		10 YR 5/4, Yellowish brown below 3.0', soft to loose hydrocarbon odor					
		Interbedded with sandstone below 7.0'					
5			2				Depth: 5.00' - 7.00' BGS Benzene: 0.555 mg/kg BTEX: 16.825 mg/kg: Chloride: 981.0 mg/kg
10			3				Depth: 10.00' - 11.00' BGS Benzene: 0.0529 mg/kg BTEX: 2.2679 mg/kg: Chloride: 4,260.0 mg/kg
15			4				Depth: 15.00' - 16.00' BGS Benzene: 0.0553 mg/kg BTEX: 2.8633 mg/kg: Chloride: 1,000.0 mg/kg
		TD: 16.0'					
20							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal # 1

Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-29

Page: 1 of 1

Geologist: M. Larson

SUBSURFACE PROFILE			SAMPLE				
Depth	Symbol	Description	Number	Type	Recovery	PID ppm (1 3 5 7 9)	Notes
0		Ground Surface					
		Silty Clayey Sand 10 YR 2/1 to 2/2, Black to darkish brown, very fine grained quartz sand, poorly sorted, slightly stiff, hydrocarbon stain and odor	1				
		Silty Sand 10 YR 6/4, brownish yellow below 4.0', very fine grained quartz sand, poorly sorted, interbedded with sandstone, moderately well to poorly cemented, slight hydrocarbon odor at 15.0'					
5			2				Depth: 5.00' - 7.00' BGS Chloride: 2,680.0 mg/kg
10			3				Depth: 10.00' - 11.00' BGS Benzene: <0.25 mg/kg BTEX: 1.284.0 mg/kg: Chloride: 3,900.0 mg/kg
15			4				Depth: 15.00' - 16.00' BGS Benzene: 0.059 mg/kg BTEX: 6.098 mg/kg: Chloride: 6,260.0 mg/kg
		TD: 16.0'					
20							

Drill Method: Air Rotery

Drill Date: 6/29/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Client: John H. Hendrix Corporation

Project: Penrose Federal # 1

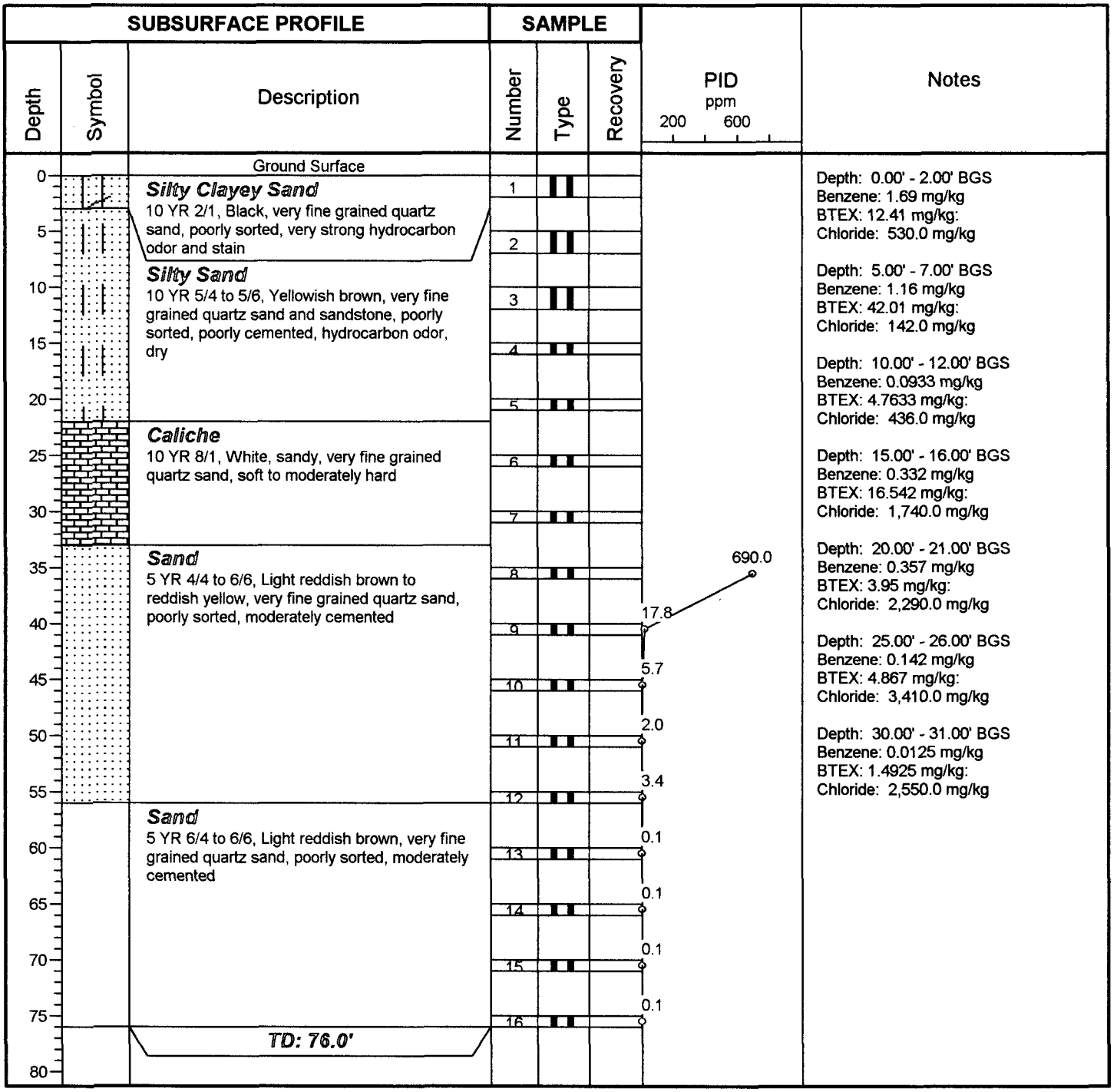
Project No: 6-0104-03

Location: Lea county, New Mexico

Log: BH-30

Page: 1 of 1

Geologist: M. Larson



Drill Method: Air Rotery

Drill Date: 6/29/06,10/05/06,10/31/06

Hole Size: 5"

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

Elevation: N/A

Checked by: MJL

Drilled by: Scarborough Drilling

Appendix C

Laboratory Reports

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/ Penrose Federal #1

Project Number: 6-0104-03

Location: None Given

Lab Order Number: 6F30011

Report Date: 07/07/06

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-21 0-2'	6F30011-01	Soil	06/29/06 09:28	06/30/06 11:12
BH-22 0-2'	6F30011-03	Soil	06/29/06 09:52	06/30/06 11:12
BH-23 0-2'	6F30011-05	Soil	06/29/06 12:27	06/30/06 11:12
BH-23 5-6'	6F30011-06	Soil	06/29/06 12:33	06/30/06 11:12
BH-24 0-2'	6F30011-08	Soil	06/29/06 12:46	06/30/06 11:12
BH-25 0-2'	6F30011-10	Soil	06/29/06 13:39	06/30/06 11:12
BH-26 0-2'	6F30011-12	Soil	06/29/06 13:55	06/30/06 11:12
BH-26 5-7'	6F30011-13	Soil	06/29/06 14:02	06/30/06 11:12
BH-26 10-11'	6F30011-14	Soil	06/29/06 14:08	06/30/06 11:12
BH-26 15-16'	6F30011-15	Soil	06/29/06 14:12	06/30/06 11:12
BH-27 0-2'	6F30011-16	Soil	06/29/06 14:28	06/30/06 11:12
BH-27 5-7'	6F30011-17	Soil	06/29/06 14:32	06/30/06 11:12
BH-27 10-11'	6F30011-18	Soil	06/29/06 14:40	06/30/06 11:12
BH-27 15-16'	6F30011-19	Soil	06/29/06 14:45	06/30/06 11:12
BH-28 0-2'	6F30011-20	Soil	06/29/06 14:56	06/30/06 11:12
BH-28 5-7'	6F30011-21	Soil	06/29/06 15:05	06/30/06 11:12
BH-28 10-11'	6F30011-22	Soil	06/29/06 15:10	06/30/06 11:12
BH-28 15-16'	6F30011-23	Soil	06/29/06 15:16	06/30/06 11:12
BH-29 5-7'	6F30011-25	Soil	06/29/06 15:30	06/30/06 11:12
BH-29 10-11'	6F30011-26	Soil	06/29/06 15:36	06/30/06 11:12
BH-29 15-16'	6F30011-27	Soil	06/29/06 15:40	06/30/06 11:12
BH-30 0-2'	6F30011-28	Soil	06/29/06 16:02	06/30/06 11:12
BH-30 5-7'	6F30011-29	Soil	06/29/06 16:05	06/30/06 11:12
BH-30 10-12'	6F30011-30	Soil	06/29/06 16:12	06/30/06 11:12
BH-30 15-16'	6F30011-31	Soil	06/29/06 16:18	06/30/06 11:12
BH-30 20-21'	6F30011-32	Soil	06/29/06 16:21	06/30/06 11:12
BH-30 25-26'	6F30011-33	Soil	06/29/06 16:30	06/30/06 11:12

Larson & Associates, Inc.
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Project: John Hendrix/ Penrose Federal #1
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Project Manager: Mark Larson

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-21 0-2' (6F30011-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.2 %*	*70-130*		"	"	"	"	
BH-22 0-2' (6F30011-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62719	06/30/06	07/05/06	EPA 8015M	
Carbon Ranges C12-C28	**359**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**185**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**544**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.6 %*	*70-130*		"	"	"	"	
BH-23 0-2' (6F30011-05) Soil									
Benzene	**3.85**	0.100	mg/kg dry	100	EF63020	06/30/06	07/05/06	EPA 8021B	
Toluene	**4.52**	0.100	"	"	"	"	"	"	
Ethylbenzene	**22.5**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**42.6**	0.100	"	"	"	"	"	"	
Xylene (o)	**12.5**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*262 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*181 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**2200**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**5230**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**942**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**8370**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*18.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*14.9 %*	*70-130*		"	"	"	"	*S-06*

