1R - 465

WORKPLAN

2/21/2005

Larson & Associates, Inc.
Environmental Consultants

February 21, 2005

Mr. Paul Sheeley
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1625 North French Drive
Hobbs, New Mexico 88240

Re: Investigation Report and Remediation Plan for Unlined Surface Impoundment, John H. Hendrix Corp., Will Cary Lease, Unit Letter F (SE/4, NW/4), Section 22, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Sheeley:

On January 13, 2005, the New Mexico Oil Conservation Division ("NMOCD") approved the work plan titled, *"Revised Unlined Surface Impoundment Investigation Work Plan, John H. Hendrix Corp., Will Cary Lease, Unit Letter F (SE/4, NW/4), Section 22, Township 22 South, Range 37 East, Lea County, New Mexico"*. The work plan was prepared by Larson and Associates, Inc. ("LA"), on behalf of John H. Hendrix Corporation ("JHHC"), and proposed to collect soil samples from five (5) borings drilled in and around an unlined surface impoundment ("Pit") once associated with the Will Cary Lease in Unit Letter F (SE/4, NW/4), Section 22, Township 22 South, Range 37 East, Lea County, New Mexico. This report presents the results of the investigation and a remediation work plan. The investigation was performed between January 20 and 21, 2005. Figure 1 presents a location and topographic map.

Current Investigation

Soil samples were collected from five (5) borings (BH-1 through BH-5) drilled adjacent to the pit (BH-1, BH-2, BH-3 and BH-5), and near the center of the pit (BH-4) on January 20 – 21, 2005. Universal Drilling, Inc. ("Universal") drilled the borings to about 70 feet below ground surface ("BGS") using an air rotary rig, and collected soil samples beginning at ground surface, and approximately every 5 feet thereafter (i.e., 5' to 7', 10' to 12', 15' to 17', etc.) using a jam tube sampler. The jam tube sampler was washed between samples using a solution of Alconox® detergent and water, and rinsed with distilled water. The drilling equipment (i.e., rig, bits, rods, etc.) was washed between locations using a high-pressure sprayer. Drill cuttings were placed on the ground adjacent to the borings until disposal is arranged. Ground water was not observed in the borings, and the borings were plugged with bentonite. Figure 2 presents the drilling locations.

The laboratory samples were placed in clean glass sample jars, sealed, labeled, preserved, and delivered under chain-of-custody control to Environmental Lab of Texas, Inc. ("ELTI") located in Odessa, Texas. Duplicate samples were also collected in accordance with NMOCD guidelines for headspace analysis. The duplicate samples were placed in clean glass sample jars, sealed with aluminum foil, and tested with a RAE Instruments, Model 2000, photoioization detector ("PID") calibrated to a 100 parts per million ("ppm") isobutylene standard. The headspace readings were recorded on field boring log forms presented in Appendix A.

All soil samples exhibiting field headspace readings above 100 ppm were analyzed by the laboratory for benzene, toluene, ethylbenzene and xylene ("BTEX") using method SW-846-8021B. Samples were also analyzed for total petroleum hydrocarbons ("TPH") using method SW-846-8015 for gasoline range organics ("GRO") and diesel range organics ("DRO"), and chloride using method SW-846-9253. Table 1 presents a summary of the laboratory and headspace analysis. Appendix B presents the laboratory report and chain-of-custody documentation. Appendix C presents photographs.

Conclusions

The NMOCD recommended remediation action levels ("RRAL") for benzene, total BTEX and TPH were calculated using the following criteria:

Criteria	Result	Ranking Score
Depth-to-Groundwater	50 – 99 feet	10
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Feet (Horizontal)	0
	Total Score:	**10**

The following RRAL were assigned to the Site in the work plan:

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

Referring to Table 1, benzene was not detected above the RRAL (10 mg/Kg). Total BTEX was reported above the RRAL (50 mg/Kg) in samples BH-4, 5 to 6 feet (64.91 mg/Kg) and BH-4, 10 to 11 feet (86.41 mg/kg). The RRAL for TPH (1,000 mg/Kg) was exceeded in samples BH-4, 5 to 6 feet (9,800 mg/Kg), BH-4, 10 to 11 feet (11,500 mg/Kg), BH-4, 15 to 16 feet (2,340 mg/Kg), and BH-4, 25 to 26 feet (1,530 mg/Kg). The highest chloride concentrations were reported in samples BH-1, 15 to 17 feet (4,550 mg/Kg) and BH-5, 20 to 21 feet (3,340 mg/Kg).

JHHC will remediate the emergency pit in accordance with NMOCD guidelines to achieve the RRAL for BTEX (50 mg/Kg) and TPH (1,000 mg/Kg). The pit will be

excavated, and soil hauled to the JHHC centralized surface waste management facility (Permit Number NM-02-0021) for land farming. Final soil samples will be collected from the bottom and sides of the excavation, preserved, submitted under chain-of-custody control to an environmental laboratory, and analyzed for BTEX, TPH and chloride. The excavation will be filled with clean soil after receiving NMOCD approval. The NMOCD and landowner will be notified approximately one (1) week prior to commencing work, and a closure report will be submitted to the NMOCD once the project is completed. Please call Mr. Ron Westbrook with JHHC at (432) 684-6631 or myself at (432) 687-0901 if you have questions. We may also be reached by email at RonniwW@JHHC.org or Mark@LAEnvironmental.com.

Sincerely,

Larson and Associates, Inc.

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

Enclosures

cc: Ron Westbrook
Michael Klein

TABLES

Table 1:
Summary of Headspace and Laboratory Analysis of Soil Samples
John Hendrix Corporation, Will Cary Emergency Pit
UL-F, Section 22, Township 22 South, Range 37 East
Lea County, New Mexico

Boring	Date Drilled	Sample Depth (Feet BGS)	GRO C6-C12 (mg/Kg)	DRO >C12-C35 (mg/Kg)	TPH C6-C35 (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylene m/p/o (mg/Kg)	Total BTEX (mg/Kg)	Total Chloride (mg/Kg)	Headspace PID (ppm)
RRAL:												
BH-1	1/20/2005	0-2	<10.00	9.03	9.03	---	---	---	---	---	160	0.9
		5-7	---	---	---	---	---	---	---	---	1940	104.0
		10-12	<10.00	<10.00	<20.00	---	---	---	---	---	1600	0.8
		15-17	---	---	---	---	---	---	---	---	4550	0.8
		20-22	<10.00	23.2	23.2	---	---	---	---	---	2770	1.2
		25-27	---	---	---	---	---	---	---	---	1700	1.2
		30-32	<10.00	<10.00	<20.00	---	---	---	---	---	1170	0.8
		40-41	---	---	---	---	---	---	---	---	255	0.5
		50-51	---	---	---	---	---	---	---	---	617	1.2
		60-61	---	---	---	---	---	---	---	---	1810	1.6
		70-71	<10.00	<10.00	<20.00	---	---	---	---	---	2550	1.2
BH-2	1/20/2005	0-2	<10.00	<10.00	<20.00	---	---	---	---	---	<20.0	0.4
		5-6	---	---	---	---	---	---	---	---	1170	0.7
		10-11	<10.00	<10.00	<20.00	---	---	---	---	---	1060	0.6
		15-17	---	---	---	---	---	---	---	---	1380	0.4
		20-21	<10.00	<10.00	<20.00	---	---	---	---	---	1170	0.4
		25-26	---	---	---	---	---	---	---	---	1170	0.4
		30-31	<10.00	40.2	40.2	---	---	---	---	---	213	0.8
		40-41	---	---	---	---	---	---	---	---	<20.0	0.6
		50-51	---	---	---	---	---	---	---	---	<20.0	0.5
		60-61	---	---	---	---	---	---	---	---	<20.0	0.7
		70-71	<10.00	<10.00	<20.00	---	---	---	---	---	213	0.3
BH-3	1/20/2005	0-2	<10.00	<10.00	<20.00	---	---	---	---	---	<20.0	0.9
		5-7	---	---	---	---	---	---	---	---	574	0.3
		10-11	<10.00	<10.00	<20.00	---	---	---	---	---	702	0.6
		15-16	---	---	---	---	---	---	---	---	638	0.3

Table 1:
Summary of Headspace and Laboratory Analysis of Soil Samples
John Hendrix Corporation, Will Cary Emergency Pit
UL-F, Section 22, Township 22 South, Range 37 East
Lea County, New Mexico

