1R - 85

REPORTS

DATE:

May 2008

SITE INVESTIGATION REPORT

RED BYRD #1/Red Byrd Ranch Historical

SE ¼ NE ¼, SECTION 1, TOWNSHIP 20 SOUTH, RANGE 36 EAST
LEA COUNTY, NEW MEXICO
PLAINS EMS NUMBER: TNM RED BYRD #1
PLAINS EMS NUMBER: RED BYRD RANCH-TNM HISTORICAL
NMOCD REFERENCE NUMBER 1R-0085

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 Street
Midland, Texas 79703

May 2008

Brittan K. Byerly, P.G.
President

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

PLAINS PIPELINE

RECEIVED
2008 MAY 19 PM 3 47

May 14, 2008

Mr. Edward Hansen
New Mexico Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Plains Pipeline, L.P. Site Investigation Report
Red Byrd #1/Red Byrd Ranch Historical Release Site
SE ¼, NE ¼ of Section 1, Township 20 South, Range 36 East
Lea County, New Mexico
NMOCD File Number 1R-0085

Dear Mr. Hansen:

Plains Pipeline, L. P. is pleased to submit the attached Site Investigation Report, dated May 2008, for Red Byrd #1/Red Byrd Ranch Historical release site located in Section 1 of Township 20 South and Range 36 East of Lea County, New Mexico. This document includes soil and groundwater activities conducted to date and future activities to be conducted for remediation of the site.

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

Sincerely,

Camille Bryant

Camille Bryant
Remediation Coordinator
Plains Pipeline, L.P.

Cc: Larry Johnson, NMOCD, Hobbs, NM

Enclosure

TABLE OF CONTENTS

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Site Investigation Report in compliance with the New Mexico Oil Conservation Division (NMOCD) e-mail dated February 19, 2008, requiring submittal of a Site Assessment Report transmitting the soil and groundwater activities at the Red Byrd #1 and Red Byrd Ranch Historical Release sites. The Red Byrd #1 Site, which was formally the responsibility of Texas New Mexico Pipeline Company (TNM), is now the responsibility of Plains. A second area of hydrocarbon impact related to the Plains pipeline was discovered in the course of remediating the Red Byrd #1 release, and is centered on monitor well MW-12. In the spring and summer of 2007, this second area of impact was investigated utilizing soil borings and limited excavation. The Release Notification and Corrective Action (Form C-141) forms are provided as Appendix A. A Site Location Map and Site Map are provided as Figure 1 and Figure 2, respectively. Based upon groundwater sampling results obtained from monitor wells on the Red Byrd #1 Site and excavation data obtained in examining the Red Byrd Ranch Historical Release, it is most probable that unidentified additional potential source(s) are located to the north, northwest and south of the Red Byrd #1 Site.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located approximately four miles southwest of the town of Monument, New Mexico in the SE 1/4 of the NE 1/4 of Section 1, Township 20 South, Range 36 East. Evidence of a historical release was brought to the attention of Enron Oil Trading and Transportation (EOTT) who acquired the pipeline from TNM in 1999 (the EOTT/Link pipeline later being acquired by Plains Pipeline), by Mr. Red Byrd in January 2000.

Red Byrd #1 Release was addressed by excavating, shredding and blending approximately 8,900 cubic yards of impacted soil with nutrients to achieve OCD closure status for hydrocarbon impacted sites. Upon completion of excavation activities, confirmation soil samples were collected from the excavation and stockpiles. Review of analytical results indicated soil samples collected from the excavation to be below NMOCD regulatory standards The excavation was backfilled with the blended soil and approximately 3,500 cubic yards of topsoil was transported onsite and the area was contoured to topographic grade. Therefore, evidence suggests that further contribution of hydrocarbon contaminant from the release at the Red Byrd #1 Site to the groundwater plume is not likely.

Groundwater monitoring and gauging is conducted weekly at selected monitor wells at the Red Byrd #1 Site (please refer to Table 1 for gauging data). During the 2007 reporting period, approximately 13 gallons (0.3 barrels) of PSH was recovered from monitor well MW-12, the only monitor well containing PSH. Based on the dissolved phase hydrocarbon distribution in the groundwater (dissolved phase hydrocarbons occur in the most up gradient wells) and the location of product remaining at the site, attempts were made to identify other potential release points that could contribute to the Red Byrd #1 groundwater plume. During this investigation, an additional release point was identified related to the Plains pipeline. This second area of impact has been designated the Red Byrd Ranch TNM Historical Site (Red Byrd Historical) and a Release Notification and Corrective Action (Form C-141) for the Red Byrd Historical Site was generated and is included in Appendix A.