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

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-23 5-6' (6F30011-06) Soil									
Carbon Ranges C6-C12	**49.9**	10.0	mg/kg dry	1	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**729**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**72.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**852**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*75.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.2 %*	*70-130*		"	"	"	"	
BH-24 0-2' (6F30011-08) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	
BH-25 0-2' (6F30011-10) Soil									
Carbon Ranges C6-C12	ND	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**2610**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**633**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**3240**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*15.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*14.2 %*	*70-130*		"	"	"	"	*S-06*
BH-26 0-2' (6F30011-12) Soil									
Benzene	**0.350**	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	**0.375**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.809**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.09**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.627**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*158 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**93.3**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**1670**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**268**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**2030**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*14.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*16.6 %*	*70-130*		"	"	"	"	*S-06*

Larson & Associates, Inc.
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Project: John Hendrix/ Penrose Federal #1
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Project Manager: Mark Larson

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-26 5-7' (6F30011-13) Soil									
Benzene	**0.0619**	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	**0.399**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.394**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.63**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.508**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*165 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*154 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**1860**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**6610**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**738**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**9210**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.6 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*26.6 %*	*70-130*		"	"	"	"	*S-06*
BH-26 10-11' (6F30011-14) Soil									
Benzene	**J [0.0112]**	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	J
Toluene	**0.132**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.223**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.367**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.145**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*135 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**455**	10.0	mg/kg dry	1	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**1630**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**190**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**2280**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.2 %*	*70-130*		"	"	"	"	

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-26 15-16' (6F30011-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62719	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*73.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.0 %*	*70-130*		"	"	"	"	
BH-27 0-2' (6F30011-16) Soil									
Benzene	**2.19**	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	**2.89**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**6.27**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**12.8**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.61**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*2080 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*208 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**2420**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**15200**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**2130**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**19800**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*20.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*35.2 %*	*70-130*		"	"	"	"	*S-06*

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-27 5-7' (6F30011-17) Soil									
Benzene	**0.555**	0.0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	**1.91**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**2.40**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**8.95**	0.0250	"	"	"	"	"	"	
Xylene (o)	**3.01**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1310 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*275 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**2270**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**5430**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**677**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**8380**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*18.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*20.0 %*	*70-130*		"	"	"	"	*S-06*
BH-27 10-11' (6F30011-18) Soil									
Benzene	**0.0529**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	
Toluene	**0.404**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.479**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.853**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.479**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*150 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*151 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**484**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**2090**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**255**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**2830**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*14.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*16.5 %*	*70-130*		"	"	"	"	*S-06*

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-27 15-16' (6F30011-19) Soil									
Benzene	**0.0553**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	
Toluene	**0.513**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.599**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.11**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.586**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*138 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*144 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**2330**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**7440**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**889**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**10700**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.8 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*84.4 %*	*70-130*		"	"	"	"	*S-06*
BH-28 0-2' (6F30011-20) Soil									
Benzene	**0.144**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	
Toluene	**0.290**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.362**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.360**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.171**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*166 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**132**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**6120**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**878**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**7130**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*15.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*19.3 %*	*70-130*		"	"	"	"	*S-06*

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Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-28 5-7' (6F30011-21) Soil									
Benzene	**0.106**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**0.848**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.04**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.79**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.26**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*192 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*175 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**1490**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**10500**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**1270**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**13300**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.1 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*15.7 %*	*70-130*		"	"	"	"	*S-06*
BH-28 10-11' (6F30011-22) Soil									
Benzene	**J [0.0105]**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	J
Toluene	**0.211**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.388**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.497**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.286**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*138 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**457**	10.0	mg/kg dry	1	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**1580**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**178**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**2220**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.8 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-28 15-16' (6F30011-23) Soil									
Benzene	**J [0.0182]**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	J
Toluene	**0.298**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.689**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.940**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.10**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*122 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*194 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**787**	50.0	mg/kg dry	5	EF62719	06/30/06	07/01/06	EPA 8015M	
Carbon Ranges C12-C28	**2730**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**291**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**3810**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*14.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*16.5 %*	*70-130*		"	"	"	"	*S-06*
BH-29 5-7' (6F30011-25) Soil									
Carbon Ranges C6-C12	**731**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**7310**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**938**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**8980**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*28.0 %*	*70-130*		"	"	"	"	*S-06*
BH-29 10-11' (6F30011-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	
Toluene	**0.0790**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.252**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.375**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.578**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*105 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*139 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**298**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**2140**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**205**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**2640**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*18.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*18.9 %*	*70-130*		"	"	"	"	*S-06*

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-29 15-16' (6F30011-27) Soil									
Benzene	**0.0590**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/05/06	EPA 8021B	
Toluene	**0.550**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.949**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.85**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.69**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*142 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*235 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**1260**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**3420**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**335**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**5020**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*20.6 %*	*70-130*		"	"	"	"	*S-06*
BH-30 0-2' (6F30011-28) Soil									
Benzene	**1.69**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**1.50**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**3.45**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.12**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.65**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1020 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*129 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**512**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**9100**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**1190**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**10800**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*16.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*14.2 %*	*70-130*		"	"	"	"	*S-06*

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 5-7' (6F30011-29) Soil									
Benzene	**1.16**	0.200	mg/kg dry	200	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**3.52**	0.200	"	"	"	"	"	"	
Ethylbenzene	**9.77**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**21.9**	0.200	"	"	"	"	"	"	
Xylene (o)	**5.66**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*148 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**1810**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**7990**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**874**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**10700**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*16.7 %*	*70-130*		"	"	"	"	*S-06*
BH-30 10-12' (6F30011-30) Soil									
Benzene	**0.0933**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**0.625**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.961**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**2.77**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.314**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*156 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*147 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**636**	10.0	mg/kg dry	1	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**2080**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**207**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**2920**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 15-16' (6F30011-31) Soil									
Benzene	**0.332**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**2.02**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**2.53**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**8.83**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.85**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*995 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*168 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**1550**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**5880**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**704**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**8130**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*19.1 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*25.6 %*	*70-130*		"	"	"	"	*S-06*
BH-30 20-21' (6F30011-32) Soil									
Benzene	**0.357**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**1.83**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.50**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**2.33**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.62**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1040 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*185 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**337**	10.0	mg/kg dry	1	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**887**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**100**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**1320**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.4 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 25-26' (6F30011-33) Soil									
Benzene	**0.142**	0.0250	mg/kg dry	25	EG60519	07/05/06	07/06/06	EPA 8021B	
Toluene	**0.973**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.22**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.65**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.882**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*228 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*215 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**808**	50.0	mg/kg dry	5	EF62711	06/30/06	07/03/06	EPA 8015M	
Carbon Ranges C12-C28	**2730**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**371**	50.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**3910**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*15.9 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*19.0 %*	*70-130*		"	"	"	"	*S-06*

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-21 0-2' (6F30011-01) Soil									
Chloride	**25.8**	5.00	mg/kg	10	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**6.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-22 0-2' (6F30011-03) Soil									
Chloride	**69.2**	5.00	mg/kg	10	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**3.7**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-23 0-2' (6F30011-05) Soil									
Chloride	**138**	10.0	mg/kg	20	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**10.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-23 5-6' (6F30011-06) Soil									
Chloride	**673**	10.0	mg/kg	20	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**7.9**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-24 0-2' (6F30011-08) Soil									
Chloride	**29.1**	5.00	mg/kg	10	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**12.9**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-25 0-2' (6F30011-10) Soil									
Chloride	**19.6**	5.00	mg/kg	10	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**14.3**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-26 0-2' (6F30011-12) Soil									
Chloride	**425**	10.0	mg/kg	20	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**12.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-26 5-7' (6F30011-13) Soil									
Chloride	**2350**	50.0	mg/kg	100	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**5.3**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-26 10-11' (6F30011-14) Soil									
Chloride	**5040**	100	mg/kg	200	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**5.2**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-26 15-16' (6F30011-15) Soil									
Chloride	**8730**	200	mg/kg	400	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-27 0-2' (6F30011-16) Soil									
Chloride	**1010**	10.0	mg/kg	20	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**8.1**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-27 5-7' (6F30011-17) Soil									
Chloride	**981**	20.0	mg/kg	40	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**6.2**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-27 10-11' (6F30011-18) Soil									
Chloride	**4260**	50.0	mg/kg	100	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-27 15-16' (6F30011-19) Soil									
Chloride	**1000**	20.0	mg/kg	40	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**29.5**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-28 0-2' (6F30011-20) Soil									
Chloride	**1020**	20.0	mg/kg	40	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**11.8**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-28 5-7' (6F30011-21) Soil									
Chloride	**1480**	25.0	mg/kg	50	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**24.8**	0.1	%	1	EG60301	06/30/06	07/03/06	% 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
BH-28 10-11' (6F30011-22) Soil									
Chloride	**5970**	100	mg/kg	200	EG60508	07/05/06	07/05/06	EPA 300.0	
% Moisture	**9.1**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-28 15-16' (6F30011-23) Soil									
Chloride	**10500**	200	mg/kg	400	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**11.1**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-29 5-7' (6F30011-25) Soil									
Chloride	**2680**	50.0	mg/kg	100	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**6.5**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-29 10-11' (6F30011-26) Soil									
Chloride	**3900**	100	mg/kg	200	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**3.2**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-29 15-16' (6F30011-27) Soil									
Chloride	**6260**	100	mg/kg	200	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**6.2**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-30 0-2' (6F30011-28) Soil									
Chloride	**530**	10.0	mg/kg	20	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**9.3**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-30 5-7' (6F30011-29) Soil									
Chloride	**142**	10.0	mg/kg	20	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**17.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-30 10-12' (6F30011-30) Soil									
Chloride	**436**	10.0	mg/kg	20	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**21.8**	0.1	%	1	EG60301	06/30/06	07/03/06	% 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
BH-30 15-16' (6F30011-31) Soil									
Chloride	**1740**	25.0	mg/kg	50	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**6.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-30 20-21' (6F30011-32) Soil									
Chloride	**2290**	50.0	mg/kg	100	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**19.4**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	
BH-30 25-26' (6F30011-33) Soil									
Chloride	**3410**	50.0	mg/kg	100	EG60518	07/05/06	07/05/06	EPA 300.0	
% Moisture	**4.1**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	

