1R - 0103

WORK PLANS

DATE:

JULY 2006

1R-103
Work Plan
July 2006

PLAINS PIPELINE

July 31, 2006

Mr. Ben Stone
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico

Re: Plains Pipeline Soil Closure Strategy and Site Restoration Work Plan
LF-59 Release Site
NMOCD Reference # 1R-0103
NW ¼, SW ¼ of Section 32, Township 19 South, Range 37 East
Lea County, New Mexico

1R-103

Dear Mr. Stone:

Please find attached for your approval the Soil Closure Strategy and Site Restoration Work Plan, dated July 2006, for the LF-59 release site located in the NW ¼, SW ¼ of Section 32, Township 19 South, Range 37 East in Lea County, New Mexico. The Soil Closure Strategy and Site Restoration Work Plan details site activities conducted to date and future activities for soil closure of the site.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American Pipeline

Cc: Larry Johnson, NMOCD, Hobbs Office

Enclosure

3112 West Highway 82 • Lovington, NM 88260 • (505) 396-3341

SOIL CLOSURE STRATEGY
AND SITE RESTORATION WORK PLAN

LF-59
NW ¼, SW ¼, SECTION 32, TOWNSHIP 19 SOUTH, RANGE 37 EAST
MONUMENT, NEW MEXICO
PLAINS EMS NUMBER: TNM-LF-59
NMOCD REF 1R-0103

Prepared for:

PLAINS MARKETING, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002

NOVA
safety and environmental

Prepared by:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

July 2006

Curt D. Stanley
Project Manager

Todd K. Choban, P.G.
Vice President, Technical Services

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1.0 INTRODUCTION

On behalf of Plains Marking, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Soil Closure Strategy and Site Restoration Work Plan to the New Mexico Oil Conservation Division (NMOCD). The site is located approximately two miles southwest of the town of Monument, New Mexico, in the NW ¼ of the SW ¼ of Section 32 Township 19 South, Range 37 East. For reference, a site location and site map are provided as Figures 1 and 2, respectively. The Release Notification and Corrective Action (Form C-141) is included as Appendix C. The contents of this report are intended to fulfill requirements promulgated in Title 19 New Mexico Administrative Code (NMAC) 15.A19.E (3) and 19.E (4). The site, formerly the responsibility of Enron Oil Trading and Transportation (EOTT) is now the responsibility of Plains.

2.0 NMOCD SITE CLASSIFICATION

The depth to groundwater in the on-site area is less than 50 feet bgs. Based on the NMOCD soil classification system, 20 points would be assigned to the site as a result of this criterion.

There are two water wells located within 1,000 feet of the site to the north and east. Neither of these wells is located in a down gradient position relative to the release point. Based on the NMOCD Soil Classification System, 20 points would be assigned to the site as a result of this criterion.

There are no surface-water features identified within a one-mile radius of the site. Based on the NMOCD Soil Classification System, 0 points would be assigned to the site as a result of this criterion. The NMOCD guidelines indicate that the site would have a Ranking Score of >19. The soil action levels for a site with a Ranking Score of >19 points are as follows:

- Benzene - 10 ppm
- BTEX - 50 ppm
- TPH - 100 ppm

3.0 SUMMARY OF FIELD ACTIVITIES

The initial release on the LF-59 site is estimated to have occurred in November 1997 followed by a second undocumented release at an unknown date. The volumes released during these two episodes are unknown. The release was from an 8-inch pipeline and attributed to structural failure associated with internal pipeline corrosion. Following completion of pipeline repair actions, shallow soils were treated in-situ by injection of an oxidizing agent with minimal success. Initial site investigation actions were conducted by a previous contractor and consisted of the advancement of ten (10) soil borings. In February 2000, five (5) groundwater monitor wells (MW-1 through MW-5) were installed to characterize groundwater conditions on-site. On September 17, 2001, groundwater monitor wells MW-6 and MW-7 were installed to further delineate the dissolved phase contaminate plume. On October 4, 2005, monitor well MW-8 was installed approximately 120 feet north of monitor well MW-1 to further delineate hydrocarbon impact at the site. Groundwater at the site occurs at depths varying from approximately 20 to 22 feet below ground surface (bgs). No further site delineation is planned at this time.

Excavation of approximately 9,900 cubic yards (cy) impacted soil and rock was conducted from November 2001 through January 2002. Excavated materials were mechanically screened and shredded and segregated into stockpiles of caliche and soil. Approximately 6,900 cy of soil was subsequently spread onto an on-site soil treatment cell and combined with fertilizer to enhance bioremediation. On August 29, 2002, the treatment cell was sampled for baseline concentrations of Total Petroleum Hydrocarbon (TPH) and Benzene, Toluene, Ethylbenzene and Xylene (BTEX). The treatment cell has been mechanically tilled on a quarterly basis since inception to further enhance bioremediation. In January 2003, site access was restricted by a local landowner who was the holder of a surface lease at the site. In 2004, site access was allowed to resume by the landowner. In September 2005, analytical results of samples collected from the soil treatment cell indicated TPH concentrations were below NMOCD regulatory levels and mechanical tilling of the cell ceased. On February 2, 2006, samples were collected from the sidewalls of the existing excavation to evaluate the need for additional excavation of the sidewalls. The analytical results indicate additional excavation is required on the northeast, northwest, southwest, south and southeast sidewalls in order to progress the site toward an NMOCD approved soil closure. Please refer to Figure 3 for sample locations and proposed areas of excavation.

A summary of the analytical results of the soil samples collected during soil boring and monitor well installations and other soil related activities is provided as Table 1. Boring logs reflecting site lithology data and well completion details are included as Appendix A. Copies of the laboratory reports generated from well installation and sampling activities described herein are included as Appendix B. All soil samples were submitted under a completed chain-of-custody analyzed for TPH concentrations utilizing EPA SW 846-8015M GRO/DRO. Selected soil samples were analyzed for BTEX constituent concentrations utilizing EPA SW 846-8021B.

4.0 SUPPLEMENTAL WORK PLAN

Based on the analytical results of the February 2, 2006 excavation sidewall sampling event, Plains proposes to mobilize an excavator to remove additional soil from the sidewalls of the existing excavation. Please refer to Figure 3 for sample locations and proposed areas of excavation. The actual limits of the additional excavation will be determined by field screening utilizing a Photo-Ionization Detector (PID) and by visual and olfactory evaluation of the excavation sidewalls. Excavated material will be stockpiled onsite pending analysis. On completion of the excavation activities, one (1) excavation sidewall sample will be collected for every fifty (50) linear feet of excavated sidewall.

When the confirmation analytical results of excavation sidewalls indicate TPH concentrations are below the NMOCD regulatory standard of 100 mg/Kg TPH, Plains proposes a risk-based strategy for soil closure at the site. With NMOCD approval, a twenty (20) millimeter (mil) polyurethane liner, manufactured for this purpose, will be placed on the floor of the excavation. The liner will be cushioned by a six (6) inch layer of non-impacted sand placed beneath the liner. On completion of the liner installation a six (6) inch layer of non-impacted sand will be placed on top the liner to cushion any sharp objects from puncturing the liner. The liner will be positioned to allow any moisture to be shed off the sides. Monitor well locations within the excavation will be fitted with a forty (40) mil protective boot to maintain the impermeability of

the liner. The liner isolates hydrocarbon impacted soil beneath, while shedding surface moisture to the edges. The remediated soil contained in the treatment cell will then be placed in the excavation on top of the liner and compacted during backfilling activities. The backfilled area will be contoured to match the surrounding topography and then seeded with native grasses acceptable to the landowner.

5.0 REPORTING

Plains is prepared to begin field activities and perform the corrective actions summarized in this Soil Closure Strategy and Site Restoration Work Plan, upon review and approval of the work plan by the NMOCD. Upon completion of the field activities summarized in this work plan, Plains will submit a Soil Closure Report to the NMOCD, documenting the results of confirmation soil samples, and final topographic restoration activities. In this report, Plains will request the NMOCD grant closure to soil issues at this site. A groundwater closure report will follow after eight successive quarterly sampling events have demonstrated that hydrocarbon concentrations are below NMOCD regulatory guidelines.

6.0 LIMITATIONS

NOVA has prepared this Soil Closure Strategy and Site Restoration Work Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report including all exhibits and attachments may not be used by any other party without the express written consent of NOVA and/or Plains.

7.0 DISTRIBUTION

Copy 1:
Ben Stone
New Mexico Oil Conservation Division
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Copy 2:
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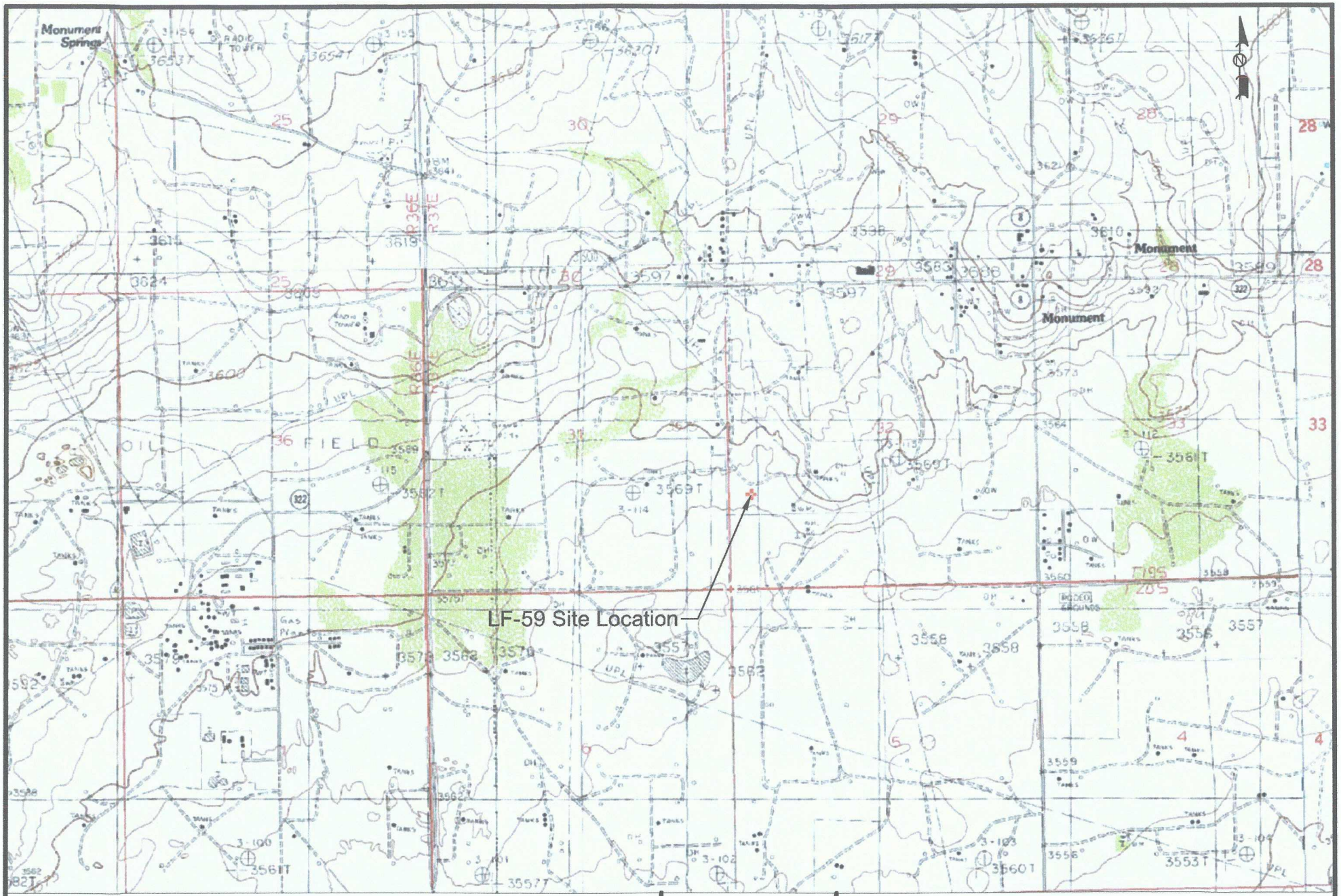
Figures



NW 1/4 SW 1/4 Sec 32 T19S, R37E
32° 36' 50.1" N
103° 16' 47.6" W

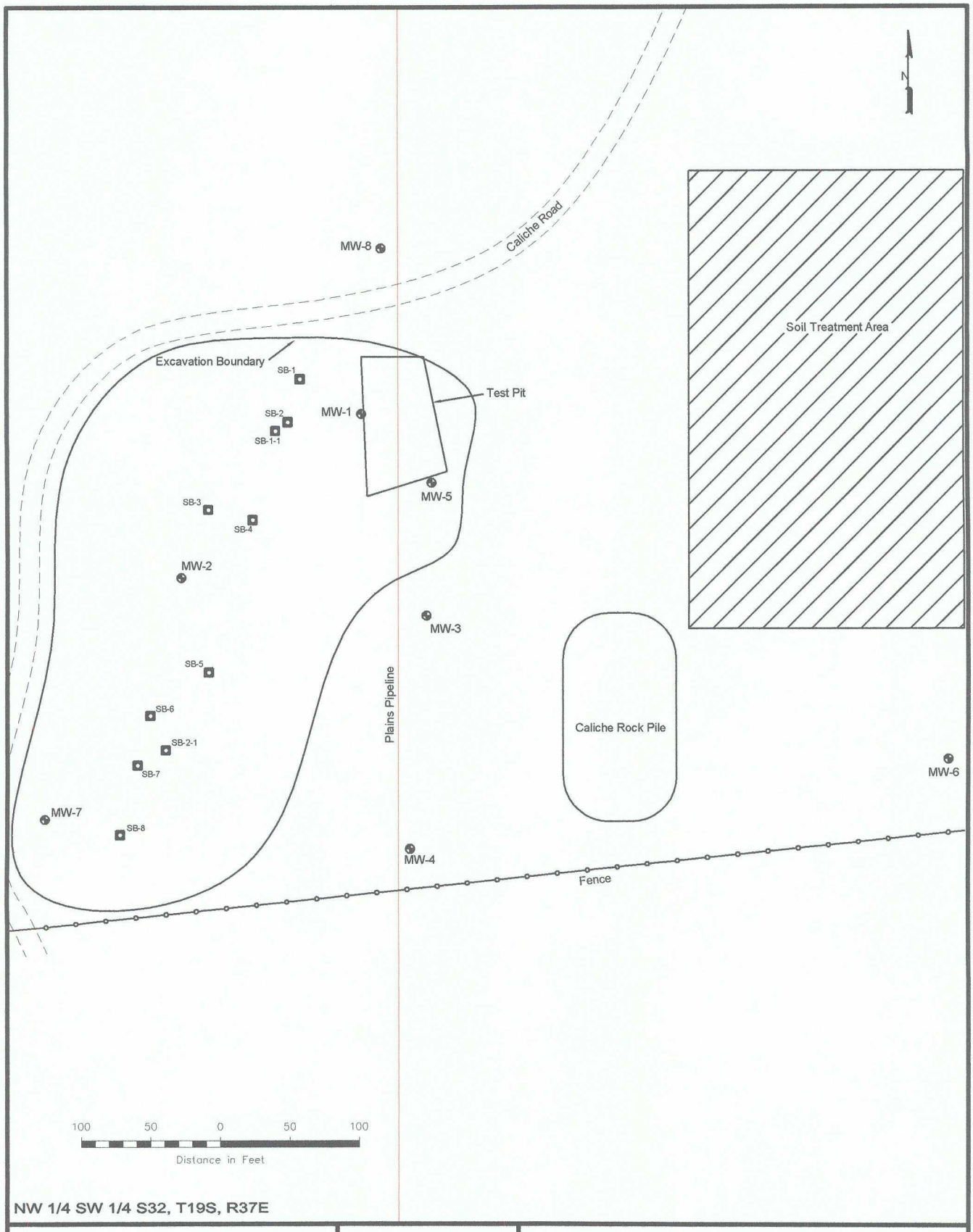
Figure 1
Site Location Map

Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental

NOVA safety and environmental

Scale: NTS	Prep By: DPM	Checked By: MRE
February 15, 2005		



NW 1/4 SW 1/4 S32, T19S, R37E

LEGEND:

- Monitor Well Location
- Pipeline

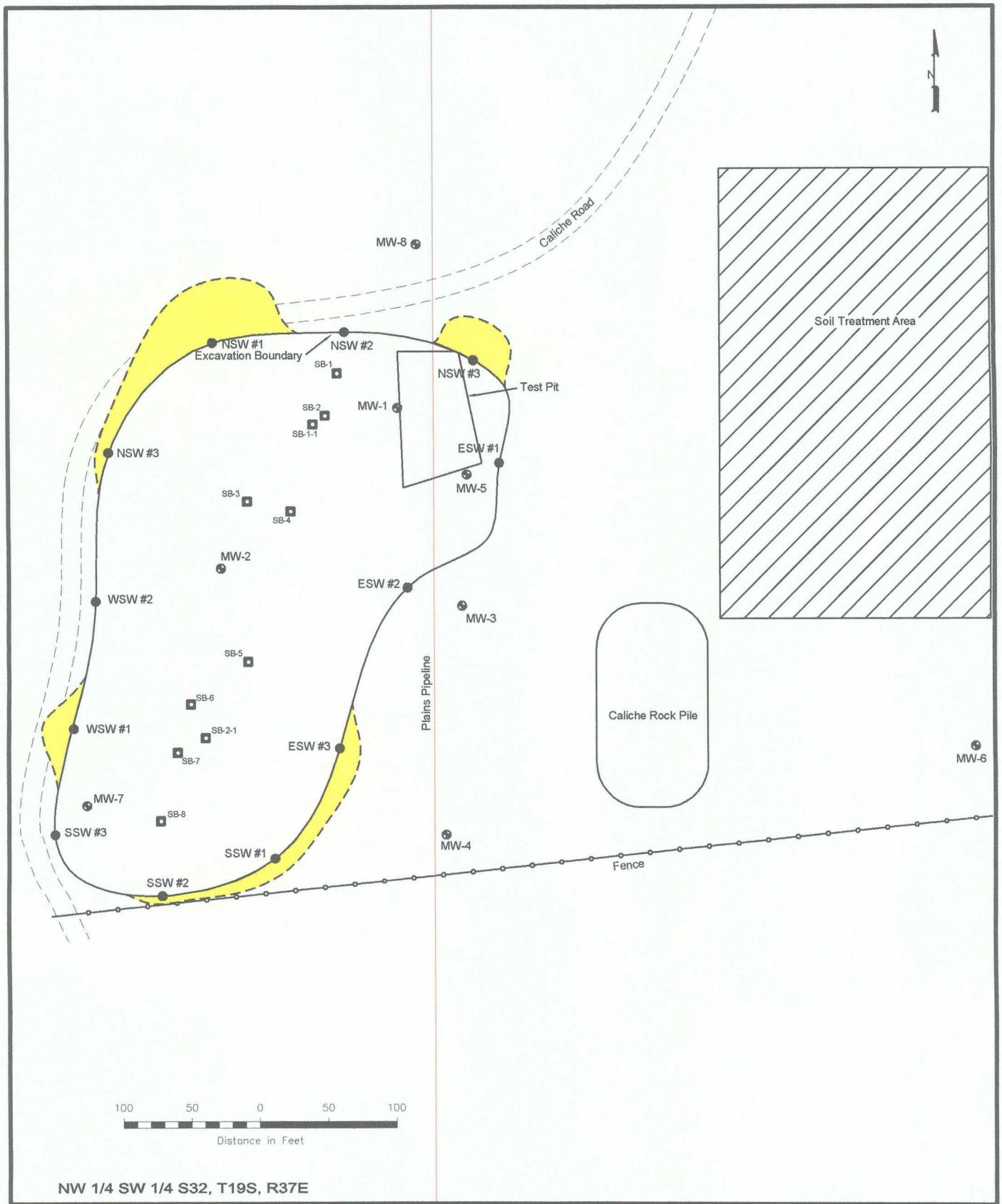
Figure 2
Site Map

Plains Marketing, L.P.

LF - 59
Monument, NM

NOVA Safety and Environmental

Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W		Scale: 1"=100'
NW1/4 SW1/4 Sec32 T19S R37E	Drawn By: DPM	Prepared By: MRE
January 28, 2005		



NW 1/4 SW 1/4 S32, T19S, R37E

LEGEND:

- Monitor Well Location
- Pipeline
- Proposed Area of Excavation

Figure 3
Sample Location and Proposed Excavation Map
Plains Marketing, L.P.
LF - 59
Monument, NM

NOVA Safety and Environmental

Lat. 32° 36' 50.1"N Long 103° 16' 49.6"W		Scale: 1"=100'
NW1/4 SW1/4 Sec32 T19S R37E	Drawn By: DPM	Prepared By: MRE
June 27, 2006		

Tables

TABLE 1

CONCENTRATIONS OF BTEX & TPH IN SOIL
LF - 59
MONUMENT, NEW MEXICO

All measurments recorded in mg/kg

SAMPLE DATE	SAMPLE LOCATION	Methods: EPA SW 846-8021B, 5030						EPA SW 846-8015M			
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO C_6-C_{10}	DRO >C_{10}-C_{25}	DRO >C_{10}-C_{28}	TOTAL TPH >C_6-C_{28}
10/29/99	SB - 1-1 (1')	<0.200	40.0	35.7	158	63.8	**297.500**	6680	20263		**26943**
10/29/99	SB - 1-1 (5-7")	1.99	25.8	40.6	171	66.4	**305.790**	7645	14560		**22205**
10/29/99	SB - 1-1 (10-12')	<0.100	3.11	4.36	15.71	6.65	29.830	946	3455		**4401**
10/29/99	SB - 1-1 (15-17')	2.23	14.4	15.3	61.1	20.7	**113.730**	2677	4781		**7458**
10/29/99	SB - 2-1 (1')	1.45	30.9	33.8	143	49.2	**258.350**	6805	17789		**24594**
10/29/99	SB - 2-1 (5-7')	<0.100	<0.100	<0.100	0.227	<0.100	0.227	12	101		**113**
10/29/99	SB - 2-1 (10-12')	<0.100	<0.100	<0.100	0.153	<0.100	0.153	<10	20		20
10/29/99	SB - 2-1 (15')	<0.100	<0.100	<0.100	0.132	<0.100	0.132	<10	<10		<10
02/08/00	SB-1 (Surface)	<0.1	0.57	0.51	1.81	0.971	3.861	185		14184	**14369**
02/08/00	SB-1 (10')							62		725	**787**
02/08/00	SB-2 (Surface)							765		16530	**17295**
02/08/00	SB-2 (5')							313		1552	**1865**
02/08/00	SB-2 (10')							65		1158	**1223**
02/08/00	SB-2 (15')							225		1747	**1972**
02/08/00	SB-2 (20')							<10		207	**207**
02/08/00	SB-3 (Surface)							<10		1539	**1539**
02/08/00	SB-3 (15')							<10		70	70
02/08/00	SB-4 (Surface)							222		24742	**24964**
02/08/00	SB-4 (5')							826		3321	**4147**
02/08/00	SB-4 (15')							<10		89	89
02/08/00	SB-5 (Surface)							3937		19261	**23198**
02/08/00	SB-5 (15')							<10		81	81
02/08/00	SB-6 (Surface)							5808		25062	**30870**
02/08/00	SB-6 (5')							<10		171	**171**
02/08/00	SB-6 (10')							<10		41	41
02/08/00	SB-6 (15')							<10		12	12
02/08/00	SB-6 (19.5')							<10		<10	<10
02/08/00	SB-7 (Surface)							3725		22199	**25924**
02/08/00	SB-7 (10')							<10		148	148
02/08/00	SB-8 (Surface)							5121		23320	**28441**
02/08/00	SB-8 (15')							1528		5033	**6561**
02/08/00	MW-1 (Surface)							<10		151	**151**
02/08/00	MW-1 (15')							<10		17	17
02/08/00	MW-2 (15')							<10		<10	<10
02/09/00	MW-3 (15')							<10		<10	<10
02/09/00	MW-4 (15')							106		560	**666**
02/09/00	MW-4 (20')							<10		<10	<10
02/14/00	Surface 1-1	<0.1	9.71	9.29	43.8	20.7	**83.500**	2683		13792	**16475**
02/14/00	Surface 2-1	<0.1	<0.1	9.88	58.1	62.4	**130.380**	7289		29543	**36832**
02/14/00	SB 2-1	<0.1	<0.1	0.786	3.22	3.08	7.086	463		9556	**10019**
06/09/00	SB1-2C 0'							<50		15477	**15477**
06/09/00	SB1-2C 2'							834		15578	**16412**
06/09/00	SB1-2C 10'							414		2272	**2686**
06/09/00	SB2-2C 0'							<50		12951	**12951**
06/09/00	SB2-2C 2'							433		7861	**8294**
06/09/00	SB2-2C 6'							1325		9183	**10508**
06/09/00	SB2-2C 10'							146		1881	**2027**
06/09/00	SB2-2C 16'							767		3181	**3948**
06/09/00	SB4-2C 0'							<10		1169	**1169**
06/09/00	SB4-2C 6'							66		977	**1043**
06/09/00	SB4-2C 10'							<10		34	34
06/09/00	SB6-2C 0'							1883		60779	**62662**
06/09/00	SB6-2C 6'							<10		274	**274**
06/09/00	SB6-2C 10'							<10		36	36

TABLE 1

CONCENTRATIONS OF BTEX & TPH IN SOIL
LF - 59
MONUMENT, NEW MEXICO

All measurments recorded in mg/kg

SAMPLE DATE	SAMPLE LOCATION	Methods: EPA SW 846-8021B, 5030						EPA SW 846-8015M			
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO C_6-C_{10}	DRO >C_{10}-C_{25}	DRO >C_{10}-C_{28}	TOTAL TPH >C_6-C_{28}
06/09/00	SB8-2C 0'							1366		38438	**39804**
06/09/00	SB8-2C 6'							1450		5807	**7257**
06/09/00	SB8-2C 10'							<10		109	**109**
06/09/00	SB8-2C 16'							<10		319	**319**
03/13/01	SS 1							342		30817	**31159**
03/13/01	SS 2							1157		54604	**55761**
09/17/01	MW - 6 0-2'							<5	<5		<5
09/17/01	MW - 6 5-7'							<5	<5		<5
09/17/01	MW - 6 10-12'							<5	<5		<5
09/17/01	MW - 6 15-17'							<5	<5		<5
09/17/01	MW - 6 20-22'							<5	9.1		9.1
09/17/01	MW - 6 25-27'							<5	<5		<5
09/17/01	MW - 7 0-2'							309		4280	**4589**
09/17/01	MW - 7 5-7'							<5		<5	<5
09/17/01	MW - 7 10-12'							<5		5.31	**5.31**
09/17/01	MW - 7 15-17'							<5		<5	<5
09/17/01	MW - 7 20-22'							<5		<5	<5
09/17/01	MW - 7 25-27'							<5		<5	<5
12/02/01	SPS-01							512		4030	**4542**
12/02/01	SPUS-01							678		4420	**5098**
12/10/01	GP-1 0-3'							<10		<10	<10
12/10/01	GP-3 0-3'							<10		12	12
12/10/01	GP-4 0-4'							<10		<10	<10
12/10/01	GP 4 4-5'							<10		15	15
12/10/01	GP-5 0-3'							<10		<10	<10
12/10/01	GP-6 0-3'							<10		<10	<10
12/10/01	GP-7 0-3'							<10		<10	<10
12/10/01	GP-8 0-3'							<10		<10	<10
12/10/01	GP-9 0-4'							<10		68	68
12/10/01	GP-9 4-8'							<10		<10	<10
12/10/01	GP-9 8-10'							<10		12	12
12/10/01	GP-11							<10		<10	<10
12/10/01	GP-12 0-4'							<10		<10	<10
12/10/01	GP-13 0-4'							<10		<10	<10
12/20/01	East Wall	<0.025	0.044	<0.025	0.066	0.064	0.174	11		458	**469**
12/20/01	South Wall	0.026	0.128	0.729	2.6	1.28	4.763	125		1040	**1165**
12/20/01	W. Corner Pad	0.035	0.242	3.14	10.1	4.88	18.397	924		7360	**8284**
12/20/01	N. W. Wall	<0.025	0.047	<0.025	0.094	<0.025	0.141	<10		174	**174**
12/20/01	Center/N. Side	0.060	0.472	2.79	11.9	3.59	18.812	578		4620	**5198**
12/20/01	N.E. Wall	<0.025	0.186	0.46	4.14	1.59	6.376	285		2300	**2585**
12/20/01	Center/S. Side	0.1	0.987	1.3	5.77	4.61	12.767	1660		16900	**18560**
12/20/01	West Wall	<0.025	0.045	<0.025	0.036	0.026	0.107	14		888	**902**
12/27/01	Grid 1 Sample 1	<0.025	0.104	0.282	2.33	1.25	3.966	138		3540	**3678**
12/27/01	Grid 2 Sample 2	<0.100	0.236	0.675	4.68	1.9	7.491	211		4500	**4711**
12/27/01	Grid 3 Sample 3	<0.100	0.138	0.336	2.34	0.967	3.781	139		3920	**4059**
12/27/01	Grid 4 Sample 4	<0.100	0.174	0.324	2.87	1.78	5.148	169		3530	**3699**
12/18/04	SS1							<10	219		**219**
12/18/04	SS2							<5	176		**176**

TABLE 1

CONCENTRATIONS OF BTEX & TPH IN SOIL
LF - 59
MONUMENT, NEW MEXICO

All measurments recorded in mg/kg

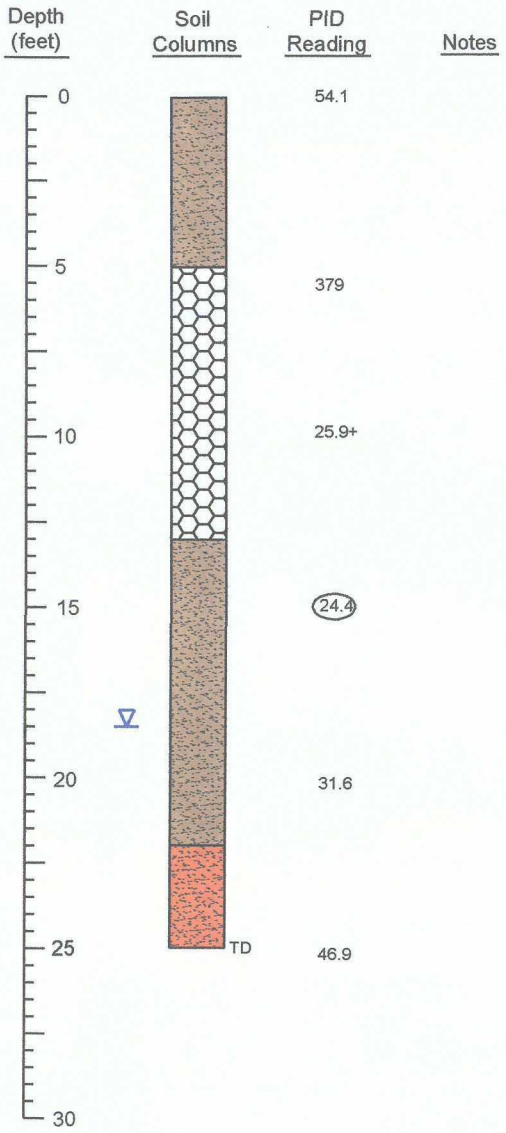
SAMPLE DATE	SAMPLE LOCATION	Methods: EPA SW 846-8021B, 5030						EPA SW 846-8015M			
		BENZENE	TOLUENE	ETHYL-BENZENE	m,p-XYLENE	o-XYLENE	TOTAL BTEX	GRO C_6-C_{10}	DRO >C_{10}-C_{25}	DRO >C_{10}-C_{28}	TOTAL TPH >C_6-C_{28}
12/18/04	SS3							<5	175		**175**
12/18/04	SS4							<5	254		**254**
09/07/05	SS-1							<1	102		**102**
09/07/05	SS-2							<1	115		**115**
09/07/05	SS-3							<1	60.7		60.7
09/07/05	SS-4							<1	<50.0		<50
10/04/05	MW-8 (15-20)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	**1.68**	<50.0		**1.68**
02/02/06	NSW #1	<0.01	<0.01	<0.01	<0.01		<0.01				
	SSW #1							<1	**282**		**282**
	SSW #2							<1	**259**		**259**
	SSW #3							<1	<50.0		<50.0
	WSW #1							<1	**611**		**611**
	WSW #2							<1	<50.0		<50.0
	WSW #3							<1	**170**		**170**
	NSW #1							**2.87**	**2520**		**2522.87**
	NSW #2							<1	<50.0		<50.0
	NSW #3							**1.31**	**537**		**538.31**
	ESW #1							<1	<50.0		<50.0
	ESW #2							<1	<50.0		<50.0
	ESW #3							<1	**360**		**360**

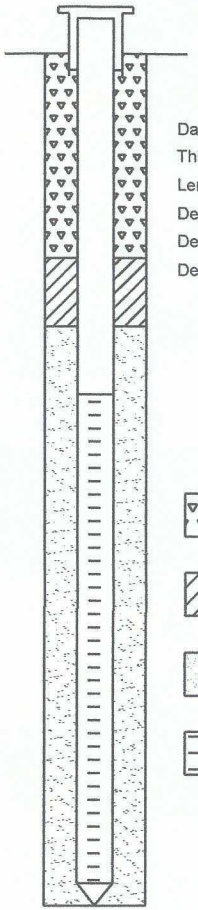
BOLD indicates concentration exceeding NMOCD regulatory standards

Appendices

Appendix A
Well Boring and Completion Logs

Monitoring Well MW - 1





Monitoring Well Details

Date Drilled	02 - 08 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Tan - Brown, very fine grained, dry, moderate to strong odor, moderate to heavy stain, interbedded with caliche nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, slight odor, slight stain, interbedded with caliche, nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, no odor, no stain interbedded with caliche nodules.

Clay - (ML) - Red, sandy, silty, soft, moist to wet.