Boring	Date	Sample Depth (Feet BGS)	GRO C6-C12 (mg/Kg)	DRO >C12-C35 (mg/Kg)	TPH C6-C35 (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylene m/p/o (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)	PID (ppm)
RRAL:												
BH-3	1/20/2005	20-21	<10.00	<10.00	<20.00	---	---	---	---	---	1830	0.6
(Cont.)		25-26	---	---	---	---	---	---	---	---	1490	0.5
		30-31	<10.00	<10.00	<20.00	---	---	---	---	---	638	0.3
		40-41	---	---	---	---	---	---	---	---	404	0.6
		50-51	---	---	---	---	---	---	---	---	106	1.6
		60-61	---	---	---	---	---	---	---	---	596	1.0
		70-71	<10.00	<10.00	<20.00	---	---	---	---	---	787	0.3
BH-4	1/21/2005	0-2	---	---	---	---	---	---	---	---	<20.0	---
		5-6	2070	7730	9800	1.13	2	17.6	44.18	64.91	<20.0	976.0
		10-11	2320	9220	11500	2.6	3.84	20.2	59.77	86.41	<20.0	930.0
		15-16	368	1970	2340	0.329	0.784	5.13	15.08	21.323	<20.0	532.0
		20-21	350	1970	2330	0.0686	0.292	1.38	4.94	6.6806	<20.0	376.0
		25-26	180	1360	1530	0.0287	0.149	0.549	1.844	2.5707	<20.0	321.0
		30-31	61	418	479	<.025	0.0406	0.159	0.5545	0.7541	<20.0	296.0
		35-36	14.8	79.1	93.9	<.025	0.0155	0.0476	0.1563	0.2194	<20.0	180.0
		40-41	32.4	187	219	<.025	0.0108	0.0427	0.1157	0.1692	<20.0	241.0
		45-46	50.1	334	384	<.025	0.0296	0.109	0.3466	0.4852	<20.0	253.0
		50-51	39.5	321	360	0.0238	0.0814	0.293	0.991	1.3892	<20.0	204.0
		60-61	63.3	597	660	<.025	0.0327	0.12	0.3304	0.4831	<20.0	179.0
		70-71	64	808	872	<.025	0.0257	0.112	0.3363	0.474	<20.0	107.0
BH-5	1/21/2005	0-2	<10.0	107	107	---	---	---	---	---	404	1.6
		5-6	---	---	---	---	---	---	---	---	1030	16.9
		10-11	<10.0	9.26	9.26	---	---	---	---	---	978	7.3
		15-16	<10.0	35.4	35.4	<.025	<.025	<.025	<.025	<.10	1890	177.0
		20-21	<10.0	<10.0	<20.0	---	---	---	---	---	3340	14.2
		25-26	---	---	---	---	---	---	---	---	2390	5.2

Table 1:
Summary of Headspace and Laboratory Analysis of Soil Samples
John Hendrix Corporation, Will Cary Emergency Pit
UL-F, Section 22, Township 22 South, Range 37 East
Lea County, New Mexico

Boring	Date	Sample Depth (Feet BGS)	GRO C6-C12 (mg/Kg)	DRO >C12-C35 (mg/Kg)	TPH C6-C35 (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylene m/p/o (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)	PID (ppm)
RRAL:												
BH-5	1/21/2005	30-31	<10.0	<10.0	<20.0	---	---	---	---	---	1490	6.0
(Cont.)		40-41	---	---	---	---	---	---	---	---	213	7.9
		50-51	---	---	---	---	---	---	---	---	42.5	3.7
		60-61	<10.0	<10.0	<20.0	---	---	---	---	---	319	2.7

Notes: Analysis performed by Environmental Lab of Texas, Inc., Odessa, Texas, using methods SW-846-8015 (TPH), SW-846-8021B (BTEX) and SW-846-9253 (chloride).

1. BGS: Feet below ground surface
2. GRO: Gasoline range organics
3. DRO: Diesel rage organics
4. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
5. Mg/Kg: Milligrams per kilogram
6. <: Less than method detection limit
7. PID: Photoionization detector
7. ppm: Parts per million
8. --: No data available

FIGURES

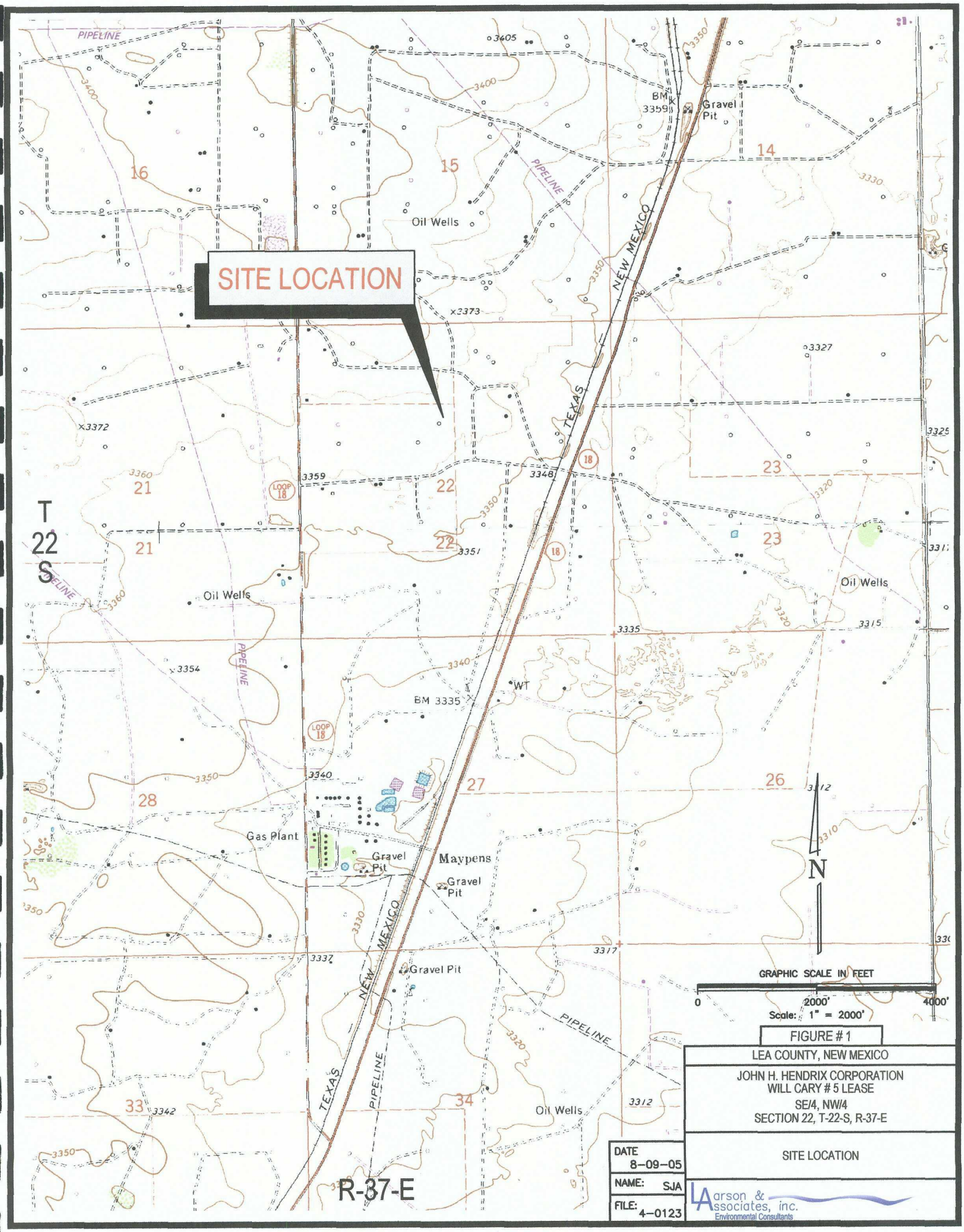


FIGURE # 1

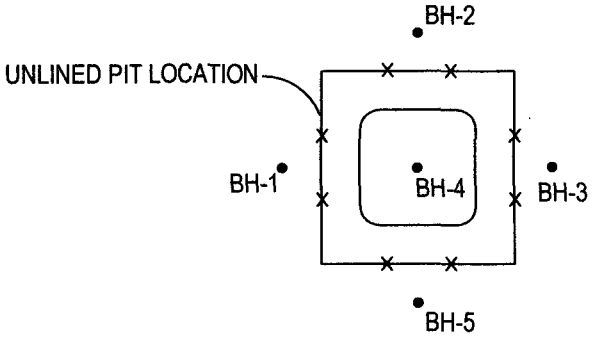
LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
WILL CARY # 5 LEASE
SE/4, NW/4
SECTION 22, T-22-S, R-37-E

SITE LOCATION

DATE	8-09-05
NAME:	SJA
FILE:	4-0123

Larson & Associates, inc.
Environmental Consultants



▲ JOHN H. HENDRIX CORP.
WILL CARY #5 WELL

GRAPHIC SCALE IN FEET

0 50' 100'

Scale: 1" = 50'

FIGURE # 2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
WILL CARY # 5 LEASE
SE/4, NW/4
SECTION 22, T-22-S, R-37-E