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 EF62711 - Solvent Extraction (GC)										
Blank (EF62711-BLK1)				Prepared: 06/30/06 Analyzed: 07/03/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*58.4*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.9*		*"*	*50.0*		*104*	*70-130*			
LCS (EF62711-BS1)				Prepared: 06/30/06 Analyzed: 07/03/06						
Carbon Ranges C6-C12	523	10.0	mg/kg wet	500		105	75-125			
Carbon Ranges C12-C28	507	10.0	"	500		101	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*57.9*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		*"*	*50.0*		*92.6*	*70-130*			
Calibration Check (EF62711-CCV1)				Prepared: 06/30/06 Analyzed: 07/04/06						
Carbon Ranges C6-C12	212		mg/kg	250		84.8	80-120			
Carbon Ranges C12-C28	268		"	250		107	80-120			
Total Hydrocarbon nC6-nC35	480		"	500		96.0	80-120			
Surrogate: 1-Chlorooctane	*56.8*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.3*		*"*	*50.0*		*107*	*70-130*			
Matrix Spike (EF62711-MS1)	**Source: 6F30012-02**			Prepared: 06/30/06 Analyzed: 07/03/06						
Carbon Ranges C6-C12	634	10.0	mg/kg dry	639	ND	99.2	75-125			
Carbon Ranges C12-C28	625	10.0	"	639	ND	97.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1260	10.0	"	1280	ND	98.4	75-125			
Surrogate: 1-Chlorooctane	*61.6*		*mg/kg*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.4*		*"*	*50.0*		*111*	*70-130*			

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Organics by GC - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62711 - Solvent Extraction (GC)										
Matrix Spike Dup (EF62711-MSD1)	**Source: 6F30012-02**			Prepared: 06/30/06 Analyzed: 07/03/06						
Carbon Ranges C6-C12	598	10.0	mg/kg dry	639	ND	93.6	75-125	5.84	20	
Carbon Ranges C12-C28	594	10.0	"	639	ND	93.0	75-125	5.09	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1190	10.0	"	1280	ND	93.0	75-125	5.71	20	
Surrogate: 1-Chlorooctane	*60.6*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.8*		*"*	*50.0*		*110*	*70-130*			
Batch EF62719 - Solvent Extraction (GC)										
Blank (EF62719-BLK1)				Prepared: 06/30/06 Analyzed: 07/01/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*54.6*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.3*		*"*	*50.0*		*113*	*70-130*			
LCS (EF62719-BS1)				Prepared: 06/30/06 Analyzed: 07/01/06						
Carbon Ranges C6-C12	524	10.0	mg/kg wet	500		105	75-125			
Carbon Ranges C12-C28	516	10.0	"	500		103	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1040	10.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	*54.0*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.6*		*"*	*50.0*		*93.2*	*70-130*			
Calibration Check (EF62719-CCV1)				Prepared: 06/30/06 Analyzed: 07/01/06						
Carbon Ranges C6-C12	208		mg/kg	250		83.2	80-120			
Carbon Ranges C12-C28	298		"	250		119	80-120			
Total Hydrocarbon nC6-nC35	505		"	500		101	80-120			
Surrogate: 1-Chlorooctane	*55.4*		*"*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.6*		*"*	*50.0*		*107*	*70-130*			

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Organics by GC - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62719 - Solvent Extraction (GC)										
Matrix Spike (EF62719-MS1)	**Source: 6F30011-15**			Prepared: 06/30/06 Analyzed: 07/05/06						
Carbon Ranges C6-C12	512	10.0	mg/kg dry	538	ND	95.2	75-125			
Carbon Ranges C12-C28	521	10.0	"	538	ND	96.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1030	10.0	"	1080	ND	95.4	75-125			
Surrogate: 1-Chlorooctane	*52.4*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.6*		*"*	*50.0*		*87.2*	*70-130*			
Matrix Spike Dup (EF62719-MSD1)	**Source: 6F30011-15**			Prepared: 06/30/06 Analyzed: 07/05/06						
Carbon Ranges C6-C12	529	10.0	mg/kg dry	538	ND	98.3	75-125	3.27	20	
Carbon Ranges C12-C28	528	10.0	"	538	ND	98.1	75-125	1.33	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1060	10.0	"	1080	ND	98.1	75-125	2.87	20	
Surrogate: 1-Chlorooctane	*53.8*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.2*		*"*	*50.0*		*86.4*	*70-130*			
Batch EF63020 - EPA 5030C (GC)										
Blank (EF63020-BLK1)				Prepared: 06/30/06 Analyzed: 07/05/06						
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	*36.4*		*ug/kg*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.3*		*"*	*40.0*		*98.2*	*80-120*			
LCS (EF63020-BS1)				Prepared: 06/30/06 Analyzed: 07/03/06						
Benzene	1.28	0.0250	mg/kg wet	1.25		102	80-120			
Toluene	1.37	0.0250	"	1.25		110	80-120			
Ethylbenzene	1.32	0.0250	"	1.25		106	80-120			
Xylene (p/m)	2.75	0.0250	"	2.50		110	80-120			
Xylene (o)	1.36	0.0250	"	1.25		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*45.8*		*ug/kg*	*40.0*		*114*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.7*		*"*	*40.0*		*96.8*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF63020 - EPA 5030C (GC)										
Calibration Check (EF63020-CCV1)				Prepared: 06/30/06 Analyzed: 07/05/06						
Benzene	51.7		ug/kg	50.0		103	80-120			
Toluene	55.7		"	50.0		111	80-120			
Ethylbenzene	57.1		"	50.0		114	80-120			
Xylene (p/m)	113		"	100		113	80-120			
Xylene (o)	56.8		"	50.0		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.9*		"	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.2*		"	*40.0*		*98.0*	*80-120*			
Matrix Spike (EF63020-MS1)		**Source: 6F30004-01**		Prepared: 06/30/06 Analyzed: 07/05/06						
Benzene	1.23	0.0250	mg/kg dry	1.26	ND	97.6	80-120			
Toluene	1.33	0.0250	"	1.26	ND	106	80-120			
Ethylbenzene	1.28	0.0250	"	1.26	ND	102	80-120			
Xylene (p/m)	2.79	0.0250	"	2.52	ND	111	80-120			
Xylene (o)	1.34	0.0250	"	1.26	ND	106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.7*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.6*		"	*40.0*		*91.5*	*80-120*			
Matrix Spike Dup (EF63020-MSD1)		**Source: 6F30004-01**		Prepared: 06/30/06 Analyzed: 07/05/06						
Benzene	1.19	0.0250	mg/kg dry	1.26	ND	94.4	80-120	3.33	20	
Toluene	1.32	0.0250	"	1.26	ND	105	80-120	0.948	20	
Ethylbenzene	1.30	0.0250	"	1.26	ND	103	80-120	0.976	20	
Xylene (p/m)	2.76	0.0250	"	2.52	ND	110	80-120	0.905	20	
Xylene (o)	1.41	0.0250	"	1.26	ND	112	80-120	5.50	20	
Surrogate: a,a,a-Trifluorotoluene	*35.9*		*ug/kg*	*40.0*		*89.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		"	*40.0*		*96.0*	*80-120*			
Batch EG60519 - EPA 5030C (GC)										
Blank (EG60519-BLK1)				Prepared & Analyzed: 07/05/06						
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	*35.2*		"	*40.0*		*88.0*	*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 EG60519 - EPA 5030C (GC)										
LCS (EG60519-BS1)				Prepared & Analyzed: 07/05/06						
Benzene	1.31	0.0250	mg/kg wet	1.25		105	80-120			
Toluene	1.45	0.0250	"	1.25		116	80-120			
Ethylbenzene	1.42	0.0250	"	1.25		114	80-120			
Xylene (p/m)	2.78	0.0250	"	2.50		111	80-120			
Xylene (o)	1.42	0.0250	"	1.25		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.3*		*ug/kg*	*40.0*		*90.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.5*		"	*40.0*		*114*	*80-120*			
Calibration Check (EG60519-CCV1)				Prepared: 07/05/06 Analyzed: 07/06/06						
Benzene	52.1		ug/kg	50.0		104	80-120			
Toluene	56.1		"	50.0		112	80-120			
Ethylbenzene	56.6		"	50.0		113	80-120			
Xylene (p/m)	113		"	100		113	80-120			
Xylene (o)	56.5		"	50.0		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.2*		"	*40.0*		*90.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.3*		"	*40.0*		*98.2*	*80-120*			
Matrix Spike (EG60519-MS1)		**Source: 6F30023-04**		Prepared: 07/05/06 Analyzed: 07/06/06						
Benzene	1.48	0.0250	mg/kg dry	1.36	0.0328	106	80-120			
Toluene	1.89	0.0250	"	1.36	0.386	111	80-120			
Ethylbenzene	2.18	0.0250	"	1.36	0.599	116	80-120			
Xylene (p/m)	3.74	0.0250	"	2.71	0.853	107	80-120			
Xylene (o)	2.05	0.0250	"	1.36	0.550	110	80-120			
Surrogate: a,a,a-Trifluorotoluene	*61.4*		*ug/kg*	*40.0*		*154*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*56.6*		"	*40.0*		*142*	*80-120*			*S-04*
Matrix Spike Dup (EG60519-MSD1)		**Source: 6F30023-04**		Prepared: 07/05/06 Analyzed: 07/06/06						
Benzene	1.47	0.0250	mg/kg dry	1.36	0.0328	106	80-120	0.00	20	
Toluene	1.95	0.0250	"	1.36	0.386	115	80-120	3.54	20	
Ethylbenzene	2.09	0.0250	"	1.36	0.599	110	80-120	5.31	20	
Xylene (p/m)	3.85	0.0250	"	2.71	0.853	111	80-120	3.67	20	
Xylene (o)	2.14	0.0250	"	1.36	0.550	117	80-120	6.17	20	
Surrogate: a,a,a-Trifluorotoluene	*50.9*		*ug/kg*	*40.0*		*127*	*80-120*			*S-04*
Surrogate: 4-Bromofluorobenzene	*66.3*		"	*40.0*		*166*	*80-120*			*S-04*