Plains is in the process of delineating the soil issues at the Red Byrd Historical site and is submitting this Site Investigation Report to the NMOCD. This report documents the delineation and remediation activities to date at the Site. This document also serves to transmit Plains' position (to the NMOCD) that there are likely additional sources outside the Plains pipelines that are or have contributed to the dissolved phase contaminant near the Red Byrd #1 site that have not yet been fully identified.

Based on review of historical aerial photographs, maps, interviews with people familiar with the area, and a walking survey of the area, Plains has identified the following environmental concerns which have the potential to impact or have impacted soil and /or groundwater in the area of the Plains Red Byrd #1 and Plains Red Byrd Historical sites.

- Duke Energy Pipeline – running east to west across the area just north of monitor well MW-12 and the Red Byrd #1 area.
- Dynegy Pipeline running north to south through the Red Byrd #1 area.
- Sid Richardson and Duke Energy Pipelines running north to south just east of the Red Byrd #1 area.
- Two Southern Union Pipelines running northeast to southwest immediately adjacent to monitor well MW-6 and in close proximity to monitor well MW-12.
- Rice Operating Pipeline running north to south just west of the Red Byrd Ranch Historical Site.
- Active oil well operated by Apache Corporation just north of monitor well MW-12 and immediately east of monitor well MW-18. Based on the age of the well, there were likely drilling and or disposal pits associated with this well.
- Former oil well location operated by Momentum Energy just south of monitor well MW-15. Based upon the age of the well, there were likely drilling and or disposal pits associated with this well.
- Aerial photograph evidence of a historic pit just south of monitor well MW-16.
- Abandoned pipeline (operator unknown) running east to west just south of monitor wells MW-15 and MW-16.
- Former Warren Refinery and the Climax Chemical Company facility located up-gradient indicate a high probability of a regional groundwater plume that has contributed to the impacts observed at the Red Byrd #1 and Red Byrd Ranch Historical Sites.

A review of analytical results from groundwater samples collected during 2007 at both sites, one can conclude that from the source area around monitoring well MW-1, the benzene concentrations in groundwater generally decrease in a southerly direction (down gradient) towards monitor wells MW-4 and MW-8, then the benzene concentrations reverse and begin to increase at monitor well MW-15 and MW-16, which could indicate an impact to the groundwater from historic drilling operations or pipelines in this area. As the data is evaluated, the benzene concentrations in the monitor wells north of the Red Byrd #1 source area actually increase moving north (up-gradient) from the source area (MW-3) and then decrease (MW-5).

RECENT FIELD ACTIVITIES

During April, May and June of 2007, efforts were made to identify additional release points that could be contributing to the Red Byrd #1 groundwater hydrocarbon plume. The Plains pipeline was stripped back in an area of surface asphaltines near monitor well MW-12. During the stripping of the Plains line, apparent historical contamination was identified and reported to the NMOCD (Red Byrd Ranch Historical). Exploratory excavation began at the suspected release point and continued outward from the initial release point. The current dimensions of the Red Byrd Historical excavation are approximately 280 feet (east-west) x 80 feet (north-south) x 18 feet (deep) and are illustrated on Figure 3.

During excavation of the Plains Red Byrd Historical site, evidence of a recent hydrocarbon release on an eight inch pipeline that crosses the two Plains 6 inch lines belonging to Southern Union was excavated by a Southern Union contractor. An unknown amount of impacted and excavated material was removed by Southern Union and stockpiled south of the Plains lines. This release was reported to the NMOCD but it is unknown as of the time of this writing if the Southern Union release is considered reportable and/or remediated. Plains is not in possession of any information that Southern Union collected sidewall or bottom confirmation samples from their excavation. The proximity of the Southern Union release and excavation necessitated the joining of the Southern Union excavation with the east end of the Plains Red Byrd Historical excavation. During excavation activities by Southern Union, a request was made to and granted by Plains to allow Southern Union to cut-off the existing Plains monitor well MW-6 to a depth of approximately 18' below ground surface (bgs) to allow Southern Union to excavate their release to that depth. The landowner, upon witnessing the Southern Union release area, indicated the he did not believe that the contamination under the Southern Union pipeline was the responsibility of Plains, and stated he would not demand that Plains address the area under the Southern Union right-of-way or just east of the right-of-way. The last set of Plains excavation sample results indicate that the excavation associated with the Red Byrd Historical site does not at this time meet NMOCD requirements for closure of the excavation on the walls or excavation bottom sample with the exception of the east wall. Please refer to Figure 2 for soil sample locations and Table 3 for all soil analytical data.