SITE DRAWING

LEGEND

BH-1 ● - AIR ROTARY BORING LOCATION

▲ - OIL WELL LOCATION

DATE	8-8-05
NAME:	SJA
FILE:	4-0123

Larson & Associates, inc.
Environmental Consultants

APPENDIX A

Boring Logs

Client: John Hendrix Corporation

Project: Will Cary # 5

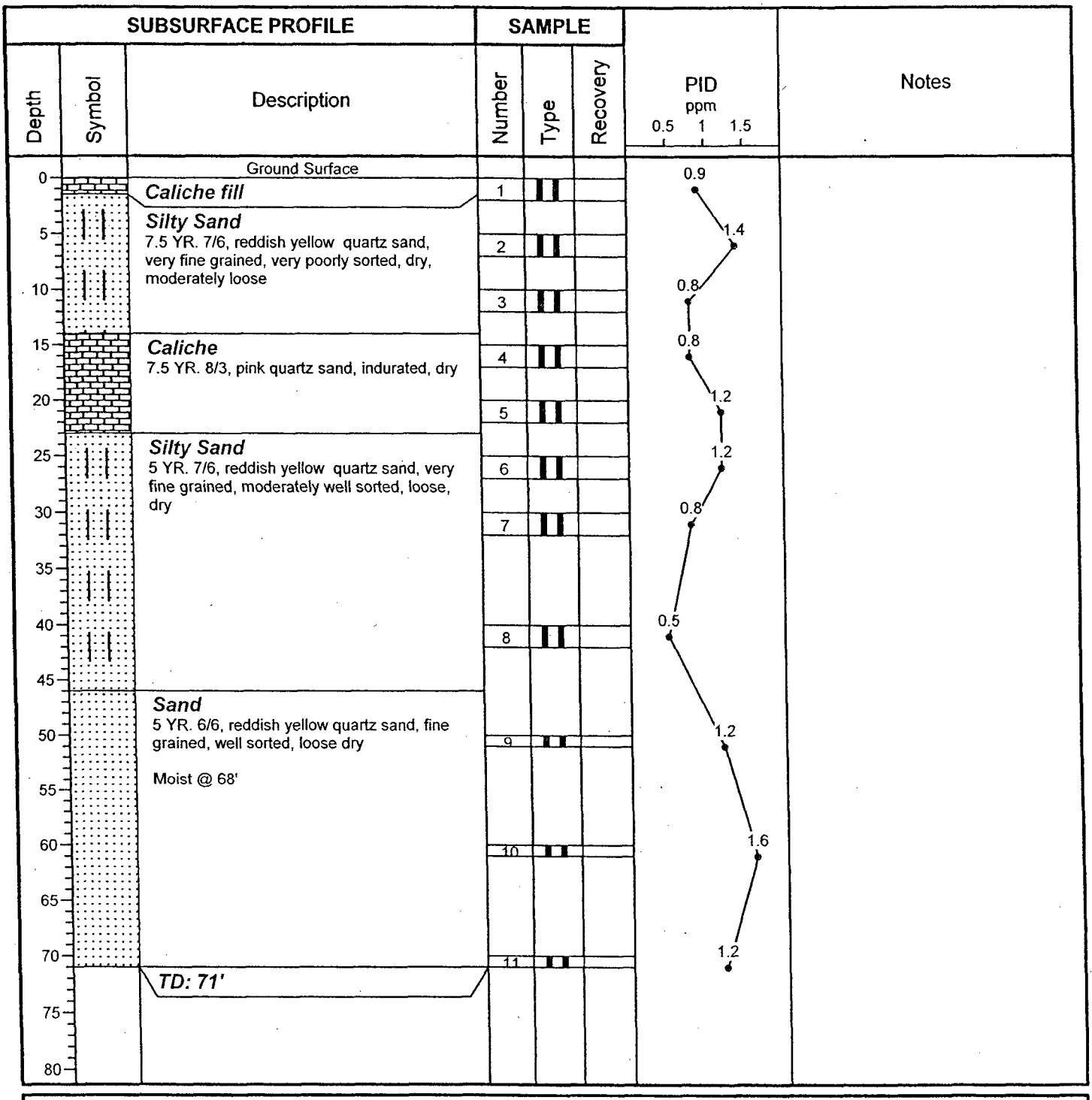
Project No: 4-0123

Location: Lea County, New Mexico

Log: BH-1

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 1/20/05

Hole Size: 5"

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

Elevation: N/A

Checked by: C. Crain

Drilled by: Universal Drilling

Client: John Hendrix Corporation

Project: Will Cary # 5

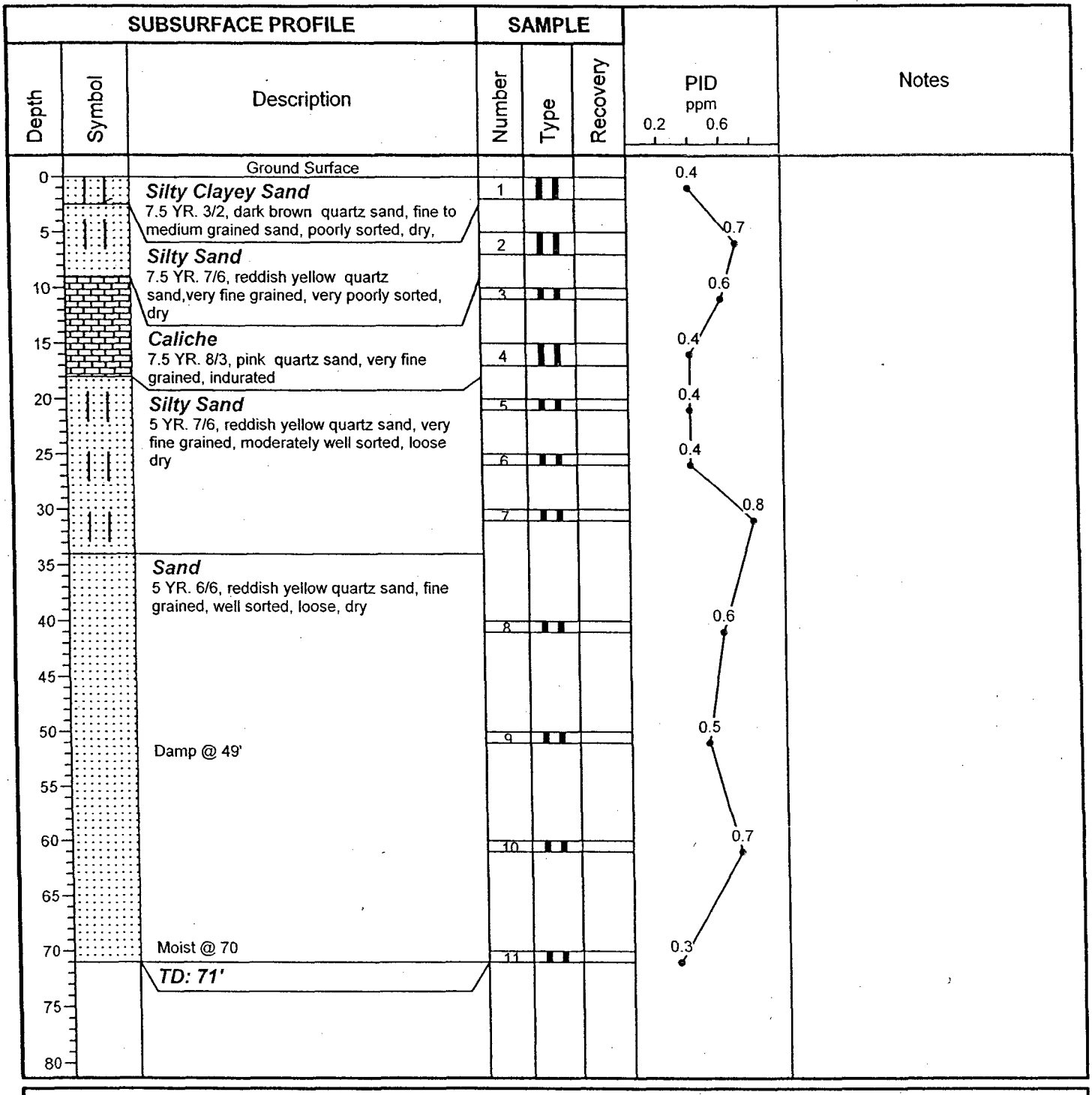
Project No: 4-0123

Location: Lea County, New Mexico

Log: BH-2

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 1/20/05

Hole Size: 5"