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG60301 - General Preparation (Prep)										
Blank (EG60301-BLK1)				Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	100		%							
Duplicate (EG60301-DUP1)		**Source: 6F30001-01**		Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	97.9		%		97.5			0.409	20	
Duplicate (EG60301-DUP2)		**Source: 6F30010-09**		Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	96.5		%		98.6			2.15	20	
Duplicate (EG60301-DUP3)		**Source: 6F30011-18**		Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	90.1		%		90.0			0.111	20	
Duplicate (EG60301-DUP4)		**Source: 6F30012-11**		Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	73.9		%		74.7			1.08	20	
Duplicate (EG60301-DUP5)		**Source: 6F30018-01**		Prepared: 06/30/06 Analyzed: 07/03/06						
% Solids	99.9		%		100			0.100	20	
Batch EG60508 - General Preparation (WetChem)										
Blank (EG60508-BLK1)				Prepared & Analyzed: 07/05/06						
Chloride	ND	0.500	mg/kg							
LCS (EG60508-BS1)				Prepared & Analyzed: 07/05/06						
Chloride	10.1	0.500	mg/kg	10.0		101	80-120			
Calibration Check (EG60508-CCV1)				Prepared & Analyzed: 07/05/06						
Chloride	10.2		mg/L	10.0		102	80-120			

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG60508 - General Preparation (WetChem)										
Duplicate (EG60508-DUP1)	**Source: 6F30011-06**			Prepared & Analyzed: 07/05/06						
Chloride	696	10.0	mg/kg		673			3.36	20	
Duplicate (EG60508-DUP2)	**Source: 6F30011-18**			Prepared & Analyzed: 07/05/06						
Chloride	4230	50.0	mg/kg		4260			0.707	20	
Matrix Spike (EG60508-MS1)	**Source: 6F30011-06**			Prepared & Analyzed: 07/05/06						
Chloride	948	10.0	mg/kg	200	673	138	80-120			S-07
Matrix Spike (EG60508-MS2)	**Source: 6F30011-18**			Prepared & Analyzed: 07/05/06						
Chloride	5560	50.0	mg/kg	1000	4260	130	80-120			S-07
Batch EG60518 - General Preparation (WetChem)										
Blank (EG60518-BLK1)				Prepared & Analyzed: 07/05/06						
Chloride	ND	0.500	mg/kg							
LCS (EG60518-BS1)				Prepared & Analyzed: 07/05/06						
Chloride	10.5	0.500	mg/kg	10.0		105	80-120			
Calibration Check (EG60518-CCV1)				Prepared & Analyzed: 07/05/06						
Chloride	10.5		mg/L	10.0		105	80-120			
Duplicate (EG60518-DUP1)	**Source: 6F30011-23**			Prepared & Analyzed: 07/05/06						
Chloride	10200	200	mg/kg		10500			2.90	20	
Duplicate (EG60518-DUP2)	**Source: 6F30012-02**			Prepared & Analyzed: 07/05/06						
Chloride	632	10.0	mg/kg		635			0.474	20	

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Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG60518 - General Preparation (WetChem)										
Matrix Spike (EG60518-MS1)	**Source: 6F30011-23**			Prepared & Analyzed: 07/05/06						
Chloride	15600	200	mg/kg	4000	10500	128	80-120			S-07
Matrix Spike (EG60518-MS2)	**Source: 6F30012-02**			Prepared & Analyzed: 07/05/06						
Chloride	895	10.0	mg/kg	200	635	130	80-120			S-07

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
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: 7-10-06

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.

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

Client: Larson

Date/Time: 6/30/08 11:12

Order #: 16F300

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.0 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?	OK ~~Yes~~	No	
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:

Field Code discrepancy on BH-30 10-12'

Variance Documentation:

Contact Person: -Mark Larson Date/Time: 07-04-08 @ 928 Contacted by: Carrie Kelly

Regarding:

Field code discrepancy on BH-30 10-12'

Corrective Action Taken:

Client wants to reference COC. Also all samples taken on 6/29

See attached e-mail.

Jeanne McMurrey

From: "Mark Larson" <mark@laenvironmental.com>
To: "'Jeanne McMurrey'" <jeanne@elabtexas.com>
Sent: Tuesday, July 04, 2006 9:28 PM
Subject: RE: COC's Received on 6/30/06

-----Original Message-----
From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]
Sent: Monday, July 03, 2006 8:39 AM
To: Mark Larson
Subject: RE: COC's Received on 6/30/06

Hello Mark,

There were a few sample name and/or time discrepancies on the COC's received on Friday. Please reply to this e-mail and let me know which times or name you would like for us to use. Thank you.

Project Name	Labels	COC	Correct
JH/ Ell. B-9 #1,4, 5	BH-19 10-11'	BH-19 10-18'	BH-19, 10-11'
JH/ Ell. B-9 #2, 3	BH-5 0-2' 10:24	BH-5 0-2' 10:42	BH-5, 0-2' 10:42
Penrose Federal #1	BH-30 10-11'	BH-30 10-12'	BH-30, 10-12'
Penrose Federal #1	Dated all 6/29/06	Front page all 6/28/06	Front page should be 6/29/06

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

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This message has been scanned for viruses and dangerous content by **BasinBroadband**, and is believed to be clean.

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:	SITE MANAGER:
John H. Hendrix Corp.	Mark Larson
PROJECT NO.:	PROJECT NAME:
6-0104-03	Perros Federal #1
PAGE 1 OF 2	LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015) DRO EXT	BTEX (8021B)	Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/29/06	0928		X		BH-21, 0-2'	1	✓		✓	-01	6F30011
	0935				BH-21, 5-6'	1				-02	
	0952				BH-22, 0-2'	1	✓		✓	-03	
	0955				BH-22, 5-6'	1				-04	
	12 27				BH-23, 0-2'	1	✓	✓	✓	-05	
	12 33				BH-23, 5-6'	1	✓		✓	-06	
	12 35				BH-23, 10-11'	1				-07	
	12 46				BH-24, 0-2'	1	✓		✓	-08	
	1250				BH-24, 5-6'	1				-09	
	1339				BH-25, 0-2'	1	✓		✓	-10	
	1346				BH-25, 5-7'	1				-11	
	1355				BH-26, 0-2'	1	✓	✓	✓	-12	
	1402				BH-26, 5-7'	1	✓	✓	✓	-13	
	1409				BH-26, 10-11'	1	✓	✓	✓	-14	
	1412				BH-26, 15-16'	1	✓	✓	✓	-15	
	1428				BH-27, 0-2'	1	✓	✓	✓	-16	
	1432				BH-27, 5-7'	1	✓	✓	✓	-17	
↓	1440		↓		BH-27, 10-11'	1	✓	✓	✓	-18	

SAMPLED BY: (Signature)	DATE: 6/29/06 TIME: 1630	RELINQUISHED BY: (Signature)	DATE: TIME:
RELINQUISHED BY: (Signature)	DATE: 6/30/06 TIME: 1112	RECEIVED BY: (Signature)	DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: ELT
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)
DATE: 6/30/06 TIME: 1120

SAMPLE CONDITION WHEN RECEIVED:
no labels ice no glass

LA CONTACT PERSON:
M. Larson

SAMPLE TYPE:
Soil

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: John H. Hendrix Corp.
SITE MANAGER: Mark Larson
PROJECT NO.: 6-0104-03
PROJECT NAME: Penrose Federal #1
PAGE 2 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (8015) DRO ERO	BTEX (8260)	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/29/00	1445		X		BH-27, 15-16'	1	✓	✓	✓	-19	6F30017
	1456				BH-28, 0-2'	1	✓	✓	✓	-20	
	1505				BH-28, 5-7'	1	✓	✓	✓	-21	
	1510				BH-28, 10-11'	1	✓	✓	✓	-22	
	1516				BH-28, 15-16'	1	✓	✓	✓	-23	
	1525				BH-29, 0-2'	1				-24	
	1530				BH-29, 5-7'	1	✓		✓	-25	
	1536				BH-29, 10-11'	1	✓	✓	✓	-26	
	1540				BH-29, 15-16'	1	✓	✓	✓	-27	
	1602				BH-30, 0-2'	1	✓	✓	✓	-28	
	1605				BH-30, 5-7'	1	✓	✓	✓	-29	
	1612				BH-30, 10-12'	1	✓	✓	✓	-30	
	1618				BH-30, 15-16'	1	✓	✓	✓	-31	
	1621				BH-30, 20-21'	1	✓	✓	✓	-32	
↓	1630		↓		BH-30, 25-26'	1	✓	✓	✓	-33	

SAMPLED BY: (Signature) DATE: 6/29/00 TIME: 1630
RELINQUISHED BY: (Signature) DATE: TIME:
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 6/30/00 TIME: 1112
RECEIVED BY: (Signature) DATE: TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: ELTI
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)
DATE: 6/30/00 TIME: 1120

SAMPLE CONDITION WHEN RECEIVED:
no labels 1.0

LA CONTACT PERSON:
M. Larson

SAMPLE TYPE: Soil

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/ Penrose Federal #1

Project Number: 6-0104-03

Location: None Given

Lab Order Number: 6G07008

Report Date: 07/12/06

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-30 30-31'	6G07008-01	Soil	07/05/06 11:10	07/07/06 11:10

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

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 30-31' (6G07008-01) Soil									
Benzene	**J [0.0125]**	0.0250	mg/kg dry	25	EG61103	07/11/06	07/11/06	EPA 8021B	J
Toluene	**0.260**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.339**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.525**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.356**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*124 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*138 %*	*80-120*		"	"	"	"	*S-04*
Carbon Ranges C6-C12	**587**	10.0	mg/kg dry	1	EF62324	07/07/06	07/08/06	EPA 8015M	
Carbon Ranges C12-C28	**2350**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**173**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**3110**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*110 %*	*70-130*		"	"	"	"	

Larson & Associates, Inc.
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Midland TX, 79710

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 30-31' (6G07008-01) Soil									
Chloride	**2550**	20.0	mg/kg Wet	2	EG61003	07/10/06	07/11/06	SW 846 9253	
% Moisture	**3.9**	0.1	%	1	EG61010	07/07/06	07/10/06	% calculation	