Soil borings were installed on November 28, 2006 to further the delineation of the Red Byrd Historical release. A total of six borings were placed around the excavation to define the limits of hydrocarbons remaining above NMOCD closure requirements. Please refer to Figure 3 for the locations of soil sample and soil boring locations and Appendix B for the Soil Boring Logs. Samples collected from soil borings SB1-07 at 20 feet, SB2-07 at 10 and 20 feet bgs and SB3-07 at 29 feet contained hydrocarbons above NMOCD regulatory statutes. All other soil samples collected during boring installation did not contain hydrocarbons above regulatory standards.

Groundwater sampling results indicate that a groundwater plume is associated with the Red Byrd Ranch site. Monitor wells MW-6, MW-11, and MW-12 appear likely to be impacted from the historical release (refer to the 2007 Annual Groundwater Report for a comprehensive discussion of groundwater conditions, submitted to the NMOCD in April of 2008). In April 2008, monitor well MW-12 contained approximately 1.75 feet of phase-separated hydrocarbons (PSH) and monitor wells MW-11 and MW-6 contain dissolved phase hydrocarbons at fluctuating levels. Monitor wells MW-18 and MW-5 also contain dissolved phase hydrocarbons but monitor well MW-18 is located 120 feet up-gradient from monitor well MW-12, making an association with

either of the Red Byrd releases unlikely. Monitor well MW-5 is located approximately 270 feet side and up-gradient from monitor well MW-12, also making an association with the Red Byrd Historical release unlikely. Monitor well MW-18 is located immediately west of an active oil well operated by Apache Corporation. It is not likely that monitor wells MW-18 or MW-5 could be affected by the groundwater plume associated with Red Byrd #1 release (the site gradient is consistently south by southeast at the site, please refer to the 2007 Annual Groundwater Report for Red Byrd #1).

SUMMARY

Based upon work conducted during investigation of the Red Byrd #1 release, additional sources of contamination were sought to explain the distribution of dissolved phase hydrocarbons in the groundwater. Data from a total of 18 monitor wells were utilized to examine the distribution of the hydrocarbon plume and to determine its extent. Monitor well MW-18 is located approximately 560 feet up-gradient from the Red Byrd #1 release point, and 120 feet up-gradient of the Red Byrd Historical release point, but is still impacted with dissolved phase hydrocarbons. The presence of 20 plus pipelines, many of great age, abandoned pits to the northwest and south, numerous facility and drilling pads, production wells, a refinery and a chemical plant within one half mile upgradient indicates that there are multiple potential responsible parties contributing to the area groundwater plume. Refer to Figures 4 and 5 for location of off-site potential responsible parties/contributors. As early as August of 1991, Climax Chemical Company petitioned the Hazardous and Radioactive Materials Bureau (HRMB) of the State of New Mexico to declare the groundwater in the area as unusable due to hydrocarbon and other constituent impacts. The letter also states that minimal efforts are required at the Warren Refinery to remediate the groundwater below the refinery. Given the close proximity of the site to the former Warren refinery and the time transpired sine 1991, dissolved phase hydrocarbons may be ubiquitous in the area of the Red Byrd #1 and Red Byrd Historical sites (please see Appendix C for a copy of the August 1991 letter to the HRMB).

Based upon previous remedial activities and confirmation soil sampling, Red Byrd #1 release site is not considered to be a source of contribution to the groundwater plume associated with the Red Byrd Historical site. However, based upon sidewall and bottom hole samples, as well as soil borings and monitor well installation sampling, the soils associated with the Red Byrd Historical release may pose a risk of contributing to the groundwater plume in the vicinity of monitor wells MW-6, MW-11 and MW-12.

ANTICIPATED ACTIONS

To eliminate the potential for hydrocarbons within the soil column migrating to groundwater, the Red Byrd Historical Site will be further excavated until confirmation wall sample results are below a total petroleum hydrocarbon (TPH) content of 100 milligrams per kilogram (mg/kg).

Upon approval of the NMOCD, a poly cap/liner will be installed in the excavation floor and then backfilled with remediated soil from the site. Backfill material will be below 1000 mg/kg TPH above the liner. Preliminary stockpile samples collected from the site indicate that the soil

already meets the 1000 mg/kg TPH criteria. The excavation will be backfilled to match the surrounding topography. The surface will also be revegetated to stabilize the surface soils.