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

Elevation: N/A

Checked by: C. Crain

Drilled by: Universal Drilling

Client: John Hendrix Corporation

Project: Will Cary # 5

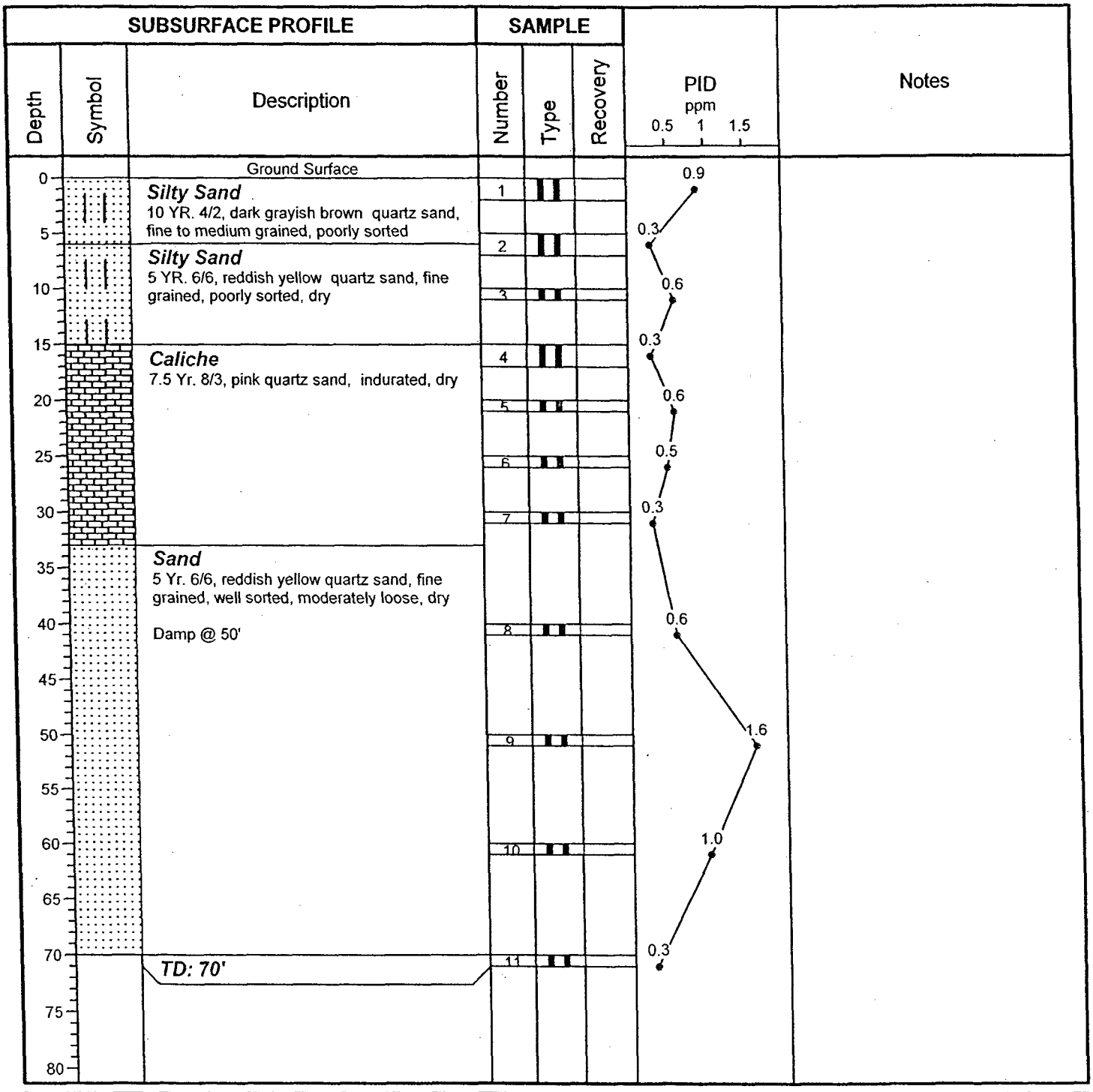
Project No: 4-0123

Location: Lea County, New Mexico

Log: BH-3

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 1/20/05

Hole Size: 5"

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

Elevation: N/A

Checked by: C. Crain

Drilled by: Universal Drilling

Client: John Hendrix Corporation

Project: Will Cary # 5

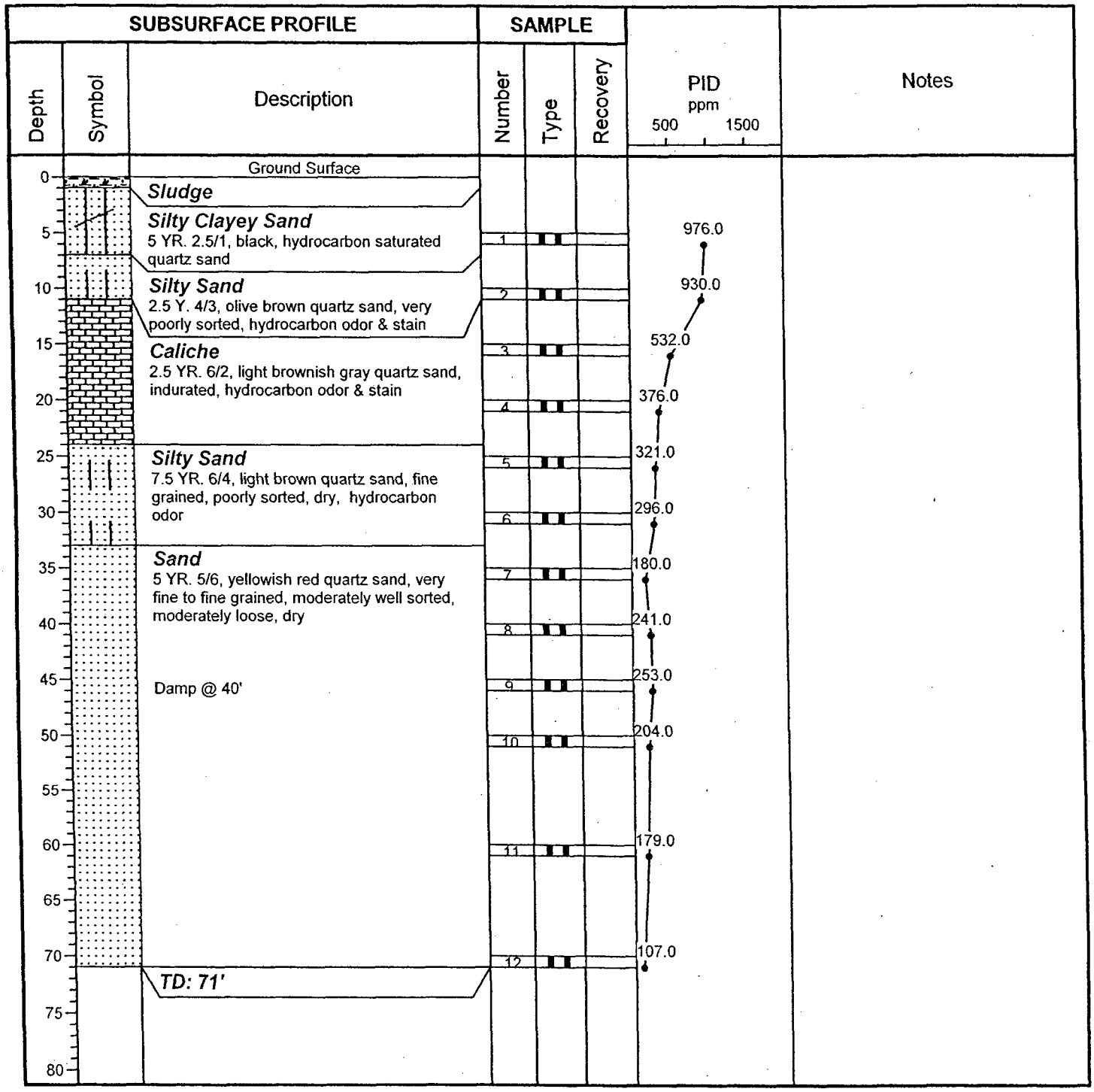
Project No: 4-0123

Location: Lea County, New Mexico

Log: BH-4

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 1/21/05

Hole Size: 5"

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

Elevation: N/A

Checked by: C. Crain

Drilled by: Universal Drilling

Client: John Hendrix Corporation

Project: Will Cary # 5

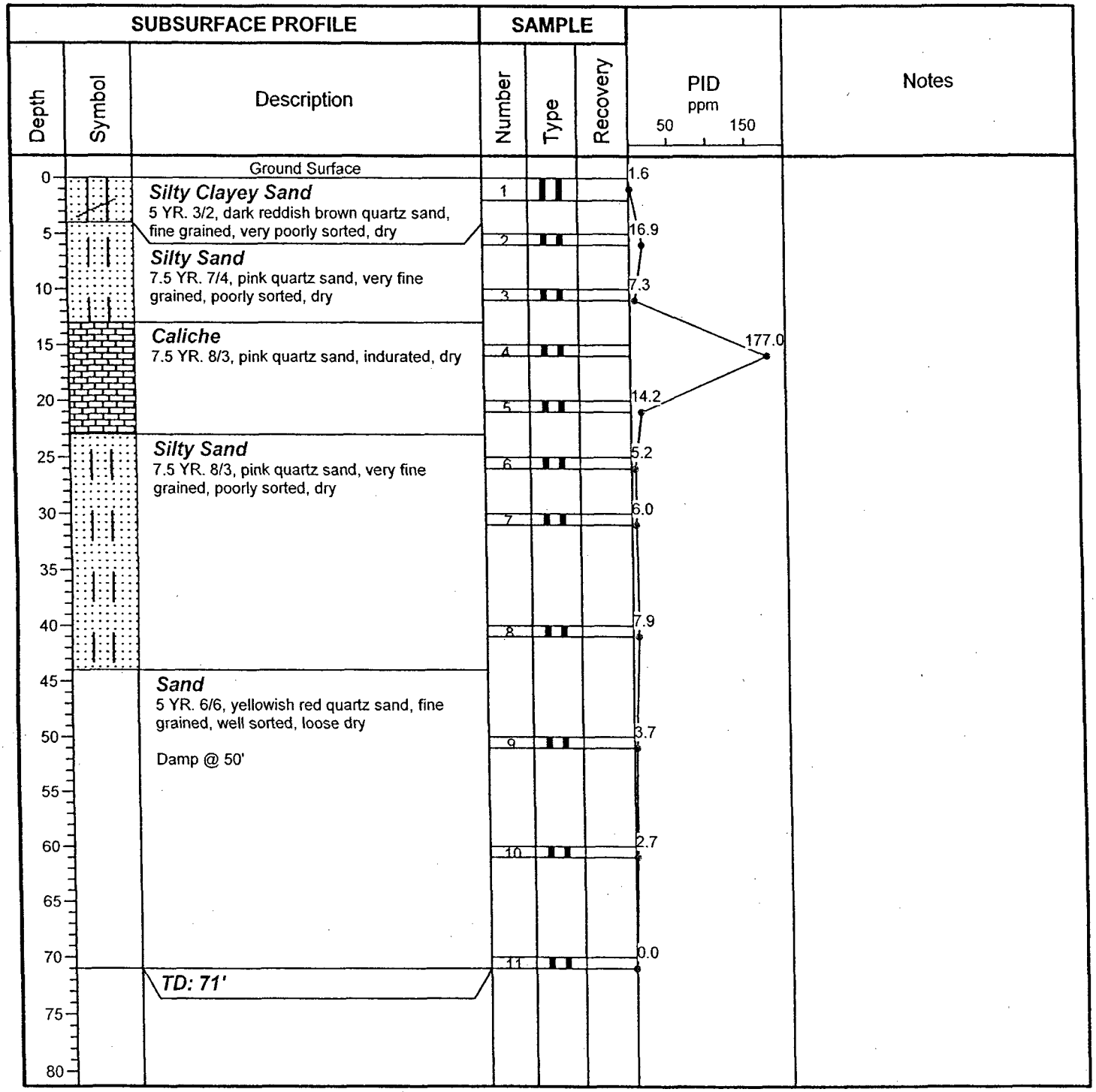
Project No: 4-0123

Location: Lea County, New Mexico

Log: BH-5

Page: 1 of 1

Geologist: C. Crain



Drill Method: Air Rotary

Drill Date: 1/21/05

Hole Size: 5"