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EF62324 - Solvent Extraction (GC)										
Blank (EF62324-BLK1)				Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*49.6*		*mg/kg*	*50.0*		*99.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.3*		*"*	*50.0*		*94.6*	*70-130*			
LCS (EF62324-BS1)				Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	523	10.0	mg/kg wet	500		105	75-125			
Carbon Ranges C12-C28	533	10.0	"	500		107	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1060	10.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	*57.8*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.9*		*"*	*50.0*		*99.8*	*70-130*			
Calibration Check (EF62324-CCV1)				Prepared: 07/07/06 Analyzed: 07/09/06						
Carbon Ranges C6-C12	270		mg/kg	250		108	80-120			
Carbon Ranges C12-C28	293		"	250		117	80-120			
Total Hydrocarbon nC6-nC35	563		"	500		113	80-120			
Surrogate: 1-Chlorooctane	*64.0*		*"*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.0*		*"*	*50.0*		*120*	*70-130*			
Matrix Spike (EF62324-MS1)	**Source: 6G07012-06**			Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	553	10.0	mg/kg dry	582	ND	95.0	75-125			
Carbon Ranges C12-C28	570	10.0	"	582	ND	97.9	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1120	10.0	"	1160	ND	96.6	75-125			
Surrogate: 1-Chlorooctane	*61.6*		*mg/kg*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.2*		*"*	*50.0*		*104*	*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 EF62324 - Solvent Extraction (GC)										
Matrix Spike Dup (EF62324-MSD1)	**Source: 6G07012-06**			Prepared: 07/07/06 Analyzed: 07/08/06						
Carbon Ranges C6-C12	555	10.0	mg/kg dry	582	ND	95.4	75-125	0.361	20	
Carbon Ranges C12-C28	577	10.0	"	582	ND	99.1	75-125	1.22	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1130	10.0	"	1160	ND	97.4	75-125	0.889	20	
Surrogate: 1-Chlorooctane	*64.0*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.8*		*"*	*50.0*		*110*	*70-130*			
Batch EG61103 - EPA 5030C (GC)										
Blank (EG61103-BLK1)				Prepared & Analyzed: 07/11/06						
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	*40.9*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.8*		*"*	*40.0*		*102*	*80-120*			
LCS (EG61103-BS1)				Prepared & Analyzed: 07/11/06						
Benzene	1.34	0.0250	mg/kg wet	1.25		107	80-120			
Toluene	1.33	0.0250	"	1.25		106	80-120			
Ethylbenzene	1.29	0.0250	"	1.25		103	80-120			
Xylene (p/m)	2.89	0.0250	"	2.50		116	80-120			
Xylene (o)	1.40	0.0250	"	1.25		112	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.8*		*ug/kg*	*40.0*		*92.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.9*		*"*	*40.0*		*107*	*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 EG61103 - EPA 5030C (GC)										
Calibration Check (EG61103-CCV1)				Prepared & Analyzed: 07/11/06						
Benzene	56.1		ug/kg	50.0		112	80-120			
Toluene	54.6		"	50.0		109	80-120			
Ethylbenzene	55.7		"	50.0		111	80-120			
Xylene (p/m)	114		"	100		114	80-120			
Xylene (o)	55.6		"	50.0		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.1*		"	*40.0*		*97.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.7*		"	*40.0*		*99.2*	*80-120*			
Matrix Spike (EG61103-MS1)		**Source: 6G10004-03**		Prepared & Analyzed: 07/11/06						
Benzene	1.45	0.0250	mg/kg dry	1.29	ND	112	80-120			
Toluene	1.47	0.0250	"	1.29	ND	114	80-120			
Ethylbenzene	1.45	0.0250	"	1.29	ND	112	80-120			
Xylene (p/m)	3.03	0.0250	"	2.58	ND	117	80-120			
Xylene (o)	1.49	0.0250	"	1.29	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*ug/kg*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.2*		"	*40.0*		*116*	*80-120*			
Matrix Spike Dup (EG61103-MSD1)		**Source: 6G10004-03**		Prepared & Analyzed: 07/11/06						
Benzene	1.40	0.0250	mg/kg dry	1.29	ND	109	80-120	2.71	20	
Toluene	1.40	0.0250	"	1.29	ND	109	80-120	4.48	20	
Ethylbenzene	1.35	0.0250	"	1.29	ND	105	80-120	6.45	20	
Xylene (p/m)	2.99	0.0250	"	2.58	ND	116	80-120	0.858	20	
Xylene (o)	1.43	0.0250	"	1.29	ND	111	80-120	4.41	20	
Surrogate: a,a,a-Trifluorotoluene	*37.1*		*ug/kg*	*40.0*		*92.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.5*		"	*40.0*		*96.2*	*80-120*			

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61003 - General Preparation (WetChem)										
Blank (EG61003-BLK1)				Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EG61003-BS1)				Prepared & Analyzed: 07/11/06						
Chloride	83.0		mg/kg	100		83.0	80-120			
Matrix Spike (EG61003-MS1)		**Source: 6G07006-01**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	17800	20.0	mg/kg Wet	500	17200	120	80-120			
Matrix Spike Dup (EG61003-MSD1)		**Source: 6G07006-01**		Prepared: 07/10/06 Analyzed: 07/11/06						
Chloride	17800	20.0	mg/kg Wet	500	17200	120	80-120	0.00	20	
Reference (EG61003-SRM1)				Prepared & Analyzed: 07/11/06						
Chloride	50.0		mg/kg	50.0		100	80-120			
Batch EG61010 - General Preparation (Prep)										
Blank (EG61010-BLK1)				Prepared: 07/07/06 Analyzed: 07/11/06						
% Moisture	ND	0.1	%							
Duplicate (EG61010-DUP1)		**Source: 6G07002-01**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	92.8		%		94.6			1.92	20	
Duplicate (EG61010-DUP2)		**Source: 6G07004-12**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	86.8		%		87.8			1.15	20	
Duplicate (EG61010-DUP3)		**Source: 6G07007-03**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	90.1		%		89.0			1.23	20	

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Midland TX, 79710

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61010 - General Preparation (Prep)										
Duplicate (EG61010-DUP4)		**Source: 6G07012-03**		Prepared: 07/07/06 Analyzed: 07/10/06						
% Solids	95.2		%		94.0			1.27	20	

Notes and Definitions

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: 7-12-08

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.

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

Client: Larson

Date/Time: 7/7/06 11:10

Order #: 160700 8

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 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	
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:

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME:	SITE MANAGER:
John W. Hendrix Corp.	Mark Larson
PROJECT NO.:	PROJECT NAME:
6-0104-03	Penrose Federal #1

PAGE 1 OF 1 — LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: BTEX (8021B)	TPH (8015 DRO/GRO)	Chlorides	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/5/06	1110		X		BH-30, 30-31'	1	✓	✓	✓	606008	-01
"	1123		X		BH-30, 35-36'	1					-02

SAMPLED BY: (Signature) — DATE: 7/5/06 TIME: 1123
RELINQUISHED BY: (Signature) — DATE: 7/7/06 TIME: 11:10
RELINQUISHED BY: (Signature) — DATE: _____ TIME: _____
RECEIVED BY: (Signature) — DATE: _____ TIME: _____
RECEIVED BY: (Signature) — DATE: _____ TIME: _____

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

COMMENTS:

TURNAROUND TIME NEEDED

RECEIVING LABORATORY: ELT
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Roland Tuttle PHONE: (432) 563-1800
RECEIVED BY: (Signature) Carrie Kelly
DATE: 7/7/06 TIME: 11:10

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

SAMPLE CONDITION WHEN RECEIVED:
Iced glass 4.0 w/o labels

LA CONTACT PERSON:
Mark Larson

SAMPLE TYPE:
Soil

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/ Penrose Federal #1

Project Number: 6-0104-03

Location: None Given

Lab Order Number: 6G14013

Report Date: 07/20/06

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-25 5-7'	6G14013-01	Soil	06/29/06 13:46	06/30/06 11:12
BH-29 0-2'	6G14013-02	Soil	06/29/06 15:25	06/30/06 11:12

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-25 5-7' (6G14013-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EG61714	07/17/06	07/17/06	EPA 8015M	O-04
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	O-04
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	O-04
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	O-04
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	*O-04*
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	*O-04*
BH-29 0-2' (6G14013-02) Soil									
Carbon Ranges C6-C12	**79.7**	50.0	mg/kg dry	5	EG61714	07/17/06	07/17/06	EPA 8015M	O-04
Carbon Ranges C12-C28	**4830**	50.0	"	"	"	"	"	"	O-04
Carbon Ranges C28-C35	**735**	50.0	"	"	"	"	"	"	O-04
Total Hydrocarbon nC6-nC35	**5640**	50.0	"	"	"	"	"	"	O-04
Surrogate: 1-Chlorooctane		*18.0 %*	*70-130*		"	"	"	"	*O-04, S-06*
Surrogate: 1-Chlorooctadecane		*34.8 %*	*70-130*		"	"	"	"	*O-04, S-06*

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-25 5-7' (6G14013-01) Soil									
Chloride	**402**	10.0	mg/kg	20	EG61910	07/19/06	07/19/06	EPA 300.0	
% Moisture	**40.0**	0.1	%	1	EG61801	07/17/06	07/18/06	% calculation	
BH-29 0-2' (6G14013-02) Soil									
Chloride	**354**	10.0	mg/kg	20	EG61910	07/19/06	07/19/06	EPA 300.0	
% Moisture	**12.4**	0.1	%	1	EG61906	07/18/06	07/19/06	% calculation	

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61714 - Solvent Extraction (GC)										
Blank (EG61714-BLK1)				Prepared & Analyzed: 07/17/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*54.7*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.9*		*"*	*50.0*		*110*	*70-130*			
LCS (EG61714-BS1)				Prepared & Analyzed: 07/17/06						
Carbon Ranges C6-C12	517	10.0	mg/kg wet	500		103	75-125			
Carbon Ranges C12-C28	501	10.0	"	500		100	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbon nC6-nC35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*61.5*		*mg/kg*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.6*		*"*	*50.0*		*123*	*70-130*			
Calibration Check (EG61714-CCV1)				Prepared: 07/17/06 Analyzed: 07/18/06						
Carbon Ranges C6-C12	230		mg/kg	250		92.0	80-120			
Carbon Ranges C12-C28	270		"	250		108	80-120			
Total Hydrocarbon nC6-nC35	500		"	500		100	80-120			
Surrogate: 1-Chlorooctane	*39.1*		*"*	*50.0*		*78.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.7*		*"*	*50.0*		*81.4*	*70-130*			
Matrix Spike (EG61714-MS1)	**Source: 6G14012-01**			Prepared: 07/17/06 Analyzed: 07/18/06						
Carbon Ranges C6-C12	532	10.0	mg/kg dry	563	ND	94.5	75-125			
Carbon Ranges C12-C28	527	10.0	"	563	ND	93.6	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbon nC6-nC35	1060	10.0	"	1130	ND	93.8	75-125			
Surrogate: 1-Chlorooctane	*58.1*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.5*		*"*	*50.0*		*105*	*70-130*			