Product recovery will continue in an effort to remove the PSH from monitor well MW-12. These efforts will allow the groundwater in the area of the Red Byrd Historical release to begin to recover. As equilibrium is established in the soils above the groundwater plume associated with the Red Byrd Historical release, a determination will be made as to other potential contributors to the groundwater plume. As the source areas for both leaks have either been removed or removed and isolated from contributing to the groundwater plume, it may be possible to identify specific potential responsible parties in the area, or to make a determination that the groundwater in the area is in general contaminated from the historical use of the area for refining, chemical production, oil production, storage and transport.

Based upon several years of groundwater monitoring data suggesting multiple sources of impact to the soil and groundwater in the area of the Red Byrd #1 and Red Byrd Historical Sites, Plains requests NMOCD concurrence that Plains will not be required to conduct additional groundwater delineation activities at the two sites.

LIMITATIONS

NOVA has prepared this Site Investigation Report 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 consent of NOVA and/or Plains.

DISTRIBUTION

Copy 1
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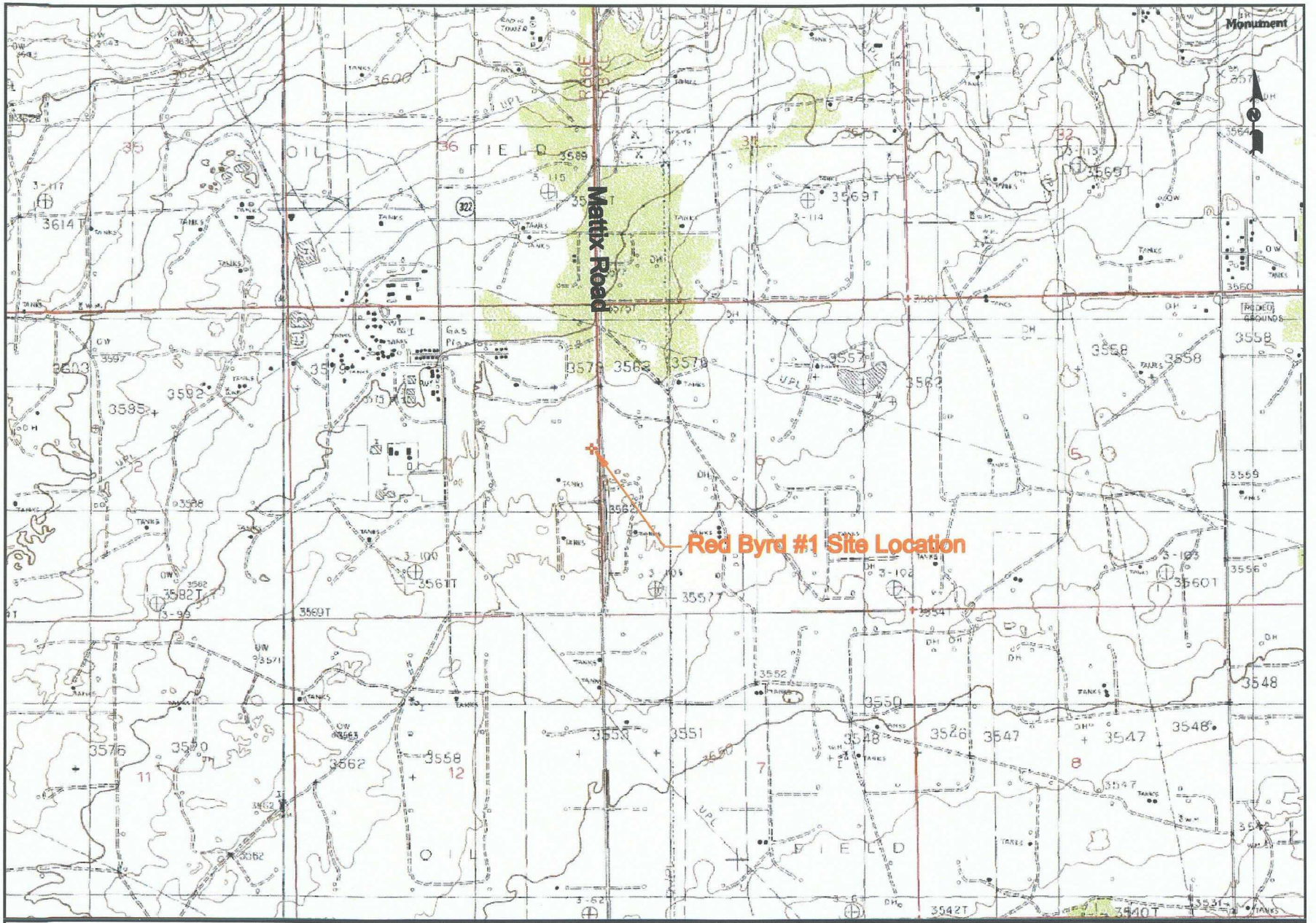
FIGURES