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

Elevation: N/A

Checked by: C. Crain

Drilled by: Universal Drilling

APPENDIX B

Laboratory Reports

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Hendrix/ Will Cary

Project Number: None Given

Location: None Given

Lab Order Number: 5A21011

Report Date: 01/27/05

Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/27/05 13:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 (0-2')	5A21011-01	Soil	01/20/05 09:20	01/21/05 16:25
BH-1 (5-7')	5A21011-02	Soil	01/20/05 09:28	01/21/05 16:25
BH-1 (10-12')	5A21011-03	Soil	01/20/05 09:45	01/21/05 16:25
BH-1 (15-17')	5A21011-04	Soil	01/20/05 09:52	01/21/05 16:25
BH-1 (20-22')	5A21011-05	Soil	01/20/05 10:04	01/21/05 16:25
BH-1 (25-27')	5A21011-06	Soil	01/20/05 10:09	01/21/05 16:25
BH-1 (30-32')	5A21011-07	Soil	01/20/05 10:18	01/21/05 16:25
BH-1 (40-41')	5A21011-08	Soil	01/20/05 10:30	01/21/05 16:25
BH-1 (50-51')	5A21011-09	Soil	01/20/05 10:40	01/21/05 16:25
BH-1 (60-61')	5A21011-10	Soil	01/20/05 10:55	01/21/05 16:25
BH-1 (70-71')	5A21011-11	Soil	01/20/05 11:15	01/21/05 16:25
BH-2 (0-2')	5A21011-12	Soil	01/20/05 11:32	01/21/05 16:25
BH-2 (5-6')	5A21011-13	Soil	01/20/05 11:37	01/21/05 16:25
BH-2 (10-11')	5A21011-14	Soil	01/20/05 11:44	01/21/05 16:25
BH-2 (15-17')	5A21011-15	Soil	01/20/05 11:55	01/21/05 16:25
BH-2 (20-21')	5A21011-16	Soil	01/20/05 12:03	01/21/05 16:25
BH-2 (25-26')	5A21011-17	Soil	01/20/05 12:10	01/21/05 16:25
BH-2 (30-31')	5A21011-18	Soil	01/20/05 12:22	01/21/05 16:25
BH-2 (40-41')	5A21011-19	Soil	01/20/05 12:35	01/21/05 16:25
BH-2 (50-51')	5A21011-20	Soil	01/20/05 13:02	01/21/05 16:25
BH-2 (60-61')	5A21011-21	Soil	01/20/05 13:19	01/21/05 16:25
BH-2 (70-71')	5A21011-22	Soil	01/20/05 13:31	01/21/05 16:25
BH-3 (0-2')	5A21011-23	Soil	01/20/05 13:56	01/21/05 16:25
BH-3 (5-7')	5A21011-24	Soil	01/20/05 14:04	01/21/05 16:25
BH-3 (10-11')	5A21011-25	Soil	01/20/05 14:06	01/21/05 16:25
BH-3 (15-16')	5A21011-26	Soil	01/20/05 14:12	01/21/05 16:25
BH-3 (20-21')	5A21011-27	Soil	01/20/05 14:20	01/21/05 16:25
BH-3 (25-26')	5A21011-28	Soil	01/20/05 14:30	01/21/05 16:25
BH-3 (30-31')	5A21011-29	Soil	01/20/05 14:36	01/21/05 16:25
BH-3 (40-41')	5A21011-30	Soil	01/20/05 14:45	01/21/05 16:25
BH-3 (50-51')	5A21011-31	Soil	01/20/05 14:53	01/21/05 16:25
BH-3 (60-61')	5A21011-32	Soil	01/20/05 15:05	01/21/05 16:25
BH-3 (70-71')	5A21011-33	Soil	01/20/05 15:16	01/21/05 16:25
BH-4 (5-6')	5A21011-34	Soil	01/21/05 08:06	01/21/05 16:25

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

Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/27/05 13:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-4 (10-11')	5A21011-35	Soil	01/21/05 08:12	01/21/05 16:25
BH-4 (15-16')	5A21011-36	Soil	01/21/05 08:21	01/21/05 16:25
BH-4 (20-21')	5A21011-37	Soil	01/21/05 08:28	01/21/05 16:25
BH-4 (25-26')	5A21011-38	Soil	01/21/05 08:35	01/21/05 16:25
BH-4 (30-31')	5A21011-39	Soil	01/21/05 08:41	01/21/05 16:25
BH-4 (35-36')	5A21011-40	Soil	01/21/05 08:46	01/21/05 16:25
BH-4 (40-41')	5A21011-41	Soil	01/21/05 08:53	01/21/05 16:25
BH-4 (45-46')	5A21011-42	Soil	01/21/05 09:02	01/21/05 16:25
BH-4 (50-51')	5A21011-43	Soil	01/21/05 09:10	01/21/05 16:25
BH-4 (60-61')	5A21011-44	Soil	01/21/05 09:23	01/21/05 16:25
BH-4 (70-71')	5A21011-45	Soil	01/21/05 09:44	01/21/05 16:25
BH-5 (0-2')	5A21011-46	Soil	01/21/05 09:58	01/21/05 16:25
BH-5 (5-6')	5A21011-47	Soil	01/21/05 10:02	01/21/05 16:25
BH-5 (10-11')	5A21011-48	Soil	01/21/05 10:06	01/21/05 16:25
BH-5 (15-16')	5A21011-49	Soil	01/21/05 10:13	01/21/05 16:25
BH-5 (20-21')	5A21011-50	Soil	01/21/05 10:19	01/21/05 16:25
BH-5 (25-26')	5A21011-51	Soil	01/21/05 10:25	01/21/05 16:25
BH-5 (30-31')	5A21011-52	Soil	01/21/05 10:30	01/21/05 16:25
BH-5 (40-41')	5A21011-53	Soil	01/21/05 10:39	01/21/05 16:25
BH-5 (50-51')	5A21011-54	Soil	01/21/05 10:49	01/21/05 16:25
BH-5 (60-61')	5A21011-55	Soil	01/21/05 11:00	01/21/05 16:25

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Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/28/05 11:25