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61714 - Solvent Extraction (GC)										
Matrix Spike Dup (EG61714-MSD1)	**Source: 6G14012-01**			Prepared: 07/17/06	Analyzed: 07/18/06					
Carbon Ranges C6-C12	515	10.0	mg/kg dry	563	ND	91.5	75-125	3.25	20	
Carbon Ranges C12-C28	522	10.0	"	563	ND	92.7	75-125	0.953	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1040	10.0	"	1130	ND	92.0	75-125	1.90	20	
Surrogate: 1-Chlorooctane	*55.3*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.2*		*"*	*50.0*		*102*	*70-130*			

Larson & Associates, Inc.
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Midland TX, 79710

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61801 - General Preparation (Prep)										
Blank (EG61801-BLK1)				Prepared: 07/17/06 Analyzed: 07/18/06						
% Solids	98.8		%							
Duplicate (EG61801-DUP1)		**Source: 6G17002-01**		Prepared: 07/17/06 Analyzed: 07/18/06						
% Solids	94.2		%		94.4			0.212	20	
Duplicate (EG61801-DUP2)		**Source: 6G14012-01**		Prepared: 07/17/06 Analyzed: 07/18/06						
% Solids	90.2		%		88.8			1.56	20	
Batch EG61906 - General Preparation (Prep)										
Blank (EG61906-BLK1)				Prepared: 07/18/06 Analyzed: 07/19/06						
% Solids	99.7		%							
Duplicate (EG61906-DUP1)		**Source: 6G18002-01**		Prepared: 07/18/06 Analyzed: 07/19/06						
% Solids	99.5		%		99.4			0.101	20	
Duplicate (EG61906-DUP2)		**Source: 6G18005-02**		Prepared: 07/18/06 Analyzed: 07/19/06						
% Solids	95.7		%		95.9			0.209	20	
Duplicate (EG61906-DUP3)		**Source: 6G18009-06**		Prepared: 07/18/06 Analyzed: 07/19/06						
% Solids	89.4		%		90.7			1.44	20	
Batch EG61910 - General Preparation (WetChem)										
Blank (EG61910-BLK1)				Prepared & Analyzed: 07/19/06						
Chloride	ND	0.500	mg/kg							

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EG61910 - General Preparation (WetChem)										
LCS (EG61910-BS1)				Prepared & Analyzed: 07/19/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EG61910-CCV1)				Prepared & Analyzed: 07/19/06						
Chloride	10.2		mg/L	10.0		102	80-120			
Duplicate (EG61910-DUP1)		**Source: 6G14012-02**		Prepared & Analyzed: 07/19/06						
Chloride	542	10.0	mg/kg		544			0.368	20	
Duplicate (EG61910-DUP2)		**Source: 6G14008-03**		Prepared & Analyzed: 07/19/06						
Chloride	63.5	5.00	mg/kg		67.2			5.66	20	
Matrix Spike (EG61910-MS1)		**Source: 6G14012-02**		Prepared & Analyzed: 07/19/06						
Chloride	796	10.0	mg/kg	200	544	126	80-120			S-07
Matrix Spike (EG61910-MS2)		**Source: 6G14008-03**		Prepared & Analyzed: 07/19/06						
Chloride	168	5.00	mg/kg	100	67.2	101	80-120			

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

Project: John Hendrix/ Penrose Federal #1
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
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.
O-04	This sample was analyzed outside the EPA recommended holding time.
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: 7-20-06

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.

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

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: [illegible]
SITE MANAGER: Mark Larson
PROJECT NO.: [illegible]
PROJECT NAME: Pennzoil Federal #1
PAGE 1 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH (8015) DRO	TPH (8015) GRO	BTEX (8021B)	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/21/06	[illegible]		X		BH-21, 0-2'	1	✓			✓	-01	6G14011
	[illegible]				BH-21, 5-6'	1					-02	
	[illegible]				BH-22, 0-2'	1	✓			✓	-03	
	[illegible]				BH-22, 5-6'	1					-04	
	[illegible]				BH-23, 0-2'	1	✓	✓	✓	✓	-05	
	[illegible]				BH-23, 5-6'	1	✓			✓	-06	
	[illegible]				BH-23, 10-11'	1					-07	
	[illegible]				BH-24, 0-2'	1	✓			✓	-08	
	[illegible]				BH-24, 5-6'	1					-09	
	[illegible]				BH-25, 0-2'	1	✓			✓	-10	
	[illegible]				BH-25, 5-7'	1	X			X	-11	6G14013-01
	[illegible]				BH-26, 0-2'	1	✓	✓	✓	✓	-12	
	[illegible]				BH-26, 5-7'	1	✓	✓	✓	✓	-13	
	[illegible]				BH-26, 10-11'	1	✓	✓	✓	✓	-14	
	[illegible]				BH-26, 15-16'	1	✓	✓	✓	✓	-15	
	[illegible]				BH-27, 0-2'	1	✓	✓	✓	✓	-16	
	[illegible]				BH-27, 5-7'	1	✓	✓	✓	✓	-17	
	[illegible]				BH-27, 10-11'	1	✓	✓	✓	✓	-18	

SAMPLED BY: (Signature) [illegible]
DATE: 6/21/06
TIME: 1636

RELINQUISHED BY: (Signature)
DATE:
TIME:

RECEIVED BY: (Signature)
DATE:
TIME:

RELINQUISHED BY: (Signature) [illegible]
DATE: 6/30/06
TIME: 1112

RECEIVED BY: (Signature) COPY
DATE:
TIME:

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

COMMENTS: * Add 07-14-06 as per attached email

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: [illegible]
ADDRESS: [illegible]
CITY: [illegible] STATE: [illegible] ZIP: [illegible]
CONTACT: [illegible] PHONE: [illegible]

RECEIVED BY: (Signature) [illegible]
DATE: [illegible] TIME: [illegible]

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON: [illegible]

SAMPLE TYPE: Soil

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 H Hendrix Corp
SITE MANAGER: Mark Larson
PROJECT NO.: 6 [illegible] 03
PROJECT NAME: Penrose Federal #1
PAGE 1 OF 2
LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (8015) 2000	BTEX (8021B)	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/25/06	1115		X		BH-27, 15-16'	1	✓	✓	✓	-19	LFB0011
	1430				BH-28, 0-2'	1	✓	✓	✓	20	
	1505				BH-28, 5-7'	1	✓	✓	✓	21	
	1510				BH-28, 10-11'	1	✓	✓	✓	22	
	1515				BH-28, 15-16'	1	✓	✓	✓	23	
	1525				BH-29, 0-2'	1	X		X	24	6G14012-02
	1530				BH-29, 5-7'	1	✓		✓	25	
	1535				BH-29, 10-11'	1	✓	✓	✓	26	
	1540				BH-29, 15-16'	1	✓	✓	✓	27	
	1600				BH-30, 0-2'	1	✓	✓	✓	28	
	1605				BH-30, 5-7'	1	✓	✓	✓	29	
	1612				BH-30, 10-12'	1	✓	✓	✓	30	
	1618				BH-30, 15-16'	1	✓	✓	✓	31	
	1624				BH-30, 20-21'	1	✓	✓	✓	32	
↓	1630		↓		BH-30, 25-26'	1	✓	✓	✓	33	

SAMPLED BY: (Signature) — DATE: 1/25/06 TIME: 1630
RELINQUISHED BY: (Signature) — DATE: TIME:
RECEIVED BY: (Signature) — DATE: TIME:

RELINQUISHED BY: (Signature) — DATE: 1/26/06 TIME: 1115
RECEIVED BY: (Signature) — DATE: TIME:

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

COMMENTS:

COPY

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: ELTI
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Richard Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)
DATE: 1/26/06 TIME: 1116

SAMPLE CONDITION WHEN RECEIVED:
No bottles 1.0

LA CONTACT PERSON:
M Larson

SAMPLE TYPE: Soil

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

Client: Larson

Date/Time: 6/30/08 11:12

Order #: 6F350 / 6G140

Initials: CK

COPY

Sample Receipt Checklist

	Yes	No		
Temperature of container/cooler?			1.0	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 COC*	
Container labels legible and intact?	CK Yes	No		
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:

Field Code discrepancy on BH-30 10-12'

Variance Documentation:

Contact Person: Mark Larson Date/Time: 07-04-08 @ 928 Contacted by: Carrie Kelly

Regarding:

Field code discrepancy on BH-30 10-12'

Corrective Action Taken:

Client wants to reference COC. Also all samples taken on 6/29

See attached e-mail.

* Additional BTS beyond 14 day hold time.

Client wants to continue w/ analysis

See attached e-mail 07-14-08

Jeanne McMurrey

From: "Mark Larson" <mark@laenvironmental.com>
To: "'Jeanne McMurrey'" <jeanne@elabtexas.com>
Sent: Tuesday, July 04, 2006 9:28 PM
Subject: RE: COC's Received on 6/30/06

-----Original Message-----
From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]
Sent: Monday, July 03, 2006 8:39 AM
To: Mark Larson
Subject: RE: COC's Received on 6/30/06

Hello Mark,

There were a few sample name and/or time discrepancies on the COC's received on Friday. Please reply to this e-mail and let me know which times or name you would like for us to use. Thank you.

Project Name	Labels	COC	Correct
JH/ Ell. B-9 #1,4, 5	BH-19 10-11'	BH-19 10-18'	BH-19, 10-11'
JH/ Ell. B-9 #2, 3	BH-5 0-2' 10:24	BH-5 0-2' 10:42	BH-5, 0-2' 10.42
Penrose Federal #1	BH-30 10-11'	BH-30 10-12'	BH-30, 10-12'
Penrose Federal #1 6/29/06	Dated all 6/29/06	Front page all 6/28/06	Front page should be

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

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This message has been scanned for viruses and dangerous content by **BasinBroadband**, and is believed to be clean.