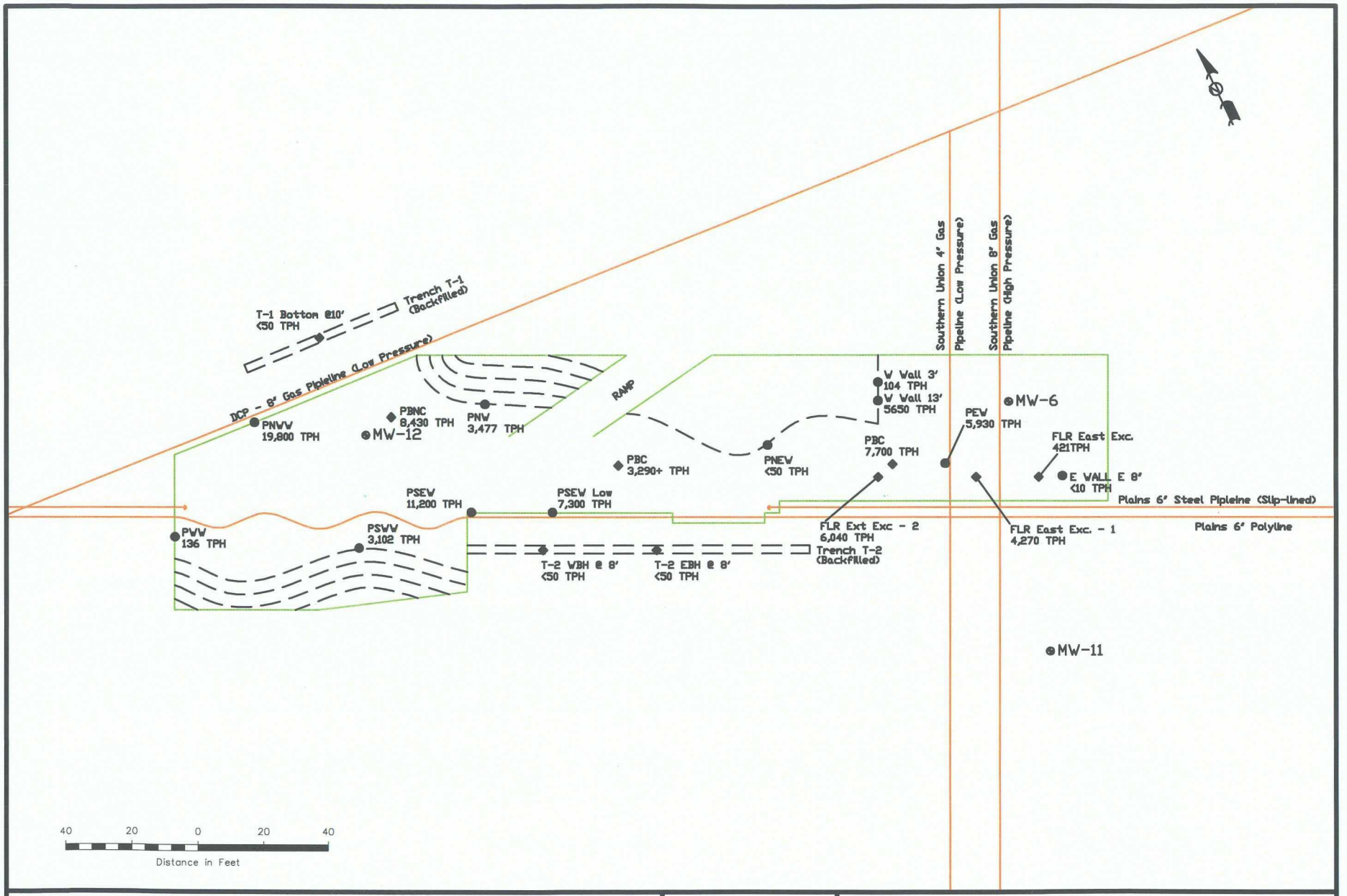


NMOCD Reference #IR-0085

Figure 1
Site Location Map

Pinion Marketing, L.P.
Red Byrd No. 1
Lea County, NM

NOVA Safety and Environmental



LEGEND:

- Monitor Well Location
- Pipelines
- Excavation Extents
- Bench or Previous Extent Inside Excavation
- Excavation Sidewall Sample
- Excavation Floor Sample

Figure 2
Site Map
Plains Marketing, L.P.
Red Byrd Ranch
TNM Historical
Monument, NM

NOVA Safety and Environmenta

NOVA safety and environmental

Scale: 1" = 40'	Prep By: CDS	Checked By: CI
June 14, 2007		

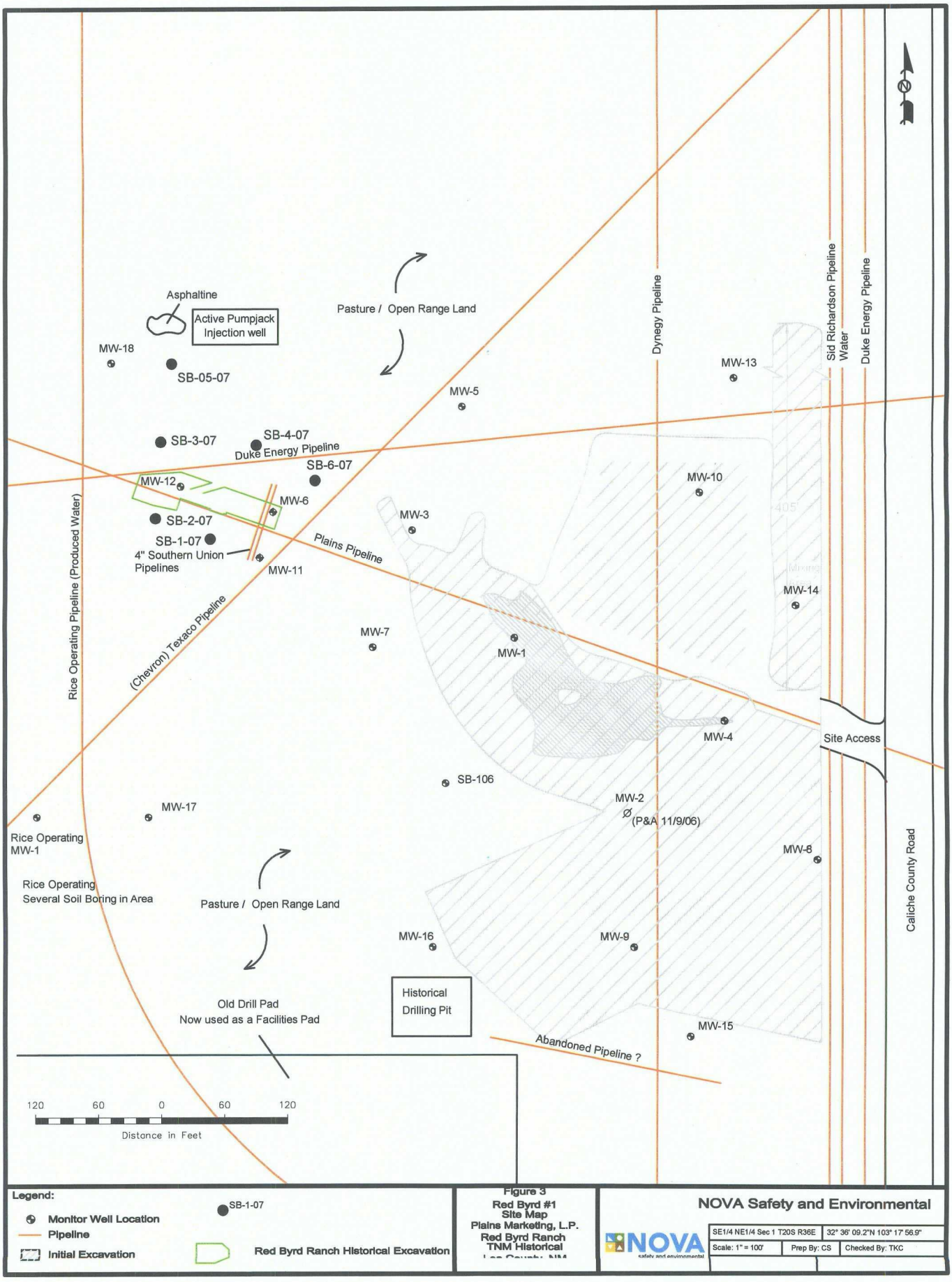