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (0-2') (5A21011-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	**J [9.03]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.6 %*	*70-130*		"	"	"	"	
BH-1 (10-12') (5A21011-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.0 %*	*70-130*		"	"	"	"	
BH-1 (20-22') (5A21011-05) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	**23.2**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**23.2**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	
BH-1 (30-32') (5A21011-07) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.2 %*	*70-130*		"	"	"	"	
BH-1 (70-71') (5A21011-11) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*88.4 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-2 (0-2') (5A21011-12) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.4 %*	*70-130*		"	"	"	"	
BH-2 (10-11') (5A21011-14) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.6 %*	*70-130*		"	"	"	"	
BH-2 (20-21') (5A21011-16) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.8 %*	*70-130*		"	"	"	"	
BH-2 (30-31') (5A21011-18) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	**40.2**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**40.2**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*87.4 %*	*70-130*		"	"	"	"	
BH-2 (70-71') (5A21011-22) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*85.2 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-3 (0-2') (5A21011-23) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*83.8 %*	*70-130*		"	"	"	"	
BH-3 (10-11') (5A21011-25) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.0 %*	*70-130*		"	"	"	"	
BH-3 (20-21') (5A21011-27) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.4 %*	*70-130*		"	"	"	"	
BH-3 (30-31') (5A21011-29) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.2 %*	*70-130*		"	"	"	"	
BH-3 (70-71') (5A21011-33) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (5-6') (5A21011-34) Soil									
Benzene	**1.13**	0.0500	mg/kg dry	50	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**2.00**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**17.6**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**41.6**	0.0500	"	"	"	"	"	"	
Xylene (o)	**2.58**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*443 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2070**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**7730**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9800**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.6 %*	*70-130*		"	"	"	"	
BH-4 (10-11') (5A21011-35) Soil									
Benzene	**2.60**	0.100	mg/kg dry	100	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**3.84**	0.100	"	"	"	"	"	"	
Ethylbenzene	**20.2**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**49.9**	0.100	"	"	"	"	"	"	
Xylene (o)	**9.87**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*431 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2320**	50.0	mg/kg dry	5	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**9220**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**11500**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*25.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*21.4 %*	*70-130*		"	"	"	"	*S-06*
BH-4 (15-16') (5A21011-36) Soil									
Benzene	**0.329**	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**0.784**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**5.13**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**12.5**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.58**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*180 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**368**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1970**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2340**	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (15-16') (5A21011-36) Soil									
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*EA52401*	*01/24/05*	*01/25/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
BH-4 (20-21') (5A21011-37) Soil									
Benzene	**0.0686**	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**0.292**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.38**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.87**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.07**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*161 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**350**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1970**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2330**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	
BH-4 (25-26') (5A21011-38) Soil									
Benzene	**0.0287**	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**0.149**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.549**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.54**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.304**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*125 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**180**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1360**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1530**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*112 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (30-31') (5A21011-39) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**0.0406**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.159**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.463**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0915**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**61.0**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**418**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**479**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.6 %*	*70-130*		"	"	"	"	
BH-4 (35-36') (5A21011-40) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**J [0.0155]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0476**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.112**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0443**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**14.8**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**79.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**93.9**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.4 %*	*70-130*		"	"	"	"	
BH-4 (40-41') (5A21011-41) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**J [0.0108]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0427**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0981**	0.0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0176]**	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*92.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**32.4**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**187**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**219**	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (40-41') (5A21011-41) Soil									
Surrogate: 1-Chlorooctane		*99.8 %*	*70-130*		*EA52401*	*01/24/05*	*01/25/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*98.8 %*	*70-130*		"	"	"	"	
BH-4 (45-46') (5A21011-42) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**0.0296**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.109**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.301**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0456**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**50.1**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**334**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**384**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
BH-4 (50-51') (5A21011-43) Soil									
Benzene	**J [0.0238]**	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	J
Toluene	**0.0814**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.293**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.826**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.165**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*111 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**39.5**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**321**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**360**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*91.0 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (60-61') (5A21011-44) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/24/05	EPA 8021B	
Toluene	**0.0327**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.120**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.263**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0674**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**63.3**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**597**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**660**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.4 %*	*70-130*		"	"	"	"	
BH-4 (70-71') (5A21011-45) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/25/05	EPA 8021B	
Toluene	**0.0257**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.112**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.275**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0613**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**64.0**	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**808**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**872**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.6 %*	*70-130*		"	"	"	"	
BH-5 (0-2') (5A21011-46) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**107**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**107**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.4 %*	*70-130*		"	"	"	"	

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-5 (10-11') (5A21011-48) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**J [9.26]**	10.0	"	"	"	"	"	"	J
Total Hydrocarbon C6-C35	**J [9.26]**	10.0	"	"	"	"	"	"	J
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.4 %*	*70-130*		"	"	"	"	
BH-5 (15-16') (5A21011-49) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EA52408	01/24/05	01/25/05	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		*96.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**35.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**35.4**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*92.6 %*	*70-130*		"	"	"	"	
BH-5 (20-21') (5A21011-50) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.6 %*	*70-130*		"	"	"	"	
BH-5 (30-31') (5A21011-52) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.4 %*	*70-130*		"	"	"	"	

Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/28/05 11:25

Organics by GC
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-5 (60-61') (5A21011-55) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA52401	01/24/05	01/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.2 %*	*70-130*		"	"	"	"	

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Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/27/05 13:08

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (0-2') (5A21011-01) Soil									
Chloride	**160**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.0**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-1 (5-7') (5A21011-02) Soil									
Chloride	**1940**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-1 (10-12') (5A21011-03) Soil									
Chloride	**1600**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**6.8**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-1 (15-17') (5A21011-04) Soil									
Chloride	**4550**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-1 (20-22') (5A21011-05) Soil									
Chloride	**2770**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**4.7**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-1 (25-27') (5A21011-06) Soil									
Chloride	**1700**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-1 (30-32') (5A21011-07) Soil									
Chloride	**1170**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**3.5**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-1 (40-41') (5A21011-08) Soil									
Chloride	**255**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-1 (50-51') (5A21011-09) Soil									
Chloride	**617**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	

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Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/27/05 13:08

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (60-61') (5A21011-10) Soil									
Chloride	**1810**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-1 (70-71') (5A21011-11) Soil									
Chloride	**2550**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.3**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-2 (0-2') (5A21011-12) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**8.8**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-2 (5-6') (5A21011-13) Soil									
Chloride	**1170**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-2 (10-11') (5A21011-14) Soil									
Chloride	**1060**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**11.4**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-2 (15-17') (5A21011-15) Soil									
Chloride	**1380**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-2 (20-21') (5A21011-16) Soil									
Chloride	**1170**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.9**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-2 (25-26') (5A21011-17) Soil									
Chloride	**1170**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-2 (30-31') (5A21011-18) Soil									
Chloride	**213**	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
% Moisture	**4.1**		%	1	EA52505	01/24/05	01/25/05	% 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-2 (40-41') (5A21011-19) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-2 (50-51') (5A21011-20) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52701	01/24/05	01/26/05	SW 846 9253	
BH-2 (60-61') (5A21011-21) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-2 (70-71') (5A21011-22) Soil									
Chloride	**213**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**8.9**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-3 (0-2') (5A21011-23) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**16.3**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-3 (5-7') (5A21011-24) Soil									
Chloride	**574**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-3 (10-11') (5A21011-25) Soil									
Chloride	**702**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**8.1**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-3 (15-16') (5A21011-26) Soil									
Chloride	**638**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-3 (20-21') (5A21011-27) Soil									
Chloride	**1830**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.2**		%	1	EA52505	01/24/05	01/25/05	% calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-3 (25-26') (5A21011-28) Soil									
Chloride	**1490**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-3 (30-31') (5A21011-29) Soil									
Chloride	**638**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**5.0**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-3 (40-41') (5A21011-30) Soil									
Chloride	**404**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-3 (50-51') (5A21011-31) Soil									
Chloride	**106**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-3 (60-61') (5A21011-32) Soil									
Chloride	**596**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
BH-3 (70-71') (5A21011-33) Soil									
Chloride	**787**	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**5.4**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (5-6') (5A21011-34) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**26.3**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (10-11') (5A21011-35) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**20.2**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (15-16') (5A21011-36) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**17.8**		%	1	EA52505	01/24/05	01/25/05	% calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (20-21') (5A21011-37) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**15.5**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (25-26') (5A21011-38) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**13.3**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (30-31') (5A21011-39) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**5.1**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (35-36') (5A21011-40) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52702	01/24/05	01/26/05	SW 846 9253	
% Moisture	**10.6**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (40-41') (5A21011-41) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.2**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (45-46') (5A21011-42) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**5.2**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (50-51') (5A21011-43) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**4.4**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-4 (60-61') (5A21011-44) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**4.0**		%	1	EA52505	01/24/05	01/25/05	% calculation	

Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/27/05 13:08

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (70-71') (5A21011-45) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**3.8**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-5 (0-2') (5A21011-46) Soil									
Chloride	**404**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**10.3**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-5 (5-6') (5A21011-47) Soil									
Chloride	**1030**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
BH-5 (10-11') (5A21011-48) Soil									
Chloride	**978**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.4**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-5 (15-16') (5A21011-49) Soil									
Chloride	**1890**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**6.5**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-5 (20-21') (5A21011-50) Soil									
Chloride	**3340**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**7.0**		%	1	EA52505	01/24/05	01/25/05	% calculation	
BH-5 (25-26') (5A21011-51) Soil									
Chloride	**2390**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
BH-5 (30-31') (5A21011-52) Soil									
Chloride	**1490**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**3.8**		%	1	EA52505	01/24/05	01/25/05	% calculation	

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

Larson & Associates, Inc.	Project: Hendrix/ Will Cary	Fax: (432) 687-0456
P.O. Box 50685	Project Number: None Given	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	01/27/05 13:08

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-5 (40-41') (5A21011-53) Soil									
Chloride	**213**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
BH-5 (50-51') (5A21011-54) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
BH-5 (60-61') (5A21011-55) Soil									
Chloride	**319**	20.0	mg/kg Wet	2	EA52703	01/24/05	01/26/05	SW 846 9253	
% Moisture	**2.8**		%	1	EA52505	01/24/05	01/25/05	% calculation	