Jeanne McMurrey

From: "Mark Larson" <mark@laenvironmental.com>
To: "Jeanne McMurrey" <jeanne@elabtexas.com>
Sent: Friday, July 14, 2006 3:53 PM
Subject: RE: Additional Analysis, Report #6F30011 and #6G070008

Jeanne: Please run the TPH and chloride.
Mark

-----Original Message-----
From: Jeanne McMurrey [mailto:jeanne@elabtexas.com]
Sent: Friday, July 14, 2006 12:32 PM
To: Mark Larson
Subject: Re: Additional Analysis, Report #6F30011 and #6G070008

Hi Mark,
The TPH 8015 for Lab #6F30011 have gone beyond the 14 day hold time. The chlorides are fine. They were sampled 06/29. Do you still want to run the TPH 8015? Please let me know.
Thanks,
Jeanne

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800
----- Original Message -----
From: "Mark Larson" <mark@laenvironmental.com>
To: <jeanne@elabtexas.com>
Sent: Friday, July 14, 2006 11:32 AM
Subject: Re: Additional Analysis, Report #6F30011 and #6G070008

> Jeanne: Please run the following samples foe TPH (DRO and GRO) and
> chloride:
> BH-25, 5 - 7'
> BH-29, 0 - 2'
> Please call me if you have questions.
> Mark

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/ Penrose Federal

Project Number: 6-0102-03

Location: None Given

Lab Order Number: 6J06023

Report Date: 10/12/06

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0102-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-30, 35'	6J06023-01	Soil	10/05/06 12:33	10-06-2006 16:45
BH-30, 40'	6J06023-02	Soil	10/05/06 12:40	10-06-2006 16:45
BH-30, 45'	6J06023-03	Soil	10/05/06 12:53	10-06-2006 16:45
BH-30, 50'	6J06023-04	Soil	10/05/06 13:02	10-06-2006 16:45
BH-30, 55'	6J06023-05	Soil	10/05/06 13:15	10-06-2006 16:45

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0102-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30, 35' (6J06023-01) Soil									
Carbon Ranges C6-C10	**136**	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	**1220**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**1360**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	
BH-30, 40' (6J06023-02) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.0 %*	*70-130*		"	"	"	"	
BH-30, 45' (6J06023-03) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
BH-30, 50' (6J06023-04) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.6 %*	*70-130*		"	"	"	"	
BH-30, 55' (6J06023-05) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*78.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*73.2 %*	*70-130*		"	"	"	"	

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0102-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30, 35' (6J06023-01) Soil									
Chloride	**2340**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**1.0**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-30, 40' (6J06023-02) Soil									
Chloride	**2450**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**1.1**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-30, 45' (6J06023-03) Soil									
Chloride	**2340**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**1.0**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-30, 50' (6J06023-04) Soil									
Chloride	**2870**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**1.4**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-30, 55' (6J06023-05) Soil									
Chloride	**3400**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**2.5**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0102-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EJ60902 - Solvent Extraction (GC)										
Blank (EJ60902-BLK1)				Prepared & Analyzed: 10/09/06						
Carbon Ranges C6-C10	ND	10.0	mg/kg wet							
Carbon Ranges >C10-C28	ND	10.0	"							
Total Carbon Range C6-C28	ND	10.0	"							
Surrogate: 1-Chlorooctane	*48.9*		*mg/kg*	*50.0*		*97.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.1*		"	*50.0*		*88.2*	*70-130*			
LCS (EJ60902-BS1)				Prepared & Analyzed: 10/09/06						
Carbon Ranges C6-C10	522	10.0	mg/kg wet	500		104	75-125			
Carbon Ranges >C10-C28	432	10.0	"	500		86.4	75-125			
Total Carbon Range C6-C28	954	10.0	"	1000		95.4	75-125			
Surrogate: 1-Chlorooctane	*56.3*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.8*		"	*50.0*		*85.6*	*70-130*			
Calibration Check (EJ60902-CCV1)				Prepared: 10/09/06 Analyzed: 10/10/06						
Carbon Ranges C6-C10	201		mg/kg	250		80.4	80-120			
Carbon Ranges >C10-C28	249		"	250		99.6	80-120			
Total Carbon Range C6-C28	450		"	500		90.0	80-120			
Surrogate: 1-Chlorooctane	*52.8*		"	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.0*		"	*50.0*		*92.0*	*70-130*			
Matrix Spike (EJ60902-MS1)	**Source: 6J06021-04**			Prepared: 10/09/06 Analyzed: 10/10/06						
Carbon Ranges C6-C10	602	10.0	mg/kg dry	504	ND	119	75-125			
Carbon Ranges >C10-C28	537	10.0	"	504	ND	107	75-125			
Total Carbon Range C6-C28	1140	10.0	"	1010	ND	113	75-125			
Surrogate: 1-Chlorooctane	*63.0*		*mg/kg*	*50.0*		*126*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.3*		"	*50.0*		*103*	*70-130*			
Matrix Spike Dup (EJ60902-MSD1)	**Source: 6J06021-04**			Prepared: 10/09/06 Analyzed: 10/10/06						
Carbon Ranges C6-C10	523	10.0	mg/kg dry	504	ND	104	75-125	14.0	20	
Carbon Ranges >C10-C28	466	10.0	"	504	ND	92.5	75-125	14.2	20	
Total Carbon Range C6-C28	989	10.0	"	1010	ND	97.9	75-125	14.2	20	
Surrogate: 1-Chlorooctane	*55.9*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.0*		"	*50.0*		*82.0*	*70-130*			

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 EJ60612 - General Preparation (Prep)										
Blank (EJ60612-BLK1)				Prepared & Analyzed: 10/06/06						
% Solids	99.8		%							
% Moisture	0.2	0.1	"							
Duplicate (EJ60612-DUP1)		**Source: 6J06001-01**		Prepared & Analyzed: 10/06/06						
% Solids	89.6		%		90.0			0.445	20	
Duplicate (EJ60612-DUP2)		**Source: 6J05021-03**		Prepared: 10/06/06 Analyzed: 10/10/06						
% Solids	76.1		%		76.1			0.00	20	
Duplicate (EJ60612-DUP3)		**Source: 6J06007-02**		Prepared: 10/06/06 Analyzed: 10/10/06						
% Solids	91.5		%		91.0			0.548	20	
Duplicate (EJ60612-DUP4)		**Source: 6J05008-12**		Prepared: 10/06/06 Analyzed: 10/10/06						
% Solids	92.7		%		91.7			1.08	20	
Duplicate (EJ60612-DUP5)		**Source: 6J06020-02**		Prepared: 10/06/06 Analyzed: 10/10/06						
% Solids	94.1		%		94.4			0.318	20	
Duplicate (EJ60612-DUP6)		**Source: 6J06016-02**		Prepared: 10/06/06 Analyzed: 10/10/06						
% Solids	97.6		%		98.8			1.22	20	
Batch EJ60904 - Water Extraction										
Blank (EJ60904-BLK1)				Prepared & Analyzed: 10/09/06						
Chloride	ND	20.0	mg/kg Wet							
LCS (EJ60904-BS1)				Prepared & Analyzed: 10/09/06						
Chloride	91.5	5.00	mg/kg Wet	100		91.5	80-120			

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

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0102-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EJ60904 - Water Extraction										
Matrix Spike (EJ60904-MS1)		**Source: 6J06021-03**		Prepared & Analyzed: 10/09/06						
Chloride	2210	20.0	mg/kg Wet	500	1700	102	80-120			
Matrix Spike Dup (EJ60904-MSD1)		**Source: 6J06021-03**		Prepared & Analyzed: 10/09/06						
Chloride	2190	20.0	mg/kg Wet	500	1700	98.0	80-120	0.909	20	
Reference (EJ60904-SRM1)				Prepared & Analyzed: 10/09/06						
Chloride	51.0		mg/kg	50.0		102	80-120			

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0102-03
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

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: Celey D. Keene Date: 10/12/06

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.

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

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.: 6-0102-03

PROJECT NAME: Penrose Federal

PAGE 1 OF 1

LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH (8015B)	Chlorides								Hold	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
10/5/06	12:33		✓		BH-30, 35'	1	✓	✓									6J06023-01	
"	12:40		✓		BH-30, 40'	1	✓	✓									-02	
"	12:53		✓		BH-30, 45'	1	✓	✓									-03	
"	13:02		✓		BH-30, 50'	1	✓	✓									-04	
"	13:15		✓		BH-30, 55'	1	✓	✓									-05	

SAMPLED BY: (Signature) DATE: 10/5/06 TIME: 13:13

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 10/6/06 TIME: 16:45

RECEIVED BY: (Signature) DATE: TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: ELOT
ADDRESS: 12600 W I-20 E.
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: Kelly Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)
DATE: 10-06-06 TIME: 1645

SAMPLE CONDITION WHEN RECEIVED:
4oz glass ice 4.0°C

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE: Soil

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson + Associates

Date/ Time: 10-06-06 @ 1645

Lab ID # : 610623

Initials: JMM

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	(ID written on Cont./ Lid)	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

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/ Penrose Federal

Project Number: 6-0104-03

Location: None Given

Lab Order Number: 6K01011

Report Date: 11/08/06

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-30 60'-61'	6K01011-01	Soil	10/31/06 14:15	11-01-2006 08:30
BH-30 65'-66'	6K01011-02	Soil	10/31/06 14:48	11-01-2006 08:30
BH-30 70'-71'	6K01011-03	Soil	10/31/06 15:01	11-01-2006 08:30

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 60'-61' (6K01011-01) Soil									
Chloride	**2720**	50.0	mg/kg	100	EK60501	11/05/06	11/05/06	EPA 300.0	
BH-30 65'-66' (6K01011-02) Soil									
Chloride	**2600**	50.0	mg/kg	100	EK60501	11/05/06	11/05/06	EPA 300.0	
BH-30 70'-71' (6K01011-03) Soil									
Chloride	**4310**	50.0	mg/kg	100	EK60501	11/05/06	11/05/06	EPA 300.0	

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

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 EK60501 - Water Extraction										
Blank (EK60501-BLK1)				Prepared & Analyzed: 11/05/06						
Chloride	ND	0.500	mg/kg							
LCS (EK60501-BS1)				Prepared & Analyzed: 11/05/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EK60501-CCV1)				Prepared & Analyzed: 11/05/06						
Chloride	11.1		mg/L	10.0		111	80-120			
Duplicate (EK60501-DUP1)		**Source: 6J31011-06**		Prepared & Analyzed: 11/05/06						
Chloride	23.3	5.00	mg/kg		22.6			3.05	20	
Duplicate (EK60501-DUP2)		**Source: 6K01010-04**		Prepared & Analyzed: 11/05/06						
Chloride	1700	500	mg/kg		1800			5.71	20	
Matrix Spike (EK60501-MS1)		**Source: 6J31011-06**		Prepared & Analyzed: 11/05/06						
Chloride	122	5.00	mg/kg	100	22.6	99.4	80-120			

Notes and Definitions

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: 11-08-06

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: JHHC

SITE MANAGER: M. Larson

PROJECT NO.: 6-0104-03

PROJECT NAME: Penrose Federal

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: Chloride (300)	PARAMETERS/METHOD NUMBER: Hold	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
10/31/04	1415		X		BH-30, 60'-61'	1	✓			40401-01
	1448				BH-30, 65'-66'	1	✓			-02
	1501				BH-30, 70'-71'	1	✓			-03
	1520				BH-30, 75-76'	1		✓		-04

SAMPLED BY: (Signature)

DATE: 10/31/04
TIME: 1526

RELINQUISHED BY: (Signature)

DATE:
TIME:

RECEIVED BY: (Signature)

DATE:
TIME:

RELINQUISHED BY: (Signature)

DATE: 11/1/04
TIME: 0830

RECEIVED BY: (Signature)

DATE:
TIME:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

RECEIVING LABORATORY: Env. Lab of Texas
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79763
CONTACT: R. Tuttle PHONE: (432) 563-1800

RECEIVED BY: (Signature)

DATE: 11/1/04 TIME: 0830

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

SAMPLE CONDITION WHEN RECEIVED:

2.0 4oz glass w/o labels

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE: Soil

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson

Date/ Time: 11/01/06 8:30

Lab ID # : 610101

Initials: MK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	2.6 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

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/ Elliott B-9 #1, #4, & #5

Project Number: 6-0102-01

Location: None Given

Lab Order Number: 6J06021

Report Date: 10/12/06

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

Project: John Hendrix/ Elliott B-9 #1, #4, & #5
Project Number: 6-0102-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-14, 25'	6J06021-01	Soil	10/04/06 15:44	10-06-2006 16:45
BH-14, 30'	6J06021-02	Soil	10/04/06 15:50	10-06-2006 16:45
BH-14, 35'	6J06021-03	Soil	10/04/06 16:00	10-06-2006 16:45
BH-14, 40'	6J06021-04	Soil	10/04/06 16:10	10-06-2006 16:45

Larson & Associates, Inc.	Project: John Hendrix/ Elliott B-9 #1, #4, & #5	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 6-0102-01	
Midland TX, 79710	Project Manager: Mark Larson	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-14, 25' (6J06021-01) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
BH-14, 30' (6J06021-02) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	**57.0**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**57.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*112 %*	*70-130*		"	"	"	"	
BH-14, 35' (6J06021-03) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/09/06	EPA 8015B	
Carbon Ranges >C10-C28	**53.4**	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	**53.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.6 %*	*70-130*		"	"	"	"	
BH-14, 40' (6J06021-04) Soil									
Carbon Ranges C6-C10	ND	10.0	mg/kg dry	1	EJ60902	10/09/06	10/10/06	EPA 8015B	
Carbon Ranges >C10-C28	ND	10.0	"	"	"	"	"	"	
Total Carbon Range C6-C28	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*84.0 %*	*70-130*		"	"	"	"	

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

Larson & Associates, Inc.	Project: John Hendrix/ Elliott B-9 #1, #4, & #5	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 6-0102-01	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-14, 25' (6J06021-01) Soil									
Chloride	**2980**	20.0	mg/kg Wet	2	EJ60903	10/09/06	10/09/06	SW 846 9253	
% Moisture	**2.9**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-14, 30' (6J06021-02) Soil									
Chloride	**2230**	20.0	mg/kg Wet	2	EJ60903	10/09/06	10/09/06	SW 846 9253	
% Moisture	**1.2**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-14, 35' (6J06021-03) Soil									
Chloride	**1700**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**1.2**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	
BH-14, 40' (6J06021-04) Soil									
Chloride	**1600**	20.0	mg/kg Wet	2	EJ60904	10/09/06	10/09/06	SW 846 9253	
% Moisture	**0.7**	0.1	%	1	EJ60612	10/06/06	10/08/06	% calculation	

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

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/ Penrose Federal

Project Number: 6-0104-03

Location: None Given

Lab Order Number: 6K01011

Report Date: 11/08/06

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

Project: John Hendrix/ Penrose Federal
Project Number: 6-0104-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-30 60'-61'	6K01011-01	Soil	10/31/06 14:15	11-01-2006 08:30
BH-30 65'-66'	6K01011-02	Soil	10/31/06 14:48	11-01-2006 08:30
BH-30 70'-71'	6K01011-03	Soil	10/31/06 15:01	11-01-2006 08:30

Larson & Associates, Inc.	Project: John Hendrix/ Penrose Federal	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 6-0104-03	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-30 60'-61' (6K01011-01) Soil									
Chloride	**2720**	50.0	mg/kg	100	EK60501	11/05/06	11/05/06	EPA 300.0	
BH-30 65'-66' (6K01011-02) Soil									
Chloride	**2600**	50.0	mg/kg	100	EK60501	11/05/06	11/05/06	EPA 300.0	
BH-30 70'-71' (6K01011-03) Soil									
Chloride	**4310**	50.0	mg/kg	100	EK60501	11/05/06	11/05/06	EPA 300.0	

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

Larson & Associates, Inc.	Project: John Hendrix/ Penrose Federal	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 6-0104-03	
Midland TX, 79710	Project Manager: Mark Larson	

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 EK60501 - Water Extraction										
Blank (EK60501-BLK1)				Prepared & Analyzed: 11/05/06						
Chloride	ND	0.500	mg/kg							
LCS (EK60501-BS1)				Prepared & Analyzed: 11/05/06						
Chloride	10.2	0.500	mg/kg	10.0		102	80-120			
Calibration Check (EK60501-CCV1)				Prepared & Analyzed: 11/05/06						
Chloride	11.1		mg/L	10.0		111	80-120			
Duplicate (EK60501-DUP1)		**Source: 6J31011-06**		Prepared & Analyzed: 11/05/06						
Chloride	23.3	5.00	mg/kg		22.6			3.05	20	
Duplicate (EK60501-DUP2)		**Source: 6K01010-04**		Prepared & Analyzed: 11/05/06						
Chloride	1700	500	mg/kg		1800			5.71	20	
Matrix Spike (EK60501-MS1)		**Source: 6J31011-06**		Prepared & Analyzed: 11/05/06						
Chloride	122	5.00	mg/kg	100	22.6	99.4	80-120			

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

Larson & Associates, Inc.	Project: John Hendrix/ Penrose Federal	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 6-0104-03	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

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: 11/8/2006

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: JHHC
SITE MANAGER: M. Larson
PROJECT NO.: 6-0104-03
PROJECT NAME: Penrose Federal
PAGE 1 OF 1
LAB. PO #

PARAMETERS/METHOD NUMBER: Chloride (300); BTEX

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
10/31/14	1515		X		BH-30, 60'-61'	1		(6 Kolad Tot
	1448				BH-30, 65'-66'	1		-02
	1501				BH-30, 70'-71'	1		-03
↓	1520		↓		BH-30, 75'-76'	1		-04

SAMPLED BY: (Signature) DATE: 10/31/14 TIME: 1526
RELINQUISHED BY: (Signature) DATE: TIME:
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 11/1/14 TIME: 0830
RECEIVED BY: (Signature) DATE: TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

RECEIVING LABORATORY: Env. Lab of Texas
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: TX ZIP: 79765
CONTACT: R. Tuttle PHONE: (432) 563-1800
RECEIVED BY: (Signature)
DATE: 11/1/14 TIME: 08:30

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

SAMPLE CONDITION WHEN RECEIVED:
2 - 4oz glass w/o labels

LA CONTACT PERSON: Mark Larson

SAMPLE TYPE: Soil

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson

Date/ Time: 11/01/06 8:30

Lab ID #: 611010 11

Initials: MK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	2.6 °C	
#2	Shipping container in good condition?	~~Yes~~	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	~~Yes~~	No		
#6	Sample instructions complete of Chain of Custody?	~~Yes~~	No		
#7	Chain of Custody signed when relinquished/ received?	~~Yes~~	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	~~Yes~~	No		
#11	Containers supplied by ELOT?	~~Yes~~	No		
#12	Samples in proper container/ bottle?	~~Yes~~	No	See Below	
#13	Samples properly preserved?	~~Yes~~	No	See Below	
#14	Sample bottles intact?	~~Yes~~	No		
#15	Preservations documented on Chain of Custody?	~~Yes~~	No		
#16	Containers documented on Chain of Custody?	~~Yes~~	No		
#17	Sufficient sample amount for indicated test(s)?	~~Yes~~	No	See Below	
#18	All samples received within sufficient hold time?	~~Yes~~	No	See Below	
#19	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

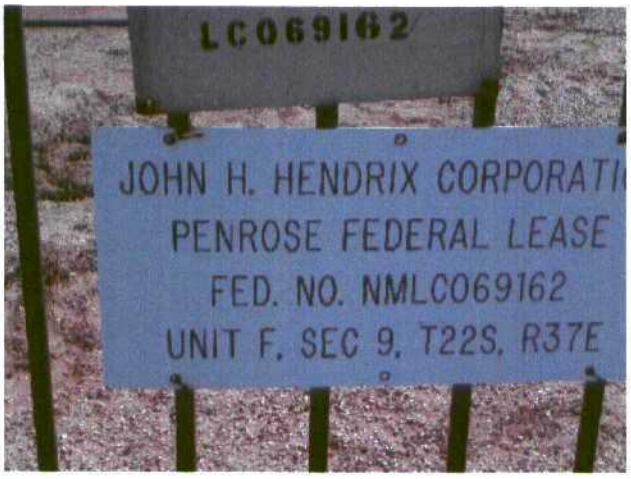
Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Appendix D

Photographs

UNIT F, SECTION 9, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
PENROSE FEDERAL BATTERY # 1



1. (Site #4) Location Sign

2. (Site #4), Historic Hydrocarbons West of Location, Looking East

3. (Site #4) Historic Hydrocarbons West of Location, Looking East

UNIT F, SECTION 9, T-22-S, R-37-E, LEA COUNTY, NEW MEXICO
PENROSE FEDERAL BATTERY # 1

4. (Site #4) Historic Hydrocarbons
West of Location, Looking East