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in *ppm obtained* with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.010 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 1

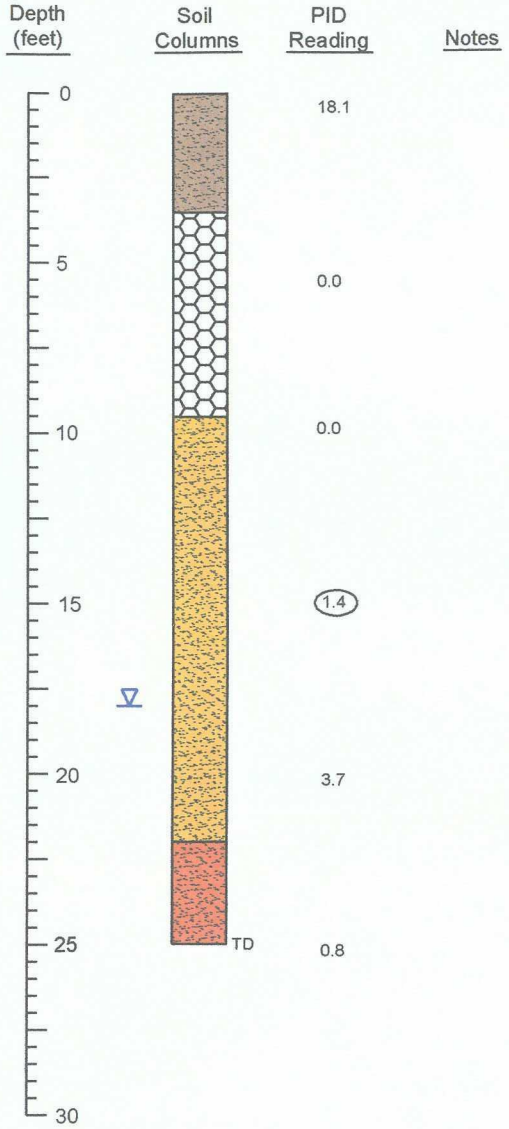
Plains Marketing, L.P. LF - 59 Lea County, NM

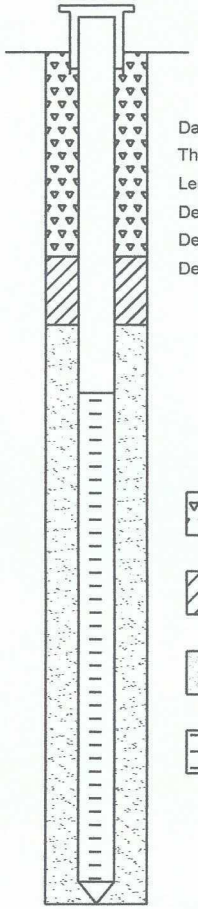
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 18, 2000		

Monitoring Well MW - 2





Monitoring Well Details

Date Drilled	02 - 08 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Ground Water	18 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Tan - Brown, very fine grained, dry, moderate to strong odor, moderate to heavy stain, interbedded with caliche nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, slight odor, slight stain, interbedded with caliche, nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, no odor, no stain interbedded with caliche nodules.

Clay - (ML) - Red, sandy, silty, soft, moist to wet.

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 2

Plains Marketing, L.P. LF - 59 Lea County, NM

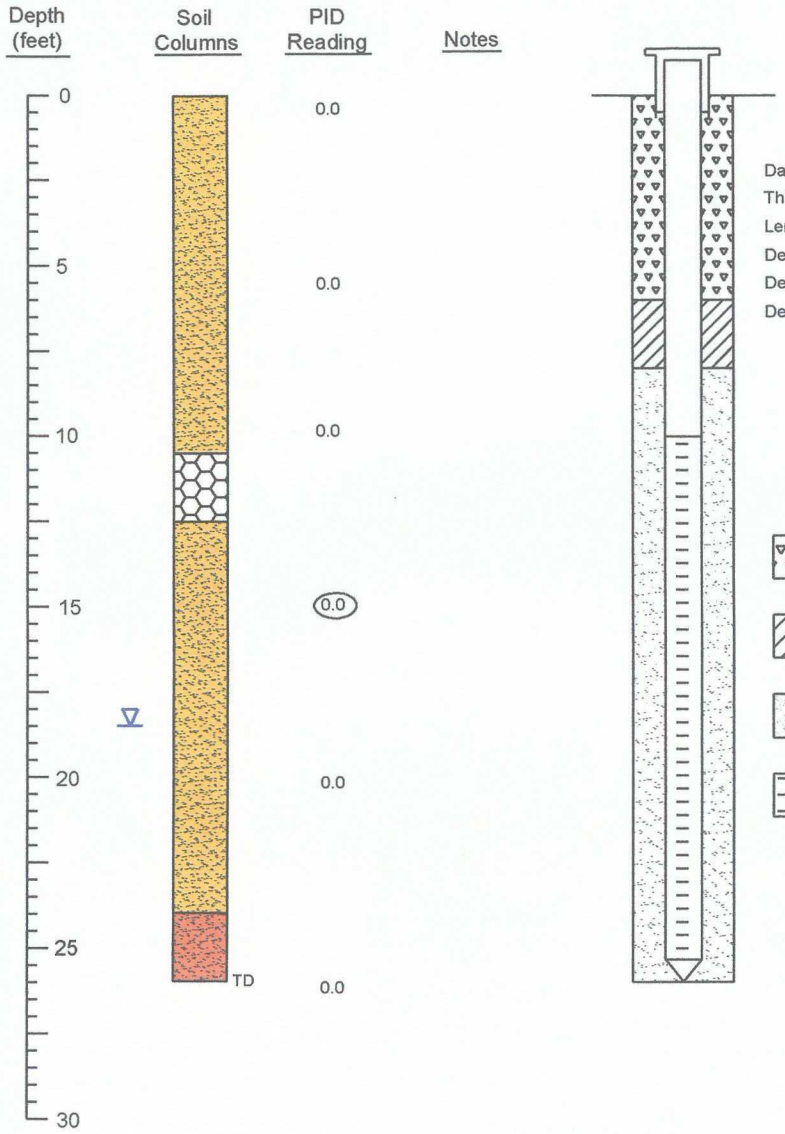
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS

February 18, 2000

Monitoring Well MW - 3



Monitoring Well Details

Date Drilled	02 - 09 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	26 ft
Depth of Exploratory Well	26 ft
Depth to Ground Water	18.5 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Tan - Brown, very fine grained, dry, moderate to strong odor, moderate to heavy stain, interbedded with caliche nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, slight odor, slight stain, interbedded with caliche, nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, no odor, no stain interbedded with caliche nodules.

Clay - (ML) - Red, sandy, silty, soft, moist to wet.

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 3

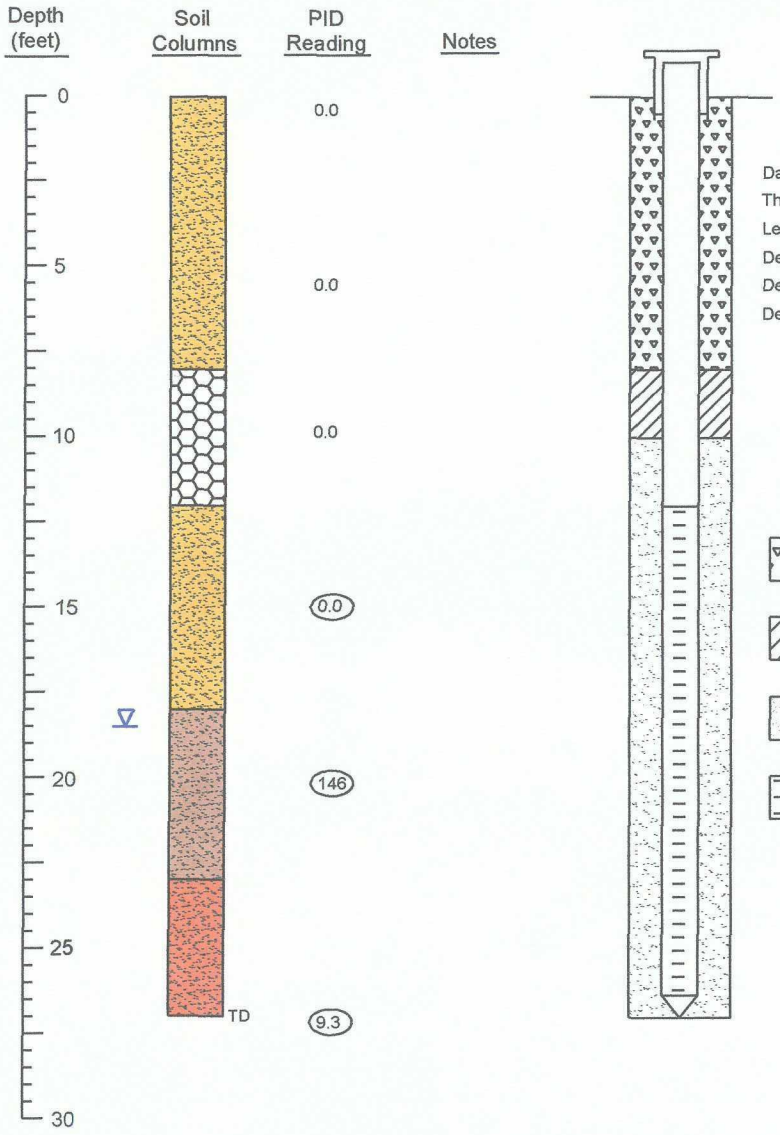
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 18, 2000		

Monitoring Well MW - 4



Monitoring Well Details

Date Drilled	02 - 09 - 00
Thickness of Bentonite Seal	2 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	17 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Tan - Brown, very fine grained, dry, moderate to strong odor, moderate to heavy stain, interbedded with caliche nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, slight odor, slight stain, interbedded with caliche, nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, no odor, no stain interbedded with caliche nodules.

Clay - (ML) - Red, sandy, silty, soft, moist to wet.

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 4

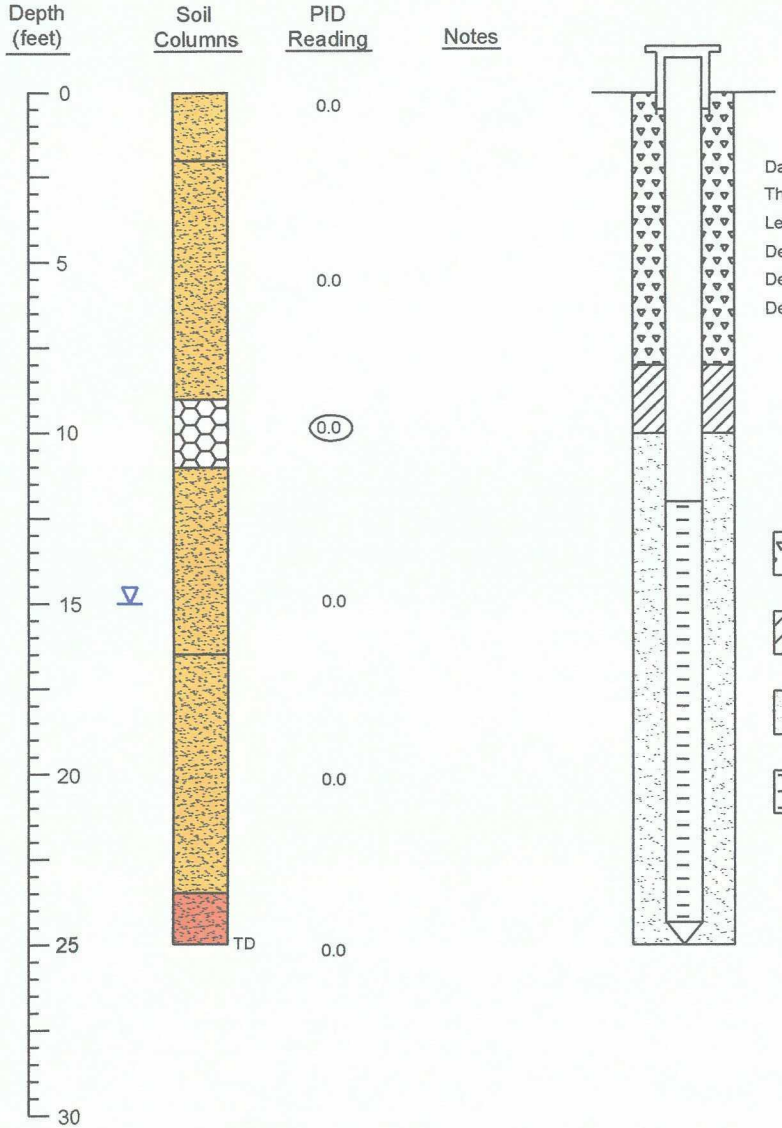
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 18, 2000		

Monitoring Well MW - 5



Monitoring Well Details

Date Drilled	02 - 16 - 00
Thickness of Bentonite Seal	1 ft
Lenght of PVC Well Screen	20 ft
Depth of PVC Well	25 ft
Depth of Exploratory Well	25 ft
Depth to Ground Water	15 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Tan - Brown, very fine grained, dry, moderate to strong odor, moderate to heavy stain, interbedded with caliche nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, slight odor, slight stain, interbedded with caliche, nodules.

Sand - (SP) - Tan - Brown, very fine grained, dry, no odor, no stain interbedded with caliche nodules.

Clay - (ML) - Red, sandy, silty, soft, moist to wet.

Caliche - White, hard, interbedded with sand.

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 5

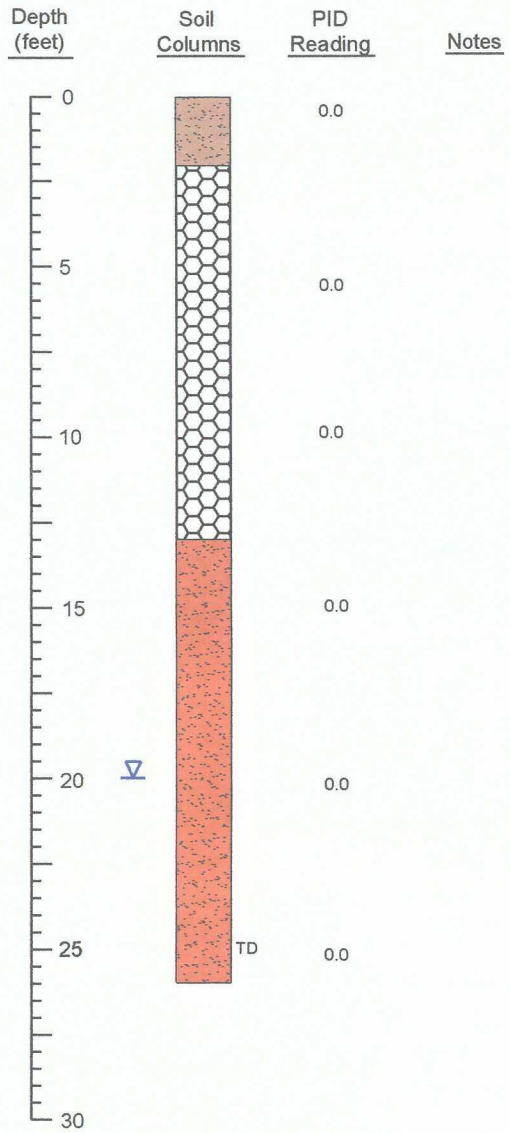
Plains Marketing, L.P. LF - 59 Lea County, NM

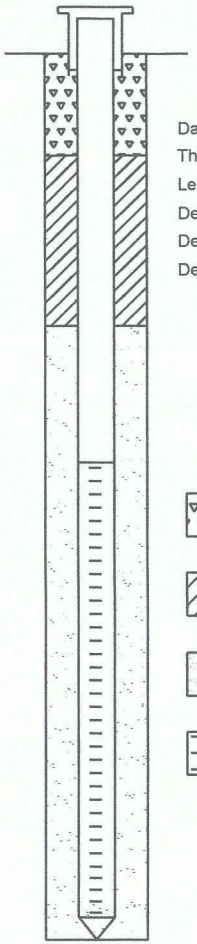
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 18, 2000		

Monitoring Well MW - 6





Monitoring Well Details

Date Drilled	09 - 17 - 01
Thickness of Bentonite Seal	5 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	20 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) -Brown, very fine grained, well sorted, with caliche nodules

Caliche layer

Sand - (SP) - Red-brown, very fine grained, well sorted inbedded with caliche nodules

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 6

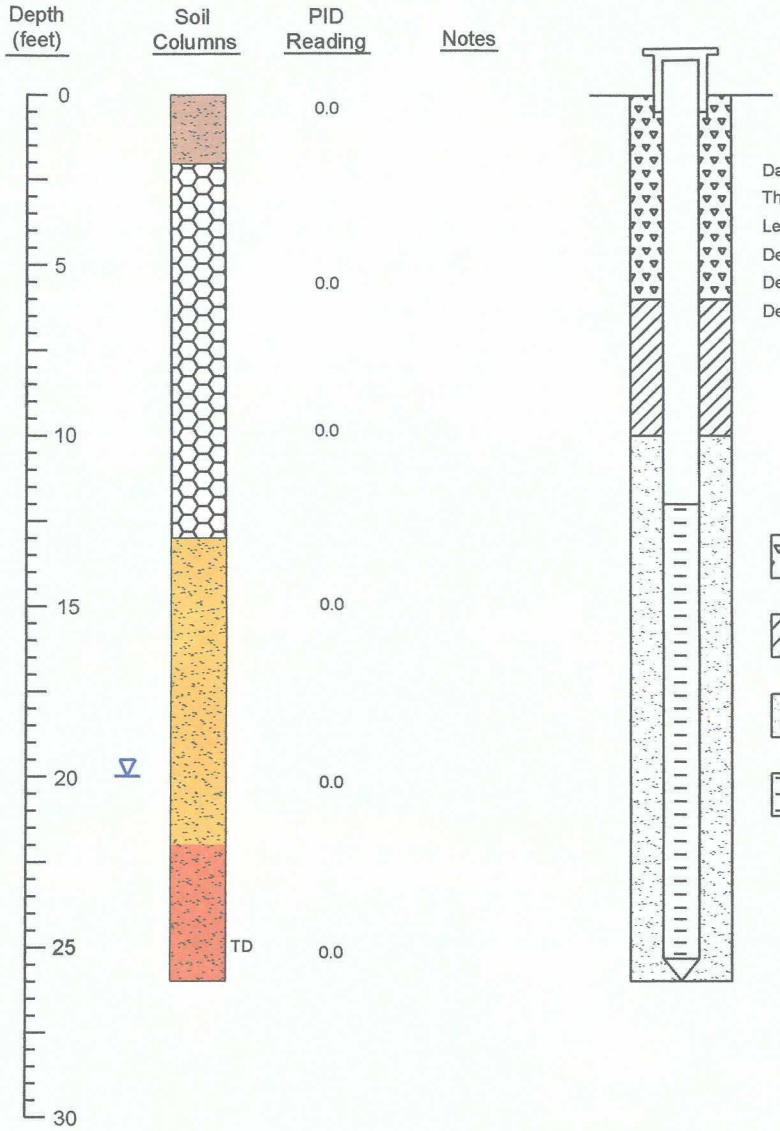
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
July 21, 2006		

Monitoring Well MW - 7



Monitoring Well Details

Date Drilled	09 - 17 - 01
Thickness of Bentonite Seal	4 ft
Lenght of PVC Well Screen	15 ft
Depth of PVC Well	27 ft
Depth of Exploratory Well	27 ft
Depth to Ground Water	20 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Legend

Sand - (SP) - Tan - Brown, very fine grained, well sorted, with caliche nodules

Caliche layer

Sand - (SP) - Red-tan, very fine grained, well sorted with caliche nodules

Sand - (SP) - Red-brown, very fine grained, well sorted inbedded with clay

Indicates samples selected for laboratory analysis.

Indicates the PSH level measured on date.

Indicates the ground water level measured on date.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitoring well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitoring Well Details

Monitoring Well - 7

Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
July 21, 2006		

Monitor Well MW-8

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		0.0	None	None
10		0.0	None	None
15		0.0	None	None
20		0.0	None	None
25		(0.0)	None	None
30	TD	0.0	None	None

Soil Description

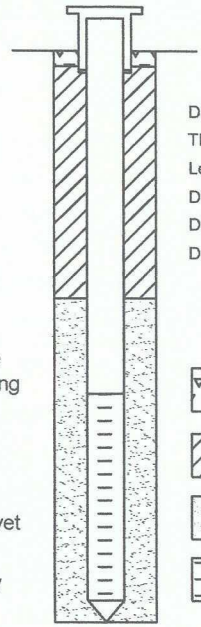
0 - 10' - Caliche; white- slightly, yellow white, some very light tan, some dark brown topsoil, some sand, slightly moist.

10 - 15' - Caliche: white- slightly, yellow white, some very light tan, some sand, slightly moist. Clay largillaceous content.

15 - 20' - Caliche: color grades from the above to light gray/ whitish tan/ light red tan, increasing clay largillaceous content, damp @ 16

20 - 25' - Caliche: light tan white to light red white, slightly to moderately argeillaceous, predominantly calcareous, increasingly argillaceous with depth, some sand (~10 %) wet @ 21'

25 - 30' - Clay: light red tan to light tan, slightly to moderately calcareous, moderately sandy, slightly plastic, some caliche



Monitor Well Details

Date Drilled	10/4/05
Thickness of Bentonite Seal	13 ft
Length of PVC Well Screen	15 ft
Depth of PVC Well	30 ft
Depth of Exploratory Well	30 ft
Depth to Groundwater	21 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

▼ Indicates the groundwater level measured on 10/4/05

(0.0) Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Boring Log And Monitor Well Details
Monitor Well MW 8
LF-59 Lea County, New Mexico
Plains Marketing, L.P.

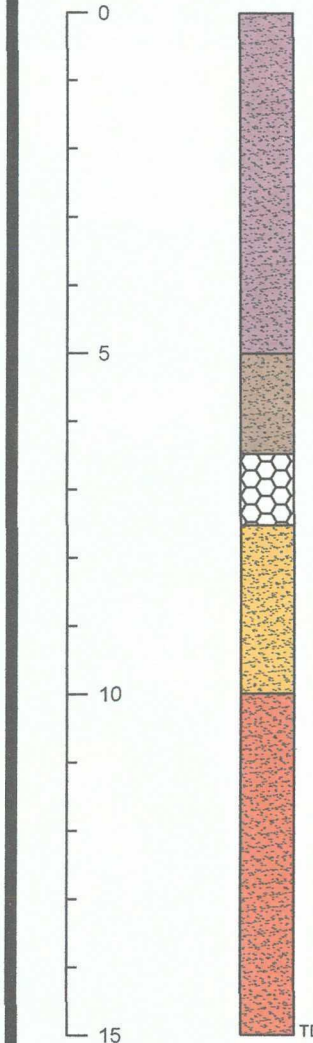
NOVA safety and environmental

NOVA Safety and Environmental

Prep By: DPM	Checked By: CDS
October 19, 2005	

Soil Boring SB 1-1

Depth (feet)	Soil Columns	PID Reading	Notes
0		1264	
5		1295	
10		822	
15	TD	1194	



Legend

- Sand - (SP) - Redish Brown, very fine grained, well sorted, dry to moist, fair stain, strong odor, interbedded with caliche nodules.
- Sand - (SP) - White, very fine grained, well sorted, dry, no stain, slight odor, interbedded with caliche nodules.
- Sand - (SP) - Tan, very fine grained, well sorted, dry, no stain, slight odor, interbedded with caliche nodules.
- Clay - (ML) - Reddish brown, well sorted, moist, slight stain, slight odor, interbedded with caliche nodules.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 10 / 29 / 99

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB 1-1

Plains Marketing, L.P. LF - 59 Lea County, NM

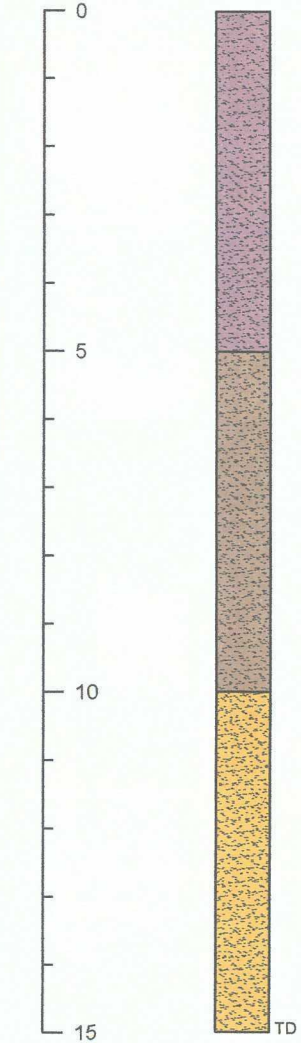
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 23, 2000		

Soil Boring SB 2-1

Depth (feet)	Soil Columns	PID Reading	Notes
0		1598	
5		262	
10		9.6	
15	TD	14.5	



Legend

- Sand - (SP) - Tan, very fine grained, well sorted, dry, no stain, strong odor, interbedded with calche nodules.
- Sand - (SP) - Tan to White, very fine grained, well sorted, dry, slight stain, slight odor,interbedded with caliche nodules.
- Sand - (SP) - Tan to redish Brown, very fine grained, well sorted, dry to moist, no stain, no stain, no odor. interbedded with caliche nodules.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 10 / 29 / 99

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB 2-1

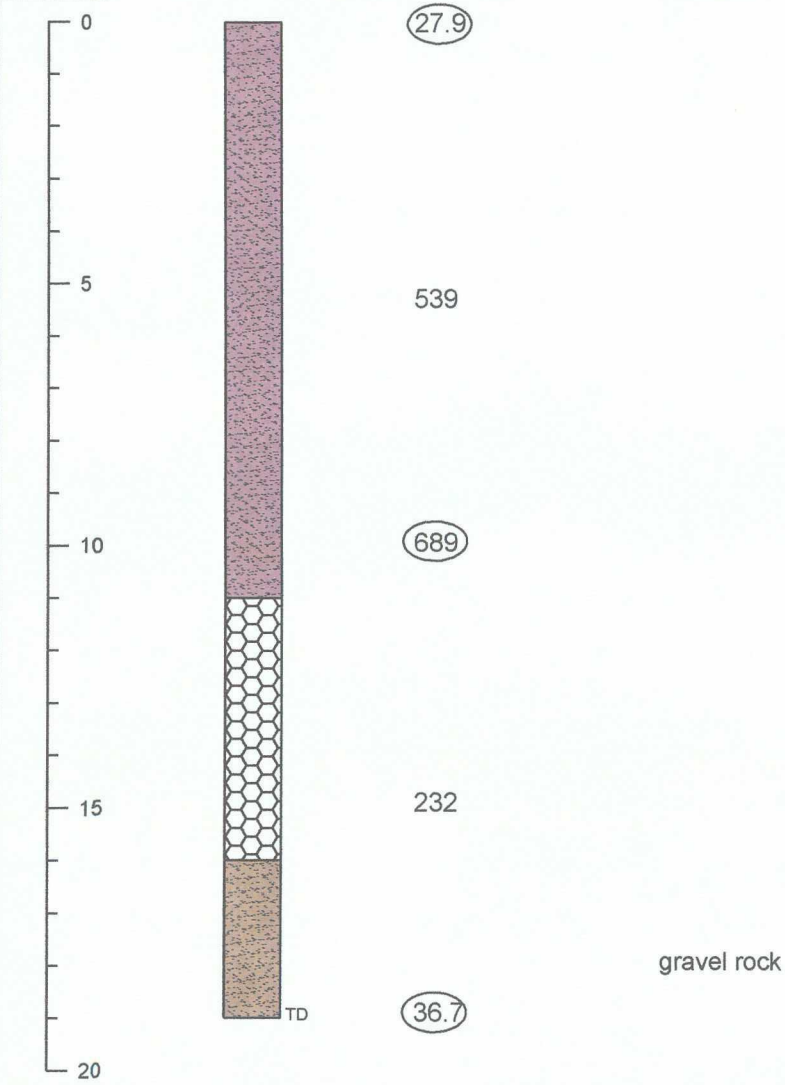
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS		
February 23, 2000		

Soil Boring SB - 1



Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 1

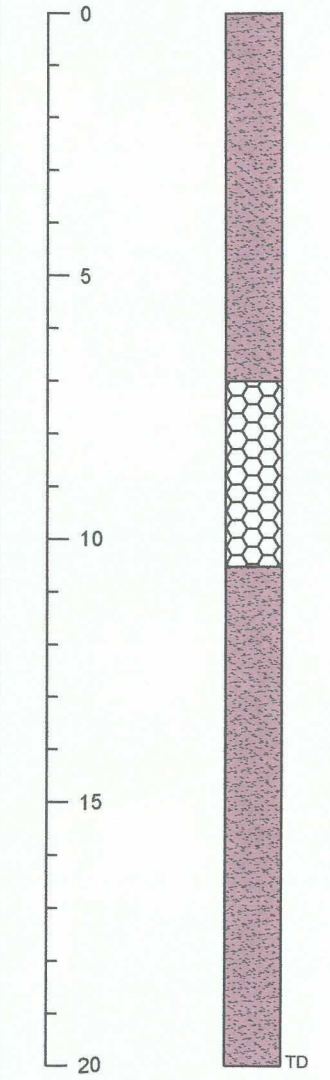
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 2



Notes

clayey

Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 2

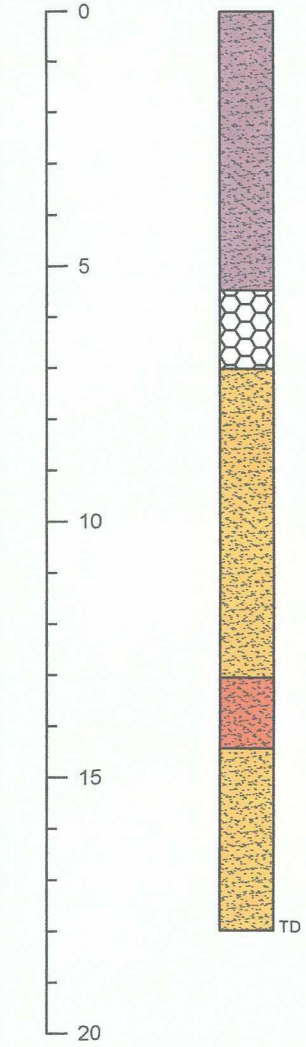
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 3



Notes

Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 3

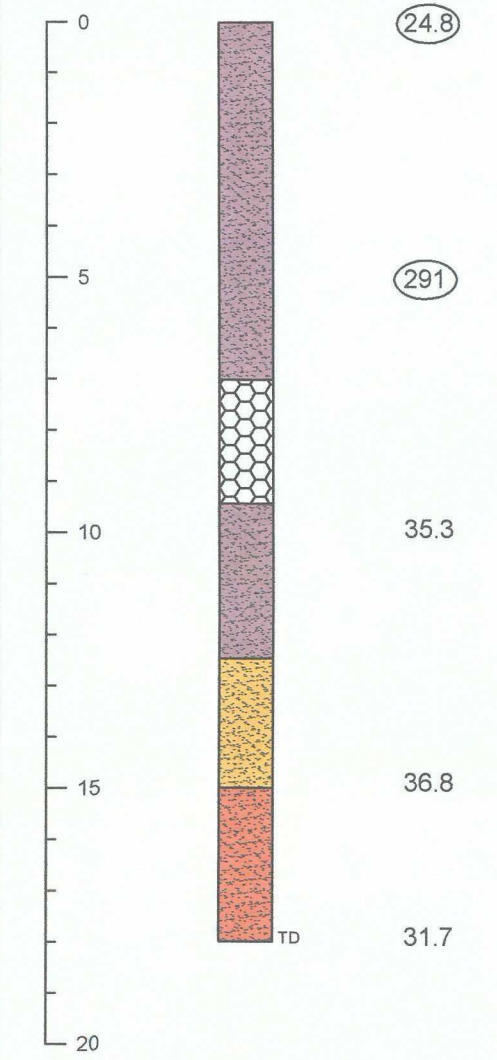
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 4



Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 4

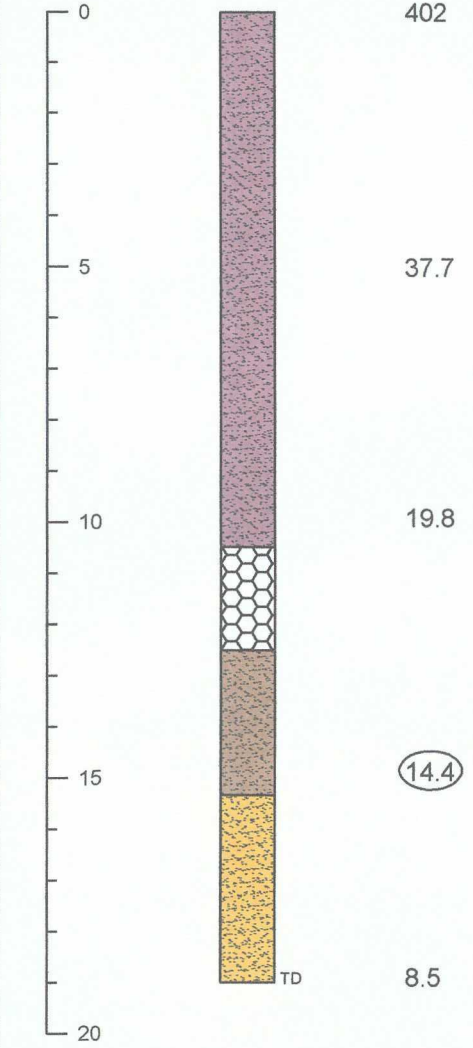
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 5



Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 5

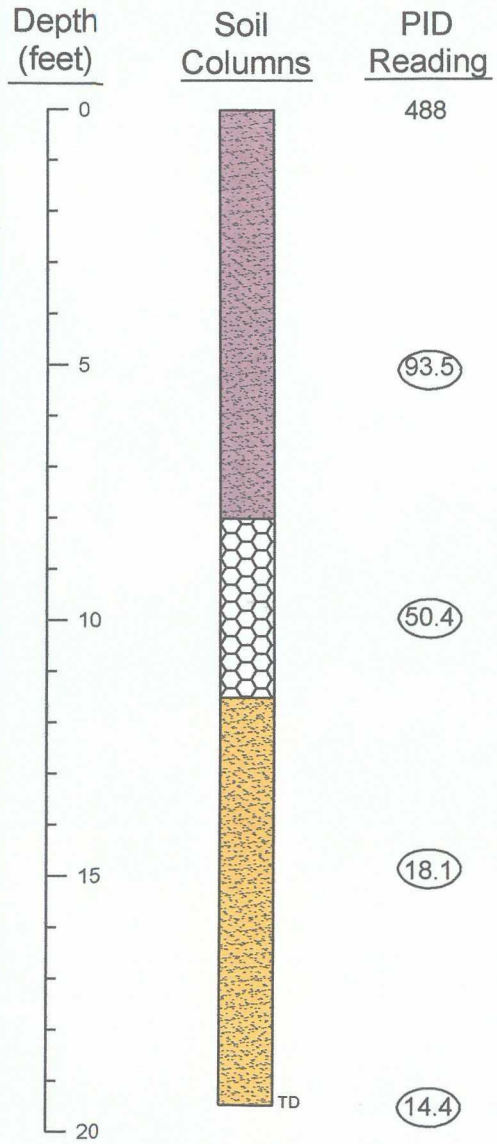
Plains Marketing LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 6



Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 6

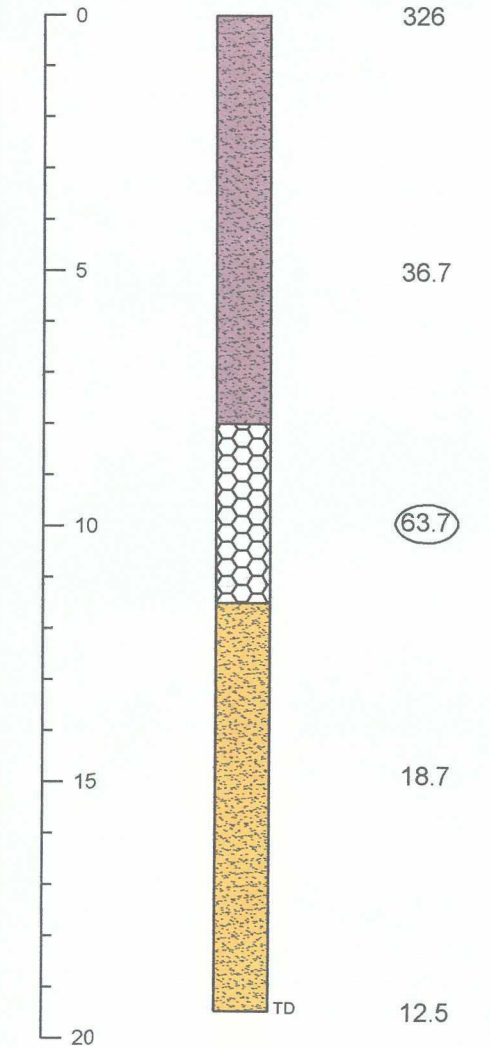
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 7



Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 7

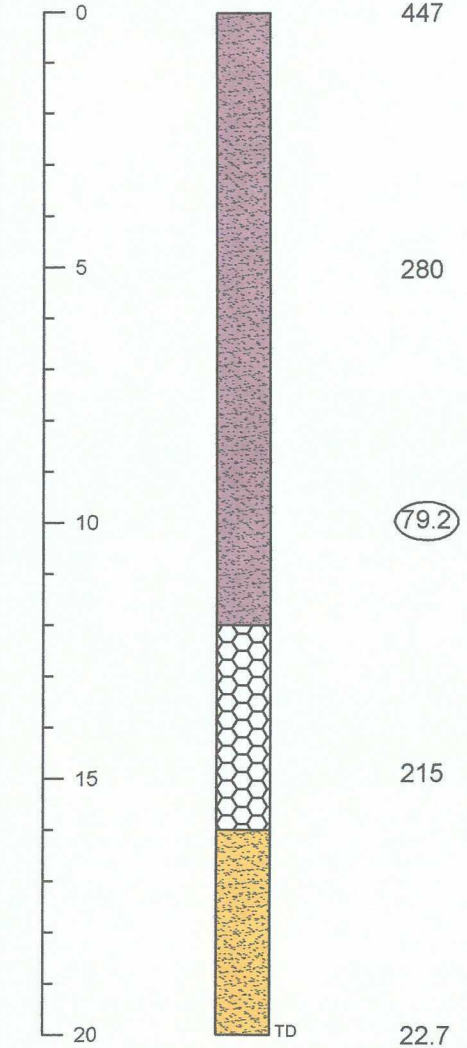
Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Soil Boring SB - 8



Legend

- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, moderate/strong odor, moderate/heavy stain, interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, with slight stain, slight odor interbedded with caliche nodules.
- Sand - (SP) - Tan - Brown, very fine grained, well sorted, dry, no stain, no odor, interbedded with caliche nodules.
- Clay - (ML) - Red, sandy, silty, soft, moist to wet.
- Caliche - White, hard, interbedded with sand.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Indicates samples selected for laboratory analysis.

Soil Boring Details

Date Drilled 02 / 08 / 00

Plugged - Surface to TD with Bentonite and hydrated with deionized water

Soil Boring Log Details

Soil Boring SB - 8

Plains Marketing, L.P. LF - 59 Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	Prep By: RS	Checked By: JT
February 21, 2000		

Appendix B
Laboratory Reports

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760
FAX: 915-520-4310

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: LF-59
Project Name: None Given
Project Location: Monument, N.M.

Sampling Date: 10/29/99
Receiving Date: 10/30/99
Analysis Date: 11/02/99

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C25 mg/kg
21160	SB 1-1- (1')	6680	20263
21161	SB 1-1- (5-7')	7645	14560
21162	SB 1-1- (10-12')	946	3455
21163	SB 1-1- (15'17')	2677	4781
21164	SB 2-1- (1')	6805	17789
21165	SB 2-1- (5-7')	12	101
21166	SB 2-1- (10-12')	<10	20
21167	SB 2-1- (15')	<10	<10
	% INSTRUMENT ACCURACY	110	100
	% EXTRACTION ACCURACY	109	100
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

11-3-99
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ETGI
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact
Project #: LF 59
Project Name: None Given
Project Location: Monument, N.M.

Sampling Date: 10/29/99
Receiving Date: 10/30/99
Analysis Date: 11/02-11/03/99

ELT#	FIELD CODE	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	m,p-XYLENE (mg/kg)	o-XYLENE (mg/kg)
21160	SB 1-1-(1')	<0.200	40.0	35.7	158	63.8
21161	SB 1-1-(5-7')	1.99	25.8	40.6	171	66.4
21162	SB 1-1-(10-12')	<0.100	3.11	4.36	15.71	6.65
21163	SB 1-1-(15'17')	2.23	14.4	15.3	61.1	20.7
21164	SB 2-1-(1')	1.45	30.9	33.8	143	49.2
21165	SB 2-1-(5-7')	<0.100	<0.100	<0.100	0.227	<0.100
21166	SB 2-1-(10-12')	<0.100	<0.100	<0.100	0.153	<0.100
21167	SB 2-1-(15')	<0.100	<0.100	<0.100	0.132	<0.100
	% IA	95	91	91	90	90
	% EA*	*	*	*	*	*
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

*Note: Poor recovery due to elevated hydrocarbon levels

METHODS: SW 846-8021,5030

Raland K. Tuttle

11-3-99
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: Ø31

Project Manager: Jesse Taylor

Phone #: (915) 664-9166

FAX #: (915) 520-4310

Company Name & Address: ETGI, P. O. BOX 4845 MIDLAND, TX 79704

Project #: LF-59

Project Name: —

Project Location: MONUMENT NM

Sampler Signature: [signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX: SLUDGE	MATRIX: OTHER	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD: OTHER	SAMPLING: DATE (1999)	SAMPLING: TIME	BTEX 8021B	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
21160	SB-1-1-(1')	1	4oz		X						X			10-29	Ø815	X								X
21161	SB 1-1-(5-7')	1	4oz		X						X			10-29	Ø840	X								X
21162	SB 1-1-(1Ø-12')	1	↓		↓						↓			↓	Ø920	↓								↓
21163	SB 1-1-(15-17')	1	↓		↓						↓			↓	Ø950	↓								↓
21164	SB 2-1-(1')	1	↓		↓						↓			↓	1Ø3Ø	↓								↓
21165	SB 2-1-(5-7')	1	↓		↓						↓			↓	1Ø45	↓								↓
21166	SB 2-1-(1Ø-12')	1	↓		↓						↓			↓	1Ø55	↓								↓
21167	SB 2-1-(15')	1	↓		↓						↓			↓	1115	↓								↓

Relinquished by:	Date:	Time:	Received by:
[signature]	3Ø OCT 99	1420	Rala [signature]
			Received by Laboratory:

REMARKS

FAX Results
K. Dutton
(5Ø5) 392-376Ø

INVOICE: LENNAH FROST PO# 1015H

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1012R
Project Name: LF-59
Project Location: Monument, N.M.

Sampling Date: See Below
Receiving Date: 02/10/00
Analysis Date: 02/11/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg	Sampling Date
23471	SB-8 (15')	1528	5033	02/08/00
23472	MW-1 (Surface)	<10	151	02/08/00
23473	MW-1 (15')	<10	17	02/08/00
23474	MW-2 (15')	<10	<10	02/08/00
23475	MW-3 (15')	<10	<10	02/09/00
23476	MW-4 (15')	106	560	02/09/00
23477	MW-4 (20')	<10	<10	02/09/00
	%INSTRUMENT ACCURACY	104	101	
	% EXTRACTION ACCURACY	104	108	
	BLANK	<10	<10	

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle — Date: 2-12-00

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1012R
Project Name: LF-59
Project Location: Monument, N.M.

Sampling Date: 02/08/00
Receiving Date: 02/10/00
Analysis Date: 02/11/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23449	SB-1 (surface)	185	14184
23450	SB-1 (10')	62	725
23451	SB-2 (Surface)	765	16530
23452	SB-2 (10')	65	1158
23453	SB-2 (15')	225	1747
23454	SB-2 (20')	<10	207
23455	SB-2 (5')	313	1552
23456	SB-3 (Surface)	<10	1539
23457	SB-3 (15')	<10	70
23458	SB-4 (Surface)	222	24742
23459	SB-4 (5')	826	3321
23460	SB-4 (15')	<10	89
23461	SB-5 (Surface)	3937	19261
23462	SB-5 (15')	<10	81
23463	SB-6 (Surface)	5808	25062
23464	SB-6 (5')	<10	171
23465	SB-6 (10')	<10	41
23466	SB-6 (15')	<10	12
23467	SB-6 (19.5')	<10	<10
23468	SB-7 (Surface)	3725	22199
23469	SB-7 (10')	<10	148
23470	SB-8 (Surface)	5121	23320
	%INSTRUMENT ACCURACY	114	107
	% EXTRACTION ACCURACY	102	96
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

2-12-00
Date

ENVIRONMENTAL LAB OF TEXAS, INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1012R
Project Name: LF-59
Project Location: Monument, N.M.

Sampling Date: 02/08/00
Receiving Date: 02/10/00
Analysis Date: 02/11/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23449	SB-1 (Surface)	<0.100	0.570	0.510	1.81	0.971
	% IA	91	89	87	87	86
	% EA	97	93	90	92	91
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

Raland K. Tuttle

2-15-00
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT 1012R
Project Name: LF-59
Project Location: Monument, N.M.

Sampling Date: 02/14/00
Receiving Date: 02/15/00
Analysis Date: 02/15/00

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
23561	Surface 1-1	<0.100	9.71	9.29	43.8	20.7
23562	Surface 2-1	<0.100	<0.100	9.88	58.1	62.4
23563	SB 2-1	<0.100	<0.100	0.786	3.22	3.08
	% IA	111	104	103	107	104
	% EA	106	103	100	102	100
	BLANK	<0.100	<0.100	<0.100	<0.100	<0.100

METHODS: SW 846-8021B,5030

Raland K. Tuttle

Raland K. Tuttle

2-16-00

Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 505-392-3760

Sample Type: Soil
Sample Condition: Intact/Iced
Project #: EOT1012R
Project Name: LF-69
Project Location: Monument, N.M

Sampling Date: 02/14/00
Receiving Date: 02/15/00
Analysis Date: 02/16/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
23561	Surface 1-1	2683	13792
23562	Surface 2-1	7289	29543
23563	SB 2-1	463	9556
	%INSTRUMENT ACCURACY	100	108
	% EXTRACTION ACCURACY	106	109
	BLANK	<10	<10

Methods: EPA SW 846-8015M GRO/DRO

Raland K. Tuttle

2-17-00
Date

Environmental Lab of Texas, Inc. 12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: JESSE TAYLOR
Phone #: (505) 664 9166
FAX #: (505) 392-3360

Company Name & Address: EYGT
P.O. BOX 4845

Project #: EOT 1012R
Project Name: LF-59

Project Location: MONUMENT NM
Sampler Signature: Simon Cases

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE (2000)	TIME	BTEX 8021	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015/GRO 8015
23561	SURFACE 1-1	1	4oz		X						X			2/14	1450	X								X
23562	SURFACE 2-1	1	4oz		X						X			2/14	1515	X								X
23563	SB 2-1	1	4oz		X						X			2/14	1500	X								X

Relinquished by:	Date:	Time:	Received by:
Simon Cases	2/15/00	1100	
Justin Jones	2/15/00	1155	J. McManus
			Received by Laboratory:

REMARKS
MAIL RESULTS: K. DUTTON
INVOICE: LENNAH FROST 1015M

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 915-520-4310
FAX: 505-392-3760

SampleType: Soil
Sample Condition: Intact/ Iced/ 32 deg. F
Project #: EOT 2012R
Project Name: LF 59
Project Location: Monument, N.M.

Sampling Date: 06/09/00
Receiving Date: 06/10/00
Analysis Date: 06/13/00

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
26516	SB1-2C 0'	<50	15477
26517	SB1-2C 2'	834	15578
26521	SB1-2C 10'	414	2272
26525	SB2-2C 0'	<50	12951
26526	SB2-2C 2'	433	7861
26528	SB2-2C 6'	1325	9183
26530	SB2-2C 10'	146	1881
26533	SB2-2C 16'	767	3181
26534	SB4-2C 0'	<10	1169
26537	SB4-2C 6'	66	977
26539	SB4-2C 10'	<10	34
26540	SB6-2C 0'	1883	60779
26543	SB6-2C 6'	<10	274
26545	SB6-2C 10'	<10	36
26546	SB8-2C 0'	1366	38438
26549	SB8-2C 6'	1450	5807
26551	SB8-2C 10'	<10	109
26554	SB8-2C 16'	<10	319
	% IA	82	100
	% EA	92	111
	BLANK	<10	<10

METHODS: SW 846-8015M GRO/DRO

Umesh Rao
Umesh Rao, Ph. D.

6/15/00
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 153 1 of 4

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND, TX 79704

Project #: EOT2012R
Project Name: LF59

Project Location: Monument, NM
Sampler Signature:

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH 418.1 / TX1005 Ext(C35)	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 Ext(C35)
26516	SB1-2c 0'	1	4oz		X						X			6/7	0834		X							X
26517	SB1-2c 2'														0836		X							X
26518	SB1-2c 4'																X							
26519	SB1-2c 6'																X							
26520	SB1-2c 8'																X							
26521	SB1-2c 10'														0842		X							X
26522	SB1-2c 12'																X							
26523	SB1-2c 14'																X							
26524	SB1-2c 16'																X							
26525	SB2-2c 0'														0903		X							X
26526	SB2-2c 2'														0907		X							X

Relinquished by:	Date:	Time:	Received by:
Ben Aldrich	09 Jun 09	1525	Simon Casas
Simon Casas	10 Jun 09	1100	Rachel Lopez
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS

FR: (505) 392-3760
32 °F

INVOICE: EOT

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

2 of 4

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC: 153

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND, TX 79704

Project #: EOT 2012R
Project Name: LF59

Project Location: Monument, NM
Sampler Signature: Bud Aldrich

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME
26527	SB2-2c 4'	1	4oz		X						X			6/9	
26528	SB2-2c 6'														0908
26529	SB2-2c 8'														
26530	SB2-2c 10'														0916
26531	SB2-2c 12'														
26532	SB2-2c 14'														
26533	SB2-2c 16'														0927
26534	SB4-2c 0'														0940
26535	SB4-2c 2'														
26536	SB4-2c 4'														
26537	SB4-2c 6'														0948

ANALYSIS REQUEST

BTEX 8021B/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	TPH 8015 DRO/GRO
	X							X
								X
								X
								X
								X

Relinquished by:	Date:	Time:	Received by:
Bud Aldrich	09 June 00	1525	Simon Casas
Simon Casas	10 June 00	1100	Robert Jr
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
FR: (505) 392-3760
32 °F

INVOICE: EOT

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3768

COC 153 ANALYSIS REQUEST

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND, TX 79704

Project #: EOT 2012R
Project Name: LF59

Project Location: Monument, NM
Sampler Signature: Beck Aldrich

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH ~~418.1~~ 8015 DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
26538	SB4-2c 8'	1	4oz		X						X			6/9									
26539	SB4-2c 10'														0947		X						
26540	SB6-2c 0'														1060		X						
26541	SB6-2c 2'																						
26542	SB6-2c 4'																						
26543	SB6-2c 6'														1007		X						
26544	SB6-2c 8'																						
26545	SB6-2c 10'														1009		X						
26546	SB8-2c 0'														1078		X						
26547	SB8-2c 2'																						
26548	SB8-2c 4'																						

Relinquished by:	Date:	Time:	Received by:
Beck Aldrich	09 Dec 09	1525	
Relinquished by:	Date:	Time:	Received by:
	10 Dec 09	1100	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
FR: (505) 392-3768
32°F

INVOICE: EOT

Environmental Lab of Texas, Inc.

12600 West I-20 East Odessa, Texas 79763
(915) 563-1800 FAX (915) 563-1713

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

COC 153 ANALYSIS REQUEST

Project Manager: JESSE TAYLOR
Phone #: (915) 664-9166
FAX #: (505) 392-3760

Company Name & Address: ETGI
P.O. Box 4845 MIDLAND, TX 79704

Project #: EOT 2012R
Project Name: LF59

Project Location: Monument, NM
Sampler Signature: Bert Aldred

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	OTHER	SAMPLING: DATE	TIME	BTEX 8021/5030	TPH 418.1 / 8015 DRO/GRO	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI
26549	SB8-2c 6'	1	4oz		X						X			6/9	1026		X						
26550	SB8-2c 8'																						
26551	SB8-2c 10'														1028		X						
26552	SB8-2c 12'																						
26553	SB8-2c 14'																						
26554	SB8-2c 16'														1031		X						
26555	SB8-2c 18'																						

Relinquished by:	Date:	Time:	Received by:
Bert Aldred	9 June 08	1525	Simon Casas
Simon Casas	10 Jun 08	1100	
Relinquished by:	Date:	Time:	Received by Laboratory:

REMARKS
FR: (505) 392-3760
32°F

INVOICE: EOT

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/Iced/ -1.0 deg C
Project #: EOT 2012R
Project Name: LF-59
Project Location: Monument, N.M.

Sampling Date: 03/13/01
Receiving Date: 03/14/01
Analysis Date: 03/14/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
38139	SS 1	342	30817
38140	SS 2	1157	54604
	% INSTRUMENT ACCURACY	95	107
	% EXTRACTION ACCURACY	87	88
	BLANK	<10	<10

Methods: EPA SW 846-8015M

Raland K. Tuttle

3-26-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: MR. JESSE TAYLOR
2540 W. MARLAND
HOBBS, N.M. 88240
FAX: 505-397-4701
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/Iced/ -1.0 deg C
Project #: EOT 2012R
Project Name: LF-59
Project Location: Monument, N.M.

Sampling Date: 03/13/01
Receiving Date: 03/14/01
Analysis Date: See Below

ELT#	FIELD CODE	Total Nitrogen mg/kg	pH s.u.
38139	SS 1	2980	7.83
38140	SS 2	5320	8.16
	QUALITY CONTROL	242	7.01
	TRUE VALUE	250	7.00
	% INSTRUMENT ACCURACY	97	100
	BLANK	<10.0	*
	ANALYSIS DATE	3/20/01	3/19/01

Methods: EPA SW 846-9045, SM4500N

Raland K. Tuttle

3-26-01
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jesse Taylor
Company Name: ET &T
Company Address: 2540 West Marland
City/State/Zip: Hobbs nm 88240
Telephone No: (505) 397-4882
Fax No: (505) 397-4701
Sampler Signature: [signature]

Project Name: LF-59
Project #: EOT 2012R
Project Loc: Monument, nm
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	NITROGEN TOTAL	pH	TPH 8015M DRO/GRO				RUSH TAT (Pre-Schedule)	Standard TAT
38139	SS 1	3-13-01	10:15	1	X									X										+	+	+					
38140	SS 2	3-13-01	10:20	1	X									X										+	+	+					

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: -1.0°C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3-14-01	8:00	[signature]	14 Mar 01	1220

Relinquished by:	Date	Time	Received by ELOT:	Date	Time
[signature]			[signature]	3/14/01	12:20

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119525 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 0-2'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	5.5	77.3	92.2	87.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 6 0-2'	**Report#/Lab ID#:** 119525 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	100	50-150	---
p-Terphenyl	8015 mod.	146	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 FAX: 505 397-4701

Report#/Lab ID#: 119526 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 5'-7'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 09:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	J	5.5	77.3	92.2	87.3

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 6 5'-7'	**Report#/Lab ID#:** 119526 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	100	50-150	---
p-Terphenyl	8015 mod.	133	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119526 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 5'-7'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119527 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 10'-12'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 09:50

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	5.5	77.3	92.2	87.3

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 6 10'-12'	**Report#/Lab ID#:** 119527 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	134	50-150	---
p-Terphenyl	8015 mod.	128	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119528 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 15'-17'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	5.5	77.3	92.2	87.3

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group	**Project ID:** LF-59 EOT 2012R	**Report#/Lab ID#:** 119528
Attn: Ken Dutton	**Sample Name:** MW 6 15'-17'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	92.2	50-150	---
p-Terphenyl	8015 mod.	141	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119529 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 20'-22'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 10:09

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	9.1	mg/Kg	5	<5	09/26/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/26/01	8015 mod.	---	5.5	77.3	92.2	87.3

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group	**Project ID:** LF-59 EOT 2012R	**Report#/Lab ID#:** 119529
Attn: Ken Dutton	**Sample Name:** MW 6 20'-22'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	110	50-150	---
p-Terphenyl	8015 mod.	136	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119530 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 6 25'-27'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 10:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	5.5	77.3	92.2	87.3

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CHEMTECH INC.
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 6 25'-27'	**Report#/Lab ID#:** 119530 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	104	50-150	---
p-Terphenyl	8015 mod.	146	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119531 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 0'-2'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 11:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	4280	mg/Kg	50	<50	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.[illegible]
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	309	mg/Kg	5	<5	09/26/01	8015 mod.	---	5.5	77.3	92.2	87.3
Volatile organics-8260b/BTEX	---		---		09/28/01	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	09/28/01	8260b	---	8.5	98.9	90.8	108
Ethylbenzene	155	µg/Kg	20	<20	09/28/01	8260b	---	10.4	90.3	98.9	91.4
m,p-Xylenes	378	µg/Kg	20	<20	09/28/01	8260b	---	10.7	90.1	98.5	91.2
o-Xylene	322	µg/Kg	20	<20	09/28/01	8260b	---	10.8	88.6	99.3	91.3
Toluene	<20	µg/Kg	20	<20	09/28/01	8260b	---	6.8	95.7	90.7	104.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 7 0'-2'	**Report#/Lab ID#:** 119531 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 10X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 10X	D
1,2-Dichloroethane-d4	8260b	88.5	65-115	---
Toluene-d8	8260b	80	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 119531 **Matrix:** soil
Client: Environmental Tech Group **Attn:** Ken Dutton
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 0'-2'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119532 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 5-'7'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 11:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	5.5	77.3	92.2	87.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 7 5-'7'	**Report#/Lab ID#:** 119532 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	100	50-150	---
p-Terphenyl	8015 mod.	106	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119533 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 10'-12'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 11:52

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	5.31	mg/Kg	5	<5	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	5.5	77.3	92.2	87.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 7 10'-12'	**Report#/Lab ID#:** 119533 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	89.9	50-150	---
p-Terphenyl	8015 mod.	104	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119534 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 15'-17'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	5.5	77.3	92.2	87.3

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 7 15'-17'	**Report#/Lab ID#:** 119534 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	55.1	50-150	---
p-Terphenyl	8015 mod.	60.8	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119535 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 20'-22'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 12:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	5.5	77.3	92.2	87.3

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 7 20'-22'	**Report#/Lab ID#:** 119535 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	101	50-150	---
p-Terphenyl	8015 mod.	148	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group
Attn: Ken Dutton
Address: 2540 W. Marland
Hobbs Nm 88240

Phone: 505 397-4882 **FAX:** 505 397-4701

Report#/Lab ID#: 119536 **Report Date:** 09/28/01
Project ID: LF-59 EOT 2012R
Sample Name: MW 7 25'-27'
Sample Matrix: soil
Date Received: 09/21/2001 **Time:** 14:20
Date Sampled: 09/17/2001 **Time:** 12:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	1.6	73.6	99.5	111.5
TPH by GC (as diesel-ext)	---	---	---	---	09/24/01	3540	---	---	---	---	--
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/27/01	8015 mod.	---	5.5	77.3	92.2	87.3

Respectfully Submitted,

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Tech Group **Attn:** Ken Dutton	**Project ID:** LF-59 EOT 2012R **Sample Name:** MW 7 25'-27'	**Report#/Lab ID#:** 119536 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	102	50-150	---
p-Terphenyl	8015 mod.	136	50-150	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

CHAIN-OF CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Send Reports To:
Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4882 Fax (505) 397-4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

#89

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: LF-59 EOT 2012R Sampler: Simon Casas

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015 DRO/GRO	BTEX 8021B	Comments
MW 6 0-2'	9-17-01	0930	1	X			119525	X		
MW 6 5-7'		0940					119526			
MW 6 10-12'		0950					119527			
MW 6 15-17'		1000					119528			
MW 6 20-22'		1009					119529			
MW 6 25-27'		1015					119530			
MW 7 0-2'		1135					119531		X	
MW 7 5-7'		1145					119532			
MW 7 10-12'		1152					119533			
MW 7 15-17'		1200					119534			

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp 1.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas	ETGI	9-20-01	8:30 AM	Melanie Humphrey	ASI	9/21/01	14:20

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

CHAIN-OF-CUSTODY

AnalySys, Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Send Reports To:
Company Name ETGI
Address 2540 W MARLAND
City HOBBS State NM Zip 88240
ATTN: KEN DUTTON
Phone (505) 397-4882 Fax (505) 397 4701

Bill to (if different):
Company Name EOTT
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: LF-59 EOT 2012R Sampler: Simon Casas

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015 DRO/GRO	Comments
MW 7 20'-22'	9-17-01	1210	1	X			119535	X	
MW 7 25'-27'	9-17-01	1220	1	X			119536	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

TEMP 1.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Simon Casas				Melanie Humphrey	ASI	9/21/01	14:20

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: CHANCE JOHNSON
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ 2.0 deg C
Project Name: LF-59 (TNM-LF-1999-59)
Project #: EOT 2012R
Project Location: Monument, NM
EOTT Leak #: State Byrd

Sampling Date: 12/02/01
Receiving Date: 12/03/01
Analysis Date: 12/03/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0102116-01	SPS-01	512	4030
0102116-02	SPUS-01	678	4420

QUALITY CONTROL	478	580
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	96	112
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	752
SPIKE	434	1350
SPIKE DUP	440	1380
% EXTRACTION ACCURACY	91	126
BLANK	<10	<10
RPD	1.37	2.2

Methods: SW 846-8015M

Raland K. Tuttle

12-04-01
Date

For Use On **EOTT ENERGY CORP.** Projects Only

Environmental Technology Group, Inc — Environmental Consulting & Remediation Services

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: CHANCE JOHNSON

Project Name: LF-59 (TNM-LF-1999-59)

Project Location: MONUMENT, NM

EOTT Leak Number: STATE BYRD

ETGI Project Number: EOT 2012R

Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH TX1005/TX1006	TPH 418.1	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
0102116-01	SPS-01	1	4oz		✓								12/02	1115				X									
↓ 02	SPUS-01	1	1		1								12/02	1120				1									

Relinquished by: Date: 12/3/01 Time: 8:80

Received by: Date: Time:

Relinquished by: Date: Time:

Received at Lab by: Date: 12-3-01 Time: 0830

REMARKS: RUSH TURN & HOLD FOR BTEX
Rec 2.0°C

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: CHANCE JOHNSON
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/Iced/ 1.0 deg C
Project Name: LF-59
Project #: EOT 2012R
Project Location: Monument, NM

Sampling Date: 12/10/01
Receiving Date: 12/13/01
Analysis Date: 12/13/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0102211-01	GP-1 0-3'	<10	<10
0102211-02	GP-3 0-3'	<10	12
0102211-03	GP-4 0-4'	<10	<10
0102211-04	GP-4 4-5'	<10	15
0102211-05	GP-5 0-3'	<10	<10
0102211-06	GP-6 0-3'	<10	<10
0102211-07	GP-7 0-3'	<10	<10
0102211-08	GP-8 0-3'	<10	<10
0102211-09	GP-9 0-4'	<10	68
0102211-10	GP-9 4-8'	<10	<10
0102211-11	GP-9 8-10'	<10	12
0102211-12	GP-11	<10	<10
0102211-13	GP-12 0-4'	<10	<10
0102211-14	GP-13 0-4'	<10	<10
	QUALITY CONTROL	420	432
	TRUE VALUE	500	500
	% INSTRUMENT ACCURACY	84	86
	SPIKED AMOUNT	476	476
	ORIGINAL SAMPLE	<10	39
	SPIKE	411	462
	SPIKE DUP	408	455
	% EXTRACTION ACCURACY	86	97
	BLANK	<10	<10
	RPD	0.73	1.53

Methods: EPA SW 846-8015M GRO/DRO

Raland K Tuttle

Celey D. Keene
Raland K. Tuttle

12-14-01
Date

Environmental Technology Group, Inc.
ETGI
Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

EOTT ENERGY CORP.
5805 East Business 20
Midland, TX 79702
Tel (915) 687-3400
Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager: CHANCE JOHNSON
EOTT Leak Number:
Project Name: LF-59
ETGI Project Number: EOT2013R
Project Location: MONUMENT, NM
Sampler Signature:

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH TX1005/TX1006	TPH 418.1	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
010221-01	GP-1 0-3'	1	4oz		X						X		12/10	1017				X									
02	GP-3 0-3'													1100													
03	GP-4 0-4'													1130													
04	" 4-5'													1135													
05	GP-5 0-3'													1149													
06	GP-6 0-3'													1209													
07	GP-7 0-3'													1235													
08	GP-8 0-3'													1242													
09	GP-9 0-4'													1305													
10	" 4-8'													1310													
11	" 8-10'													1321													
12	GP-11													1447													

Relinquished by: Date: Time:
12/12

Received by: Date: Time:
12-13-01 815

Relinquished by: Date: Time:
12-13-01 815

Received at Lab by: Date: Time:
12-13-01 0815

REMARKS: Rec. 1.0°C
RUSH & HOLD FOR BTEX

Environmental Technology Group, Inc. — Environmental Consulting & Remediation Services

For Use On **EOTT ENERGY CORP.** Projects Only

4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
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Midland, TX 79702
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Fax (915) 582-2781

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: CHANCE JOHNSON
EOTT Leak Number:
Project Name: LF-59
ETGI Project Number: EOT2012R
Project Location: MONUMENT, NM
Sampler Signature:

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATION METHOD: HCL	HNO_3	$NaHSO_4$	ICE	NONE	SAMPLING: DATE	TIME	BTEX 8021B/5030	TPH TX1005/TX1006	TPH 418.1	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/7470	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3
0102211-13	GP-12 0-4'	1	4oz		X						X		12/10	1503				X									
↓ 14	GP-13 0-4'	1	1		1						1		1	1522				1									

Relinquished by: Date: 12/12 Time:
Received by: Date: 12-12-01 Time: 815

Relinquished by: Date: 12-13-01 Time: 815
Received at Lab by: Date: 12-13-01 Time: 0815

REMARKS: Rec. 1.0°C
RUSH + HOLD FOR BTEX

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ -2.0 deg C
Project Name: LF-59
Project #: EOT 2012R
Project Location: Monument, NM

Sampling Date: 12/20/01
Receiving Date: 12/21/01
Analysis Date: 12/26/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0102272-01	East Wall	11	458
0102272-02	South Wall	125	1040
0102272-03	West Corner Pad	924	7360
0102272-04	North West Wall	<10	174
0102272-05	Center of North Side	578	4620
0102272-06	North East Wall	285	2300
0102272-07	Center of South Side	1660	16900
0102272-08	West Wall	14	888

QUALITY CONTROL	463	464
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	93	93
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	174
SPIKE	457	697
SPIKE DUP	479	633
% EXTRACTION ACCURACY	101	96
BLANK	<10	<10
RPD	4.70	9.62

Methods: SW 846-8015M

Celey D. Keene
Raland K. Tuttle

12-31-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ -2.0 deg C
Project Name: LF-59
Project #: EOT 2012R
Project Location: Monument, NM

Sampling Date: 12/20/01
Receiving Date: 12/21/01
Analysis Date: 12/28/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0102272-01	East Wall	<0.025	0.044	<0.025	0.066	0.064
0102272-02	South Wall	0.026	0.128	0.729	2.60	1.28
0102272-03	West Corner Pad	0.035	0.242	3.14	10.1	4.88
0102272-04	North West Wall	<0.025	0.047	<0.025	0.094	<0.025
0102272-05	Center of North Side	0.060	0.472	2.79	11.9	3.59
0102272-06	North East Wall	<0.025	0.186	0.460	4.14	1.59
0102272-07	Center of South Side	0.100	0.987	1.30	5.77	4.61
0102272-08	West Wall	<0.025	0.045	<0.025	0.036	0.026
	QUALITY CONTROL	0.109	0.115	0.109	0.228	0.114
	TRUE VALUE	0.100	0.100	0.100	0.200	0.100
	% IA	109	115	109	114	114
	SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
	ORIGINAL SAMPLE	<0.025	0.047	<0.025	0.094	<0.025
	SPIKE	0.108	0.112	0.112	0.235	0.112
	SPIKE DUP	0.114	0.116	0.115	0.233	0.111
	%EA	114	114	115	114	111
	BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
	RPD	5.40	3.57	2.64	1.74	0.90

METHODS: EPA SW 846-8021B ,5030

Celey D. Keene
Raland K. Tuttle

12-31-01
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Ken Dutton
Company Name: ETGI
Company Address: 254Ø W. Marland
City/State/Zip: Hobbs NM 8824Ø
Telephone No: 505-397-4882
Fax No: 505-397-47Ø1
Sampler Signature: Marcelo Campos

Project Name: LF-59
Project #: EOT 2Ø12R
Project Loc: Monument NM
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify)	TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
0102272-01	East Wall	12-20-01	133Ø	1	X									X					X				X		
02	South Wall		134Ø																						
03	West Corner Pad		135Ø																						
04	Northwest Wall		14ØØ																						
05	Center of Northside		141Ø																						
06	Northeast Wall		142Ø																						
07	Center of Southside		143Ø																						
08	West Wall		144Ø																						

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments: -2.0°C

Relinquished by:	Date	Time	Received by:	Date	Time
Marcelo Campos	12-21-01	Ø93Ø	Camille Reynolds	21 Dec	0930

Relinquished by:	Date	Time	Received by ELOT:	Date	Time
Camille Reynolds	21 Dec	1450	[illegible]	12-21-01	1450

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: LF-59
Project #: EOT 2012R
Project Location: Monument, NM

Sampling Date: 12/27/01
Receiving Date: 12/28/01
Analysis Date: 12/28/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0102300-01	Grid 1 Sample 1	138	3540
0102300-02	Grid 2 Sample 2	211	4500
0102300-03	Grid 3 Sample 3	139	3920
0102300-04	Grid 4 Sample 4	169	3530

QUALITY CONTROL	504	501
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	101	100
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	127
SPIKE	412	632
SPIKE DUP	481	711
% EXTRACTION ACCURACY	86	106
BLANK	<10	<10
RPD	15.4	11.8

Methods: SW 846-8015M

Celey D. Keene
Raland K. Tuttle

12-31-01
Date

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: KEN DUTTON
2540 W. MARLAND
HOBBS, NM 88240
FAX: 505-397-4701

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: LF-59
Project #: EOT 2012R
Project Location: Monument, NM

Sampling Date: 12/27/01
Receiving Date: 12/28/01
Analysis Date: 12/28/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0102300-01	Grid 1 Sample 1	<0.025	0.104	0.282	2.33	1.25
0102300-02	Grid 2 Sample 2	<0.100	0.236	0.675	4.68	1.90
0102300-03	Grid 3 Sample 3	<0.100	0.138	0.336	2.34	0.967
0102300-04	Grid 4 Sample 4	<0.100	0.174	0.324	2.87	1.78

QUALITY CONTROL	0.109	0.115	0.109	0.228	0.114
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	109	115	109	114	114
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	0.047	<0.025	0.094	<0.025
SPIKE	0.108	0.112	0.112	0.235	0.112
SPIKE DUP	0.114	0.116	0.115	0.233	0.111
%EA	114	114	115	114	111
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	5.40	3.57	2.64	1.74	0.90

METHODS: EPA SW 846-8021B ,5030

Celey D. Keene
Raland K. Tuttle

12-31-01
Date

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Ken Dutton
Company Name: ETGI
Company Address: 2540 W. Marland
City/State/Zip: Hobbs, nm 88240
Telephone No: (505) 397-4882 Fax No: (505) 397-4701
Sampler Signature: Camille Reynolds

Project Name: LF-59
Project #: EOT 2012R
Project Loc: Monument, nm
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1005	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
0102300-01	Grid 1 Sample 1	27 Dec 2001	1515	1	X									X					X				X	X	X
02	Grid 2 Sample 2		1520																						
03	Grid 3 Sample 3		1550																						
04	Grid 4 Sample 4		1558																						

Special Instructions:
Verbal Results Please

Sample Containers Intact? Y N
Temperature Upon Receipt: 4.0°C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Camille Reynolds	12-28-01	1235			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Corine McMurrey	12-28-01	1230

Analytical and Quality Control Report

Craig Eschberger
Nova Safety & Environmental
5023 Commerce
Midland, TX 79703

Report Date: December 24, 2004

Work Order: 4122107

Project Location: Monument
Project Name: LF-59
Project Number: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
51247	SS-1	soil	2004-12-18	09:42	2004-12-21
51248	SS-2	soil	2004-12-18	09:51	2004-12-21
51249	SS-3	soil	2004-12-18	10:00	2004-12-21
51250	SS-4	soil	2004-12-18	10:05	2004-12-21

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

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 51247 - SS-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	14833	Date Analyzed:	2004-12-21	Analyzed By:	BP
Prep Batch:	13095	Date Prepared:	2004-12-21	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		219		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	193	mg/Kg	1	150	129	69.8 - 106.1

Sample: 51247 - SS-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	14869	Date Analyzed:	2004-12-22	Analyzed By:	MS
Prep Batch:	13127	Date Prepared:	2004-12-22	Prepared By:	MS

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO	[2]	<10.0		mg/Kg	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.825	mg/Kg	100	0.100	8	0 - 160
4-Bromofluorobenzene (4-BFB)		0.999	mg/Kg	100	0.100	10	0 - 174

Sample: 51248 - SS-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	14833	Date Analyzed:	2004-12-21	Analyzed By:	BP
Prep Batch:	13095	Date Prepared:	2004-12-21	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		176		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	178	mg/Kg	1	150	119	69.8 - 106.1

Sample: 51248 - SS-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035

[1] Surrogate recovery out of control chart range but within method limits.
[2] Sample diluted due to surfactants.
[3] Surrogate recovery out of control chart range but within method limits.

QC Batch: 14869 | Date Analyzed: 2004-12-22 | Analyzed By: MS
Prep Batch: 13127 | Date Prepared: 2004-12-22 | Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[4]	<5.00	mg/Kg	50	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.873	mg/Kg	50	0.100	17	0 - 160
4-Bromofluorobenzene (4-BFB)		0.906	mg/Kg	50	0.100	18	0 - 174

Sample: 51249 - SS-3

Analysis: TPH DRO | Analytical Method: Mod. 8015B | Prep Method: N/A
QC Batch: 14833 | Date Analyzed: 2004-12-21 | Analyzed By: BP
Prep Batch: 13095 | Date Prepared: 2004-12-21 | Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		175	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[5]	192	mg/Kg	1	150	128	69.8 - 106.1

Sample: 51249 - SS-3

Analysis: TPH GRO | Analytical Method: S 8015B | Prep Method: S 5035
QC Batch: 14869 | Date Analyzed: 2004-12-22 | Analyzed By: MS
Prep Batch: 13127 | Date Prepared: 2004-12-22 | Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[6]	<5.00	mg/Kg	50	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.805	mg/Kg	50	0.100	16	0 - 160
4-Bromofluorobenzene (4-BFB)		0.881	mg/Kg	50	0.100	18	0 - 174

Sample: 51250 - SS-4

Analysis: TPH DRO | Analytical Method: Mod. 8015B | Prep Method: N/A
QC Batch: 14833 | Date Analyzed: 2004-12-21 | Analyzed By: BP
Prep Batch: 13095 | Date Prepared: 2004-12-21 | Prepared By: DS

[4] Sample diluted due to surfactants.
[5] Surrogate recovery out of control chart range but within method limits.
[6] Sample diluted due to surfactants.

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		254	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[7]	194	mg/Kg	1	150	129	69.8 - 106.1

Sample: 51250 - SS-4

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	14869	Date Analyzed:	2004-12-22	Analyzed By:	MS
Prep Batch:	13127	Date Prepared:	2004-12-22	Prepared By:	MS

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	[8]	<5.00	mg/Kg	50	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.763	mg/Kg	50	0.100	15	0 - 160
4-Bromofluorobenzene (4-BFB)		0.882	mg/Kg	50	0.100	18	0 - 174

Method Blank (1) QC Batch: 14833

Parameter	Flag	Result	Units	RL
DRO		<50.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		126	mg/Kg	1	150	84	69.8 - 106.1

Method Blank (1) QC Batch: 14869

Parameter	Flag	Result	Units	RL
GRO		1.94	mg/Kg	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	10	0.100	102	81.8 - 109
4-Bromofluorobenzene (4-BFB)		0.624	mg/Kg	10	0.100	62	50.7 - 113

Laboratory Control Spike (LCS-1) QC Batch: 14833

[7] Surrogate recovery out of control chart range but within method limits.
[8] Sample diluted due to surfactants.

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	246	244	mg/Kg	1	250	<12.0	98	1	78.7 - 117.6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	138	140	mg/Kg	1	150	92	93	69.8 - 106.1

Laboratory Control Spike (LCS-1) QC Batch: 14869

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	10.0	11.2	mg/Kg	10	1.00	<0.381	100	11	72 - 124	21

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.03	0.921	mg/Kg	10	0.100	103	92	80.4 - 113
4-Bromofluorobenzene (4-BFB)	0.927	0.891	mg/Kg	10	0.100	93	89	72.2 - 119

Matrix Spike (MS-1) QC Batch: 14869 Spiked Sample: 51263

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	12.5	12.4	mg/Kg	10	1.00	<0.381	125	1	0 - 182	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.12	1.08	mg/Kg	10	0.1	112	108	0 - 160
4-Bromofluorobenzene (4-BFB)	1.05	1.06	mg/Kg	10	0.1	105	106	0 - 174

Standard (ICV-1) QC Batch: 14833

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	248	99	75 - 125	2004-12-21

Standard (CCV-1) QC Batch: 14833

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	75 - 125	2004-12-21

Standard (ICV-1) QC Batch: 14869

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.08	108	85 - 115	2004-12-22

Standard (CCV-1) QC Batch: 14869

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.928	93	85 - 115	2004-12-22

Page 1 of 1

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TraceAnalysis, Inc.

155 McCutcheon,Suite H
El Paso, Texas 79932
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 4122107

Company Name: NOVA
Phone #: (432) 520-7720
Address: (Street, City, Zip) 2057 Commerce DR Midland 79703
Fax #: (432) 520-7701
e-mail:
Contact Person: Todd Chaban
Invoice to: (If different from above) Plains
Project #: TNM LF-59
Project Name: LF-59
Project Location: Monument
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE (2004)	TIME
51247	SS-1	1	4oz		X							X		12/16	9:42
48	SS-2	1	4oz		X							X		"	9:57
49	SS-3	1	4oz		X							X		"	10:00
50	SS-4	1	4oz		X							X		"	10:05

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol 8260B/624	GC/MS Semi Vol 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD TSS pH	Moisture Content	Turn Around Time if different from standard	Hold
		X																
		X																
		X																
		X																

8015 DRO + GRO

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	12/18/04	16:00	Helen Shelton	12/18/04	1600
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Helen Shelton	12/20/04	1745			
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			Vicki Crum	12-21-04	

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

4 samples-HS

ORIGINAL COPY

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 3°a °
Log-in Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Lone Star/Logistics P120.3883

TRACEANALYSIS, INC.

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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: September 13, 2005

Work Order: 5091209

Project Location: Monument
Project Name: LF-59
Project Number: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
73128	SS-1	soil	2005-09-07	13:35	2005-09-10
73129	SS-2	soil	2005-09-07	13:52	2005-09-10
73130	SS-3	soil	2005-09-07	14:08	2005-09-10
73131	SS-4	soil	2005-09-07	14:26	2005-09-10

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

Blair Leftwich

Dr. Blair Leftwich, Director

Analytical Report

Sample: 73128 - SS-1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	21197	Date Analyzed:	2005-09-12	Analyzed By:	JL
Prep Batch:	18606	Sample Preparation:	2005-09-12	Prepared By:	JL

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**102**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		139	mg/Kg	1	150	92	50 - 150

Sample: 73128 - SS-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	21209	Date Analyzed:	2005-09-12	Analyzed By:	MT
Prep Batch:	18617	Sample Preparation:	2005-09-12	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<1.00		mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.997	mg/Kg	10	0.100	100	10 - 160
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	10	0.100	101	10 - 174

Sample: 73129 - SS-2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	21197	Date Analyzed:	2005-09-12	Analyzed By:	JL
Prep Batch:	18606	Sample Preparation:	2005-09-12	Prepared By:	JL

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**115**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		131	mg/Kg	1	150	87	50 - 150

Sample: 73129 - SS-2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	21209	Date Analyzed:	2005-09-12	Analyzed By:	MT
Prep Batch:	18617	Sample Preparation:	2005-09-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.974	mg/Kg	10	0.100	97	10 - 160
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	10	0.100	101	10 - 174

Sample: 73130 - SS-3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	21197	Date Analyzed:	2005-09-12	Analyzed By:	JL
Prep Batch:	18606	Sample Preparation:	2005-09-12	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**60.7**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		130	mg/Kg	1	150	86	50 - 150

Sample: 73130 - SS-3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	21209	Date Analyzed:	2005-09-12	Analyzed By:	MT
Prep Batch:	18617	Sample Preparation:	2005-09-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	10	0.100	102	10 - 160
4-Bromofluorobenzene (4-BFB)		1.01	mg/Kg	10	0.100	101	10 - 174

Sample: 73131 - SS-4

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	21197	Date Analyzed:	2005-09-12	Analyzed By:	JL
Prep Batch:	18606	Sample Preparation:	2005-09-12	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		145	mg/Kg	1	150	97	50 - 150

Sample: 73131 - SS-4

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	21209	Date Analyzed:	2005-09-12	Analyzed By:	MT
Prep Batch:	18617	Sample Preparation:	2005-09-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.907	mg/Kg	10	0.100	91	10 - 160
4-Bromofluorobenzene (4-BFB)		0.930	mg/Kg	10	0.100	93	10 - 174

Method Blank (1) QC Batch: 21197

Parameter	Flag	MDL Result	Units	RL
DRO		<12.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		136	mg/Kg	1	150	91	50 - 150

Method Blank (1) QC Batch: 21209

Parameter	Flag	MDL Result	Units	RL
GRO		2.10	mg/Kg	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.966	mg/Kg	10	0.100	96	81.8 - 109
4-Bromofluorobenzene (4-BFB)		0.849	mg/Kg	10	0.100	85	50.7 - 113

Laboratory Control Spike (LCS-1) QC Batch: 21197

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	233	249	mg/Kg	1	250	<12.0	93	7	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	138	134	mg/Kg	1	150	92	89	50 - 150

Laboratory Control Spike (LCS-1) QC Batch: 21209

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	9.27	9.77	mg/Kg	10	1.00	<0.381	93	5	72 - 124	21

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.877	0.916	mg/Kg	10	0.100	88	92	80.4 - 113
4-Bromofluorobenzene (4-BFB)	0.992	1.01	mg/Kg	10	0.100	99	101	72.2 - 119

Matrix Spike (MS-1) QC Batch: 21197 Spiked Sample: 73129

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	285	277	mg/Kg	1	250	114.9	68	3	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	130	136	mg/Kg	1	150	87	91	50 - 150

Matrix Spike (MS-1) QC Batch: 21209 Spiked Sample: 73124

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	9.62	9.50	mg/Kg	10	1.00	<0.381	96	1	10 - 182	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.928	0.835	mg/Kg	10	0.1	93	84	10 - 160
4-Bromofluorobenzene (4-BFB)	1.06	0.991	mg/Kg	10	0.1	106	99	10 - 174

Standard (ICV-1) QC Batch: 21197

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	284	114	75 - 125	2005-09-12

Standard (CCV-1) QC Batch: 21197

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	242	97	75 - 125	2005-09-12

Standard (CCV-2) QC Batch: 21197

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	234	94	75 - 125	2005-09-12

Standard (ICV-1) QC Batch: 21209

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.962	96	85 - 115	2005-09-12

Standard (CCV-1) QC Batch: 21209

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.885	88	85 - 115	2005-09-12

TRACEANALYSIS, INC.

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Analytical and Quality Control Report

Kurt Stanley
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: October 12, 2005
Work Order: 5101010

Project Location: Monument
Project Name: LF-59
Project Number: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
75322	MW-8 (15-20)	soil	2005-10-04	10:54	2005-10-08

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

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director

Analytical Report

Sample: 75322 - MW-8 (15-20)

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	21873	Date Analyzed:	2005-10-10	Analyzed By:	KB
Prep Batch:	19199	Sample Preparation:	2005-10-10	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	10	0.00100
Toluene		<0.0100	mg/Kg	10	0.00100
Ethylbenzene		<0.0100	mg/Kg	10	0.00100
Xylene		<0.0100	mg/Kg	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.896	mg/Kg	10	0.100	90	74.5 - 114
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	10	0.100	105	36.6 - 112

Sample: 75322 - MW-8 (15-20)

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	21886	Date Analyzed:	2005-10-11	Analyzed By:	JL
Prep Batch:	19212	Sample Preparation:	2005-10-10	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		128	mg/Kg	1	150	85	50 - 150

Sample: 75322 - MW-8 (15-20)

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	21874	Date Analyzed:	2005-10-10	Analyzed By:	KB
Prep Batch:	19199	Sample Preparation:	2005-10-10	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.68**	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	10	0.100	107	10 - 160
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	10	0.100	115	10 - 174

Method Blank (1) QC Batch: 21873

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00333	mg/Kg	0.001
Toluene		<0.00353	mg/Kg	0.001
Ethylbenzene		<0.00339	mg/Kg	0.001
Xylene		<0.0103	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.942	mg/Kg	10	0.100	94	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.746	mg/Kg	10	0.100	75	36.6 - 112

Method Blank (1) QC Batch: 21874

Parameter	Flag	MDL Result	Units	RL
GRO		1.67	mg/Kg	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.974	mg/Kg	10	0.100	97	81.8 - 109
4-Bromofluorobenzene (4-BFB)		0.755	mg/Kg	10	0.100	76	50.7 - 113

Method Blank (1) QC Batch: 21886

Parameter	Flag	MDL Result	Units	RL
DRO		<12.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		105	mg/Kg	1	150	70	50 - 150

Laboratory Control Spike (LCS-1) QC Batch: 21873

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.965	0.954	mg/Kg	10	0.100	<0.0333	96	1	79.8 - 114	20
Toluene	0.964	0.959	mg/Kg	10	0.100	<0.0353	96	0	79.7 - 115	20
Ethylbenzene	0.995	1.00	mg/Kg	10	0.100	<0.0339	100	0	78.7 - 116	20
Xylene	3.00	3.04	mg/Kg	10	0.300	<0.103	100	1	78.7 - 118	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.977	0.910	mg/Kg	10	0.100	98	91	76.6 - 114
4-Bromofluorobenzene (4-BFB)	1.00	1.05	mg/Kg	10	0.100	100	105	72 - 111

Laboratory Control Spike (LCS-1) QC Batch: 21874

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	8.68	9.14	mg/Kg	10	1.00	<0.381	87	5	72 - 124	21

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.932	0.963	mg/Kg	10	0.100	93	96	80.4 - 113
4-Bromofluorobenzene (4-BFB)	0.956	1.00	mg/Kg	10	0.100	96	100	72.2 - 119

Laboratory Control Spike (LCS-1) QC Batch: 21886

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	212	219	mg/Kg	1	250	<12.0	85	3	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	108	109	mg/Kg	1	150	72	72	50 - 150

Matrix Spike (MS-1) QC Batch: 21873 Spiked Sample: 75378

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene		0.943	0.926	mg/Kg	10	0.100	<0.0333	94	2	63.5 - 98.6	20
Toluene		1.02	0.983	mg/Kg	10	0.100	<0.0353	102	4	65.8 - 102	20
Ethylbenzene	[1,2]	1.13	1.09	mg/Kg	10	0.100	<0.0339	113	4	66.6 - 106	20
Xylene	[3,4]	3.52	3.39	mg/Kg	10	0.300	<0.103	117	4	67.4 - 108	20

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

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)		1.03	1.04	mg/Kg	10	0.1	103	104	60.1 - 104
4-Bromofluorobenzene (4-BFB)	[5,6]	1.19	1.13	mg/Kg	10	0.1	119	113	63.1 - 105

Matrix Spike (MS-1) QC Batch: 21874 Spiked Sample: 75378

continued ...

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

matrix spikes continued ...

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	10.5	10.6	mg/Kg	10	1.00	<0.381	105	1	10 - 182	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.08	1.14	mg/Kg	10	0.1	108	114	10 - 160
4-Bromofluorobenzene (4-BFB)	1.26	1.32	mg/Kg	10	0.1	126	132	10 - 174

Matrix Spike (MS-1) QC Batch: 21886 Spiked Sample: 75374

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	222	218	mg/Kg	1	250	<12.0	89	2	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	117	118	mg/Kg	1	150	78	79	50 - 150

Standard (ICV-1) QC Batch: 21873

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0938	94	85 - 115	2005-10-10
Toluene		mg/Kg	0.100	0.0937	94	85 - 115	2005-10-10
Ethylbenzene		mg/Kg	0.100	0.0959	96	85 - 115	2005-10-10
Xylene		mg/Kg	0.300	0.291	97	85 - 115	2005-10-10

Standard (CCV-1) QC Batch: 21873

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0933	93	85 - 115	2005-10-10
Toluene		mg/Kg	0.100	0.0945	94	85 - 115	2005-10-10
Ethylbenzene		mg/Kg	0.100	0.0988	99	85 - 115	2005-10-10
Xylene		mg/Kg	0.300	0.302	101	85 - 115	2005-10-10

Standard (ICV-1) QC Batch: 21874

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.916	92	85 - 115	2005-10-10

Standard (CCV-1) QC Batch: 21874

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.974	97	85 - 115	2005-10-10

Standard (ICV-1) QC Batch: 21886

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	206	82	75 - 125	2005-10-11

Standard (CCV-1) QC Batch: 21886

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	213	85	75 - 125	2005-10-11

1701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 5101010

Company Name: NOVA
Phone #: 520 7720
Address: (Street, City, Zip) 2057 Commerce
Fax #: 520 7701
e-mail:
Contact Person: Curt Stanley
Invoice to: (if different from above) PLAINS
Project #: TNM-LF-59
Project Name: LF-59
Project Location: Monument, NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content	8015M - DRO/GRO		Turn Around Time if different from standard	Hold
5322	MW-8 (15-20)	1	4		✓							✓		10/4/05	1054		✓															✓			

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	10/6/05	1610	Ellen Shelton	10/07/05	1610
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Ellen Shelton	10/07/05	1730			
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				10/8/05	10:45

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

(1 sample HS)

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 4 °
Log-in Review BP

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Greyhound GL1168319 7769

Report Date: October 12, 2005
TNM-LF-59

Work Order: 5101010
LF-59

Page Number: 7 of 7
Monument

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: February 13, 2006

Work Order: 6020613

Project Location: Monument
Project Name: LF-59
Project Number: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
83732	SSW #1	soil	2006-02-02	14:00	2006-02-06
83733	SSW #2	soil	2006-02-02	14:25	2006-02-06
83734	SSW #3	soil	2006-02-02	14:35	2006-02-06
83735	WSW #1	soil	2006-02-02	14:48	2006-02-06
83736	WSW #2	soil	2006-02-02	14:51	2006-02-06
83737	WSW #3	soil	2006-02-02	14:59	2006-02-06
83738	NSW #1	soil	2006-02-02	15:03	2006-02-06
83739	NSW #2	soil	2006-02-02	15:10	2006-02-06
83740	NSW #3	soil	2006-02-02	15:18	2006-02-06
83741	ESW #1	soil	2006-02-02	15:24	2006-02-06
83742	ESW #2	soil	2006-02-02	15:28	2006-02-06
83743	ESW #3	soil	2006-02-02	15:34	2006-02-06

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

Blair Leftwich

Dr. Blair Leftwich, Director

Analytical Report

Sample: 83732 - SSW #1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**282**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	216	mg/Kg	1	150	144	57.5 - 139

Sample: 83732 - SSW #1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<1.00		mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.15	mg/Kg	10	0.100	115	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.23	mg/Kg	10	0.100	123	71.9 - 123.7

Sample: 83733 - SSW #2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**259**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[2]	228	mg/Kg	1	150	152	57.5 - 139

Sample: 83733 - SSW #2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

[1]High surrogate recovery due to peak interference.
[2]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	10	0.100	102	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	10	0.100	107	71.9 - 123.7

Sample: 83734 - SSW #3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		150	mg/Kg	1	150	100	57.5 - 139

Sample: 83734 - SSW #3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	10	0.100	103	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.06	mg/Kg	10	0.100	106	71.9 - 123.7

Sample: 83735 - WSW #1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**611**	mg/Kg	10	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	839	mg/Kg	10	15.0	559	57.5 - 139

Sample: 83735 - WSW #1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	10	0.100	101	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	10	0.100	104	71.9 - 123.7

Sample: 83736 - WSW #2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		148	mg/Kg	1	150	98	57.5 - 139

Sample: 83736 - WSW #2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	10	0.100	108	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.11	mg/Kg	10	0.100	111	71.9 - 123.7

[3]High surrogate recovery due to peak interference.

Sample: 83737 - WSW #3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	Result	RL Units	Dilution	RL
DRO		**170**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		176	mg/Kg	1	150	117	57.5 - 139

Sample: 83737 - WSW #3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	10	0.100	105	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	10	0.100	107	71.9 - 123.7

Sample: 83738 - NSW #1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	Result	RL Units	Dilution	RL
DRO		**2520**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[4]	360	mg/Kg	1	150	240	57.5 - 139

Sample: 83738 - NSW #1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

[4]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**2.87**	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/Kg	10	0.100	97	68 - 129.6
4-Bromofluorobenzene (4-BFB)		0.998	mg/Kg	10	0.100	100	71.9 - 123.7

Sample: 83739 - NSW #2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		147	mg/Kg	1	150	98	57.5 - 139

Sample: 83739 - NSW #2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.27	mg/Kg	10	0.100	127	68 - 129.6
4-Bromofluorobenzene (4-BFB)	[5]	1.31	mg/Kg	10	0.100	131	71.9 - 123.7

Sample: 83740 - NSW #3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**537**	mg/Kg	1	50.0

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[6]	315	mg/Kg	1	150	210	57.5 - 139

Sample: 83740 - NSW #3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.31**	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/Kg	10	0.100	108	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.15	mg/Kg	10	0.100	115	71.9 - 123.7

Sample: 83741 - ESW #1

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		149	mg/Kg	1	150	100	57.5 - 139

Sample: 83741 - ESW #1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	10	0.100	104	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	10	0.100	107	71.9 - 123.7

[6]High surrogate recovery due to peak interference.

Sample: 83742 - ESW #2

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		153	mg/Kg	1	150	102	57.5 - 139

Sample: 83742 - ESW #2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	10	0.100	102	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	10	0.100	104	71.9 - 123.7

Sample: 83743 - ESW #3

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	24533	Date Analyzed:	2006-02-06	Analyzed By:	DS
Prep Batch:	21567	Sample Preparation:	2006-02-06	Prepared By:	JL

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**360**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[7]	251	mg/Kg	1	150	167	57.5 - 139

Sample: 83743 - ESW #3

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	24562	Date Analyzed:	2006-02-12	Analyzed By:	MT
Prep Batch:	21593	Sample Preparation:	2006-02-12	Prepared By:	MT

[7]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.11	mg/Kg	10	0.100	111	68 - 129.6
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	10	0.100	112	71.9 - 123.7

Method Blank (1) QC Batch: 24533

Parameter	Flag	MDL Result	Units	RL
DRO		<10.9	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		124	mg/Kg	1	150	83	57.5 - 139

Method Blank (1) QC Batch: 24562

Parameter	Flag	MDL Result	Units	RL
GRO		2.06	mg/Kg	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	10	0.100	103	81.8 - 109
4-Bromofluorobenzene (4-BFB)		0.923	mg/Kg	10	0.100	92	50.7 - 113

Laboratory Control Spike (LCS-1) QC Batch: 24533

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	216	221	mg/Kg	1	250	<10.9	86	2	84 - 118	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	124	123	mg/Kg	1	150	83	82	57.5 - 139

Laboratory Control Spike (LCS-1) QC Batch: 24562

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	9.25	9.24	mg/Kg	10	1.00	<0.381	92	0	78 - 115	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.998	0.892	mg/Kg	10	0.100	100	89	76.1 - 115
4-Bromofluorobenzene (4-BFB)	1.01	0.966	mg/Kg	10	0.100	101	97	81.3 - 111

Matrix Spike (MS-1) QC Batch: 24533 Spiked Sample: 83733

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO [8,9]	363	317	mg/Kg	1	250	259	42	14	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	182	168	mg/Kg	1	150	121	112	57.5 - 139

Matrix Spike (MS-1) QC Batch: 24562 Spiked Sample: 83732

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	10.2	11.2	mg/Kg	10	1.00	<0.381	102	9	54.2 - 156.3	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.851	0.910	mg/Kg	10	0.1	85	91	10 - 160
4-Bromofluorobenzene (4-BFB)	1.06	1.14	mg/Kg	10	0.1	106	114	10 - 174

Standard (ICV-1) QC Batch: 24533

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	221	88	57.5 - 139	2006-02-06

Standard (CCV-1) QC Batch: 24533

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	224	90	57.5 - 139	2006-02-06

Standard (CCV-2) QC Batch: 24533

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

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	240	96	57.5 - 139	2006-02-06

Standard (ICV-1) QC Batch: 24562

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.917	92	85 - 115	2006-02-12

Standard (CCV-1) QC Batch: 24562

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.930	93	85 - 115	2006-02-12

3701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6020613

Company Name: NOVA
Phone #: (432) 520-7720
Address: (Street, City, Zip) 2057 Commerce
Fax #: (432) 520-7701
e-mail:
Contact Person: Curt Stanley
Invoice to: (if different from above) Plains
Project #: TNM-LF-59
Project Name: LF-59
Project Location: Monument NM.
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE (2006)	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content			Turn Around Time if different from standard	Hold
3732	SSW #1	1	4oz		X							X		2/2	14:00			X																	
33	SSW #2	1	4oz		X							X		2/2	14:15			X																	
34	SSW #3	1	4oz		X							X		2/2	14:35			X																	
35	WSW #1	1	4oz		X							X		2/2	14:48			X																	
36	WSW #2	1	4oz		X							X		2/2	14:51			X																	
37	WSW #3	1	4oz		X							X		2/2	14:59			X																	
38	NSW #1	1	4oz		X							X		2/2	15:03			X																	
39	NSW #2	1	4oz		X							X		2/2	15:10			X																	
40	NSW #3	1	4oz		X							X		2/2	15:18			X																	
41	ESW #1	1	4oz		X							X		2/2	15:24			X																	
42	ESW #2	1	4oz		X							X		2/2	15:30			X																	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	2/3/06	1500	Ellen Shelton	2/03/06	1500
Ellen Shelton	2/03/06	1730			
			Received at Laboratory by: Megan McCord	2/6/06	0925

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

11-14-5

LAB USE ONLY

Intact (Y) N
Headspace Y (N)
Temp 4°
Log-in Review

REMARKS: Btex on Highest T.P.H.

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier #

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon,Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6020613

Company Name: NOVA
Phone #: (432) 520-7720
Address: (Street, City, Zip)
Fax #: (432) 520-7701
e-mail:
Contact Person: Curt Stanley
Invoice to: (if different from above)
Project #: TNM-LF-59
Project Name: LF-59
Project Location: Monument NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
23743	FSW #3	1	4oz		X							X		2/2/2006	1530

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	TX 1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content				Turn Around Time if different from standard	Hold
		X																			

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	2/2/06	17:00	Ellen Shelton	02/03	1500
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Ellen Shelton	2/03/06	1730			
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
			Megan McLeod	2-6-06	0925

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

1-HS

ORIGINAL COPY

LAB USE ONLY

Intact (Y) N
Headspace Y (N)
Temp 4.0 °
Log-in Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Carrier # Fedex

Appendix C
Notification of Release and Corrective Action (Form C-141)

811 South First
Artesia, NM 88210
District II - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

STATE Byrd LF-1999-59

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action
OPERATOR

☑ Initial Report ☐ Final Report

Name: EOTT Energy Pipeline	Contact: Lennah FROST
Address: PO Box 1660	Telephone No.: 915/6843467
Facility Name:	Facility Type: Pipeline

Surface Owner	Mineral Owner	Lease No.
State of New Mexico		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	32	19S	37E					Lea

NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 260 bbls / Volume Recovered: 200 bbls
Source of Release: Crude oil Pipeline	Date and Hour of Occurrence: 7/18/99 1pm / Date and Hour of Discovery: 7/18/99 1PM
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Chris Williams
By Whom? Lennah Frost	Date and Hour: 7/18/99 - 2:30p
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse:

If a Watercourse was Impacted, Describe Fully (Attach Additional Sheets If Necessary)

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)
Internal Corrosion - Leak Clamped off will replace pipe ASAP

Describe Area Affected and Cleanup Action Taken (Attach Additional Sheets If Necessary)
Spill occurred in a previously remediated site. Will evaluate for cleanup this week

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

Signature: Lennah Frost	OIL CONSERVATION DIVISION
Printed Name: Lennah Frost	Approved by District Supervisor:
Title: Sr. ENV. ENG	Approval Date: / Expiration Date:
Date: 7-20-99 Phone: 915/6843467	Conditions of Approval: / Attached ☐