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

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 EA52401 - Solvent Extraction (GC)										
Blank (EA52401-BLK1)				Prepared & Analyzed: 01/24/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.3*		*mg/kg*	*50.0*		*72.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.0*		*"*	*50.0*		*78.0*	*70-130*			
Blank (EA52401-BLK2)				Prepared: 01/24/05 Analyzed: 01/25/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*38.0*		*mg/kg*	*50.0*		*76.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.4*		*"*	*50.0*		*78.8*	*70-130*			
LCS (EA52401-BS1)				Prepared & Analyzed: 01/24/05						
Gasoline Range Organics C6-C12	494	10.0	mg/kg wet	500		98.8	75-125			
Diesel Range Organics >C12-C35	539	10.0	"	500		108	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*47.1*		*mg/kg*	*50.0*		*94.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.6*		*"*	*50.0*		*103*	*70-130*			
LCS (EA52401-BS2)				Prepared: 01/24/05 Analyzed: 01/25/05						
Gasoline Range Organics C6-C12	444	10.0	mg/kg wet	500		88.8	75-125			
Diesel Range Organics >C12-C35	458	10.0	"	500		91.6	75-125			
Total Hydrocarbon C6-C35	902	10.0	"	1000		90.2	75-125			
Surrogate: 1-Chlorooctane	*46.9*		*mg/kg*	*50.0*		*93.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.7*		*"*	*50.0*		*99.4*	*70-130*			
Calibration Check (EA52401-CCV1)				Prepared & Analyzed: 01/24/05						
Gasoline Range Organics C6-C12	505		mg/kg	500		101	80-120			
Diesel Range Organics >C12-C35	478		"	500		95.6	80-120			
Total Hydrocarbon C6-C35	983		"	1000		98.3	80-120			
Surrogate: 1-Chlorooctane	*57.1*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.3*		*"*	*50.0*		*119*	*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 EA52401 - Solvent Extraction (GC)										
Calibration Check (EA52401-CCV2)				Prepared: 01/24/05 Analyzed: 01/25/05						
Gasoline Range Organics C6-C12	464		mg/kg	500		92.8	80-120			
Diesel Range Organics >C12-C35	509		"	500		102	80-120			
Total Hydrocarbon C6-C35	973		"	1000		97.3	80-120			
Surrogate: 1-Chlorooctane	*59.4*		*"*	*50.0*		*119*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.1*		*"*	*50.0*		*120*	*70-130*			
Matrix Spike (EA52401-MS1)	**Source: 5A21011-01**			Prepared & Analyzed: 01/24/05						
Gasoline Range Organics C6-C12	492	10.0	mg/kg dry	538	ND	91.4	75-125			
Diesel Range Organics >C12-C35	541	10.0	"	538	9.03	98.9	75-125			
Total Hydrocarbon C6-C35	1030	10.0	"	1080	ND	95.4	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.8*		*"*	*50.0*		*81.6*	*70-130*			
Matrix Spike (EA52401-MS2)	**Source: 5A21011-40**			Prepared: 01/24/05 Analyzed: 01/25/05						
Gasoline Range Organics C6-C12	518	10.0	mg/kg dry	559	14.8	90.0	75-125			
Diesel Range Organics >C12-C35	652	10.0	"	559	79.1	102	75-125			
Total Hydrocarbon C6-C35	1170	10.0	"	1120	94.0	96.1	75-125			
Surrogate: 1-Chlorooctane	*55.0*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.3*		*"*	*50.0*		*90.6*	*70-130*			
Matrix Spike Dup (EA52401-MSD1)	**Source: 5A21011-01**			Prepared & Analyzed: 01/24/05						
Gasoline Range Organics C6-C12	481	10.0	mg/kg dry	538	ND	89.4	75-125	2.26	20	
Diesel Range Organics >C12-C35	553	10.0	"	538	9.03	101	75-125	2.19	20	
Total Hydrocarbon C6-C35	1030	10.0	"	1080	ND	95.4	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*49.9*		*mg/kg*	*50.0*		*99.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.9*		*"*	*50.0*		*85.8*	*70-130*			
Matrix Spike Dup (EA52401-MSD2)	**Source: 5A21011-40**			Prepared: 01/24/05 Analyzed: 01/25/05						
Gasoline Range Organics C6-C12	538	10.0	mg/kg dry	559	14.8	93.6	75-125	3.79	20	
Diesel Range Organics >C12-C35	684	10.0	"	559	79.1	108	75-125	4.79	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1120	94.0	101	75-125	4.18	20	
Surrogate: 1-Chlorooctane	*56.6*		*mg/kg*	*50.0*		*113*	*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 EA52408 - EPA 5030C (GC)										
Blank (EA52408-BLK1)				Prepared & Analyzed: 01/24/05						
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	*81.2*		*ug/kg*	*100*		*81.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.8*		*"*	*100*		*98.8*	*80-120*			
LCS (EA52408-BS1)				Prepared: 01/24/05 Analyzed: 01/25/05						
Benzene	81.7		ug/kg	100		81.7	80-120			
Toluene	80.8		"	100		80.8	80-120			
Ethylbenzene	92.1		"	100		92.1	80-120			
Xylene (p/m)	212		"	200		106	80-120			
Xylene (o)	113		"	100		113	80-120			
Surrogate: a,a,a-Trifluorotoluene	*108*		*"*	*100*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*109*		*"*	*100*		*109*	*80-120*			
Calibration Check (EA52408-CCV1)				Prepared & Analyzed: 01/24/05						
Benzene	85.3		ug/kg	100		85.3	80-120			
Toluene	82.3		"	100		82.3	80-120			
Ethylbenzene	94.9		"	100		94.9	80-120			
Xylene (p/m)	216		"	200		108	80-120			
Xylene (o)	115		"	100		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*112*		*"*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			
Matrix Spike (EA52408-MS1)	**Source: 5A21007-01**			Prepared & Analyzed: 01/24/05						
Benzene	80.3		ug/kg	100	ND	80.3	80-120			
Toluene	80.0		"	100	ND	80.0	80-120			
Ethylbenzene	91.2		"	100	ND	91.2	80-120			
Xylene (p/m)	208		"	200	ND	104	80-120			
Xylene (o)	111		"	100	ND	111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*99.0*		*"*	*100*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*115*		*"*	*100*		*115*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA52408 - EPA 5030C (GC)										
Matrix Spike Dup (EA52408-MSD1)	**Source: 5A21007-01**		Prepared & Analyzed: 01/24/05							
Benzene	87.3		ug/kg	100	ND	87.3	80-120	8.35	20	
Toluene	86.1		"	100	ND	86.1	80-120	7.34	20	
Ethylbenzene	101		"	100	ND	101	80-120	10.2	20	
Xylene (p/m)	232		"	200	ND	116	80-120	10.9	20	
Xylene (o)	120		"	100	ND	120	80-120	7.79	20	
Surrogate: a,a,a-Trifluorotoluene	*117*		*"*	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*118*		*"*	*100*		*118*	*80-120*			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA52505 - General Preparation (Prep)										
Blank (EA52505-BLK1)				Prepared: 01/24/05 Analyzed: 01/25/05						
% Moisture	0.003		%							
Duplicate (EA52505-DUP1)		**Source: 5A21011-01**		Prepared: 01/24/05 Analyzed: 01/25/05						
% Moisture	7.7		%		7.0			9.52	20	
Batch EA52701 - Water Extraction										
Blank (EA52701-BLK1)				Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EA52701-MS1)		**Source: 5A21011-02**		Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	2380	20.0	mg/kg Wet	500	1940	88.0	80-120			
Matrix Spike Dup (EA52701-MSD1)		**Source: 5A21011-02**		Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	2390	20.0	mg/kg Wet	500	1940	90.0	80-120	0.419	20	
Reference (EA52701-SRM1)				Prepared & Analyzed: 01/26/05						
Chloride	4940		mg/kg	5000		98.8	80-120			
Batch EA52702 - Water Extraction										
Blank (EA52702-BLK1)				Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EA52702-MS1)		**Source: 5A21011-21**		Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	521	20.0	mg/kg Wet	500	0.00	104	80-120			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA52702 - Water Extraction										
Matrix Spike Dup (EA52702-MSD1)	**Source: 5A21011-21**			Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	510	20.0	mg/kg Wet	500	0.00	102	80-120	2.13	20	
Reference (EA52702-SRM1)				Prepared & Analyzed: 01/26/05						
Chloride	4940		mg/kg	5000		98.8	80-120			
Batch EA52703 - Water Extraction										
Blank (EA52703-BLK1)				Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EA52703-MS1)	**Source: 5A21011-41**			Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	500	20.0	mg/kg Wet	500	0.00	100	80-120			
Matrix Spike Dup (EA52703-MSD1)	**Source: 5A21011-41**			Prepared: 01/24/05 Analyzed: 01/26/05						
Chloride	510	20.0	mg/kg Wet	500	0.00	102	80-120	1.98	20	
Reference (EA52703-SRM1)				Prepared & Analyzed: 01/26/05						
Chloride	5000		mg/kg	5000		100	80-120			

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 1-28-05

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

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

Client: Larson + Associates

Date/Time: 01-21-08 @ 1625

Order #: 5A 21011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	No Labels - written on lid
Container labels legible and intact?	Yes	No	No labels - written on lid
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
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Hendrix
SITE MANAGER: Cindy Crain
PROJECT NO.:
PROJECT NAME: Will Cary
PAGE 1 OF 4
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/20/05	0920		✓		BH-1 (0-2')	1	✓	✓	SA 21011-01	
"	0928		✓		" (5-7')	1		✓	-02	
"	0945		✓		" (10-12')	1	✓	✓	-03	
"	0952		✓		" (15-17')	1		✓	-04	
"	1004		✓		" (20-22')	1	✓	✓	-05	
"	1009		✓		" (25-27')	1		✓	-06	
"	1018		✓		" (30-32')	1	✓	✓	-07	
"	1030		✓		" (40-41')	1		✓	-08	
"	1040		✓		" (50-51')	1		✓	-09	
"	1055		✓		" (60-61')	1		✓	-10	
"	1115		✓		" (70-71')	1	✓	✓	-11	
"	1132		✓		BH-2 (0-2')	1	✓	✓	-12	
"	1137		✓		" (5-6')	1		✓	-13	
"	1144		✓		" (10-11')	1	✓	✓	-14	
"	1155		✓		" (15-17')	1		✓	-15	
"	1203		✓		" (20-21')	1	✓	✓	-16	
"	1210		✓		" (25-26')	1		✓	-17	
"	1222		✓		" (30-31')	1	✓	✓	-18	

SAMPLED BY: (Signature) Cindy Crain — DATE: 1/20/05 TIME: 1222
RELINQUISHED BY: (Signature) Cindy Crain — DATE: 1/21/05 TIME: 1625
RECEIVED BY: (Signature) — DATE: TIME:
RELINQUISHED BY: (Signature) — DATE: TIME:
RECEIVED BY: (Signature) — DATE: TIME:

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

COMMENTS:

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: PHONE: 563-1800
RECEIVED BY: (Signature) Jana McMurry
DATE: 01-21-05 TIME: 1625

SAMPLE CONDITION WHEN RECEIVED: 2.5°C 4oz glass on ice

LA CONTACT PERSON: C. Crain

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: Hendrix
SITE MANAGER: Cindy Crain
PROJECT NO.:
PROJECT NAME: Will Cary
PAGE 2 OF 4
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH 8015M	Chloride	BTEX 8021B	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/20/05	1235		✓		BH-2 (40-41')	1		✓		5A21011-19	
"	1302		✓		" (50-51')	1		✓		-20	
"	1319		✓		" (60-61')	1		✓		-21	
"	1331		✓		" (70-71')	1	✓	✓		-22	
"	1356		✓		BH-3 (0-2')	1	✓	✓		-23	
"	1404		✓		" (5-7')	1		✓		-24	
"	1406		✓		" (10-11')	1	✓	✓		-25	
"	1412		✓		" (15-16')	1		✓		-26	
"	1420		✓		" (20-21')	1	✓	✓		-27	
"	1430		✓		" (25-26')	1		✓		-28	
"	1436		✓		" (30-31')	1	✓	✓		-29	
"	1445		✓		" (40-41')	1		✓		-30	
"	1453		✓		" (50-51')	1		✓		-31	
"	1505		✓		" (60-61')	1		✓		-32	
"	1516		✓		" (70-71')	1	✓	✓		-33	
1/21/05	0806		✓		BH-4 (5-6')	1	✓	✓	✓	-34	
"	0812		✓		" (10-11')	1	✓	✓	✓	-35	
"	0821		✓		" (15-16')	1	✓	✓	✓	-36	

SAMPLED BY: (Signature) Cindy Crain — DATE: 1/21/05 TIME: 0821
RELINQUISHED BY: (Signature) Cindy Crain — DATE: 1/21/05 TIME: 1625
RECEIVED BY: (Signature) — DATE: TIME:
RELINQUISHED BY: (Signature) — DATE: TIME:
RECEIVED BY: (Signature) — DATE: TIME:

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

COMMENTS:

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: PHONE: 563-1800

RECEIVED BY: (Signature) Jeanne McMurry
DATE: 01-21-05 TIME: 1625

SAMPLE CONDITION WHEN RECEIVED: 2,5° C
4 oz glass on ice

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: Hendrix

SITE MANAGER: Cindy Crain

PROJECT NO.:

PROJECT NAME: Will Cary

PAGE 3 OF 4

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	Chloride	BTEX 8021	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/21/05	0828		✓		BH-4 (20-21')	1	✓	✓	✓	5A21011-37	
"	0835		✓		" (25-26')	1	✓	✓	✓	-38	
"	0841		✓		" (30-31')	1	✓	✓	✓	-39	
"	0846		✓		" (35-36')	1	✓	✓	✓	-40	
"	0853		✓		" (40-41')	1	✓	✓	✓	-41	
"	0902		✓		" (45-46')	1	✓	✓	✓	-42	
"	0910		✓		" (50-51')	1	✓	✓	✓	-43	
"	0923		✓		" (60-61')	1	✓	✓	✓	-44	
"	0944		✓		" (70-71')	1	✓	✓	✓	-45	
"	0958		✓		BH-5 (0-2')	1	✓	✓		-46	
"	1002		✓		" (5-6')	1		✓		-47	
"	1006		✓		" (10-11')	1	✓	✓		-48	
"	1013		✓		" (15-16')	1	✓	✓	✓	-49	
"	1019		✓		" (20-21')	1	✓	✓		-50	
"	1025		✓		" (25-26')	1		✓		-51	
"	1030		✓		" (30-31')	1	✓	✓		-52	
"	1039		✓		" (40-41')	1		✓		-53	
"	1049		✓		" (50-51')	1		✓		-54	

SAMPLED BY: (Signature) Cindy Crain — DATE: 1/21/05 TIME: 1049

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 1/21/05 TIME: 1625

RECEIVED BY: (Signature) — DATE: TIME:

RELINQUISHED BY: (Signature) — DATE: TIME:

RECEIVED BY: (Signature) — DATE: TIME:

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

COMMENTS:

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: PHONE: 563-1800

RECEIVED BY: (Signature) Joann McMurry
DATE: 01-21-05 TIME: 1625

SAMPLE CONDITION WHEN RECEIVED: 2.5°C
4oz glass on ice

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

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: Hendrix

SITE MANAGER: Cindy Crain

PROJECT NO.:

PROJECT NAME: Will Cary

PAGE 4 OF 4

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
1/21/05	1100		✓		BH-5 (60-61')	1	✓	✓	5A21011-55	
"	"		✓		" (70-71')	1		✓		

SAMPLED BY: (Signature) Cindy Crain
DATE: 1/21/05
TIME: 1100

RELINQUISHED BY: (Signature) Cindy Crain
DATE: 1/21/05
TIME: 1625

RECEIVED BY: (Signature)
DATE:
TIME:

RELINQUISHED BY: (Signature)
DATE:
TIME:

RECEIVED BY: (Signature)
DATE:
TIME:

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

COMMENTS:

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: PHONE: 563-1800

RECEIVED BY: (Signature) Jeanne McMurry
DATE: 01-21-05 TIME: 1625

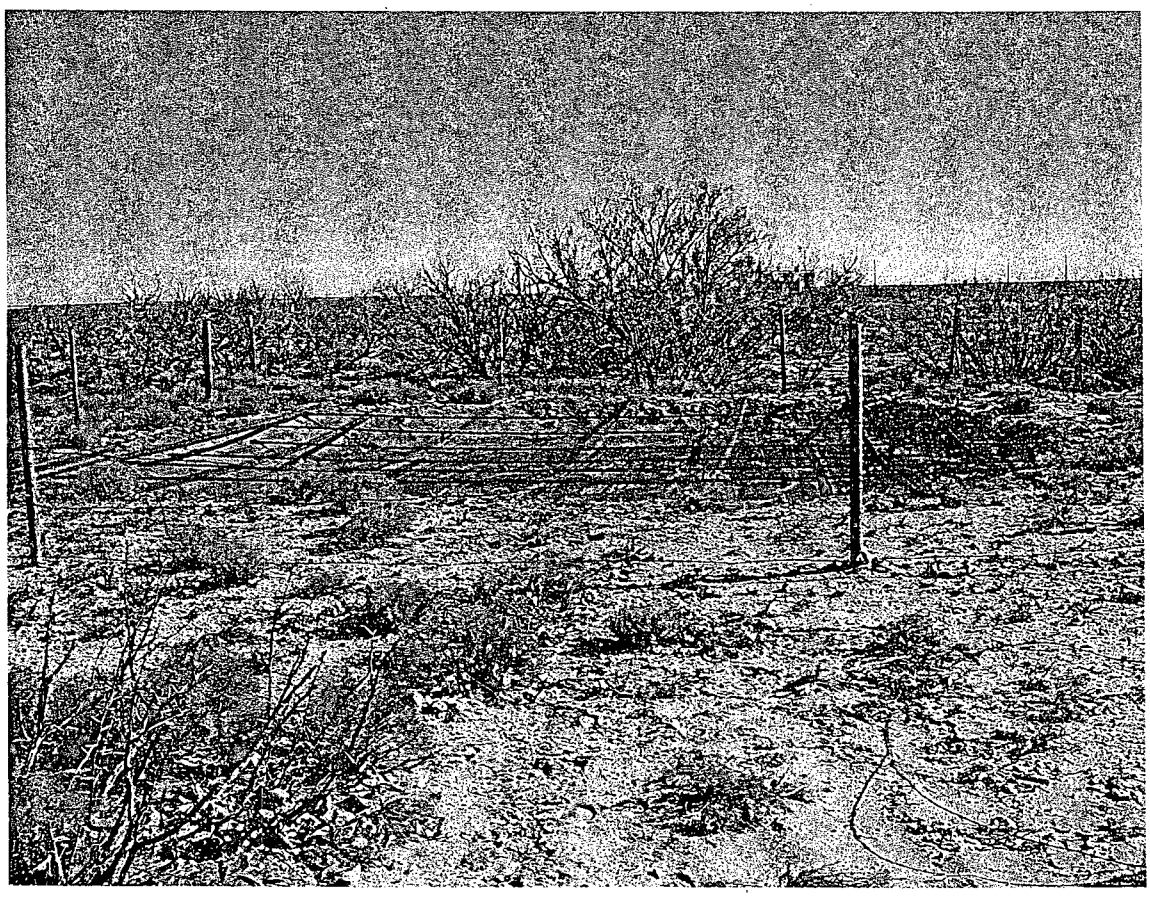
SAMPLE CONDITION WHEN RECEIVED: 2.5°C
4oz glass on ice

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

APPENDIX C

Photographs



Will Cary Pit
(Looking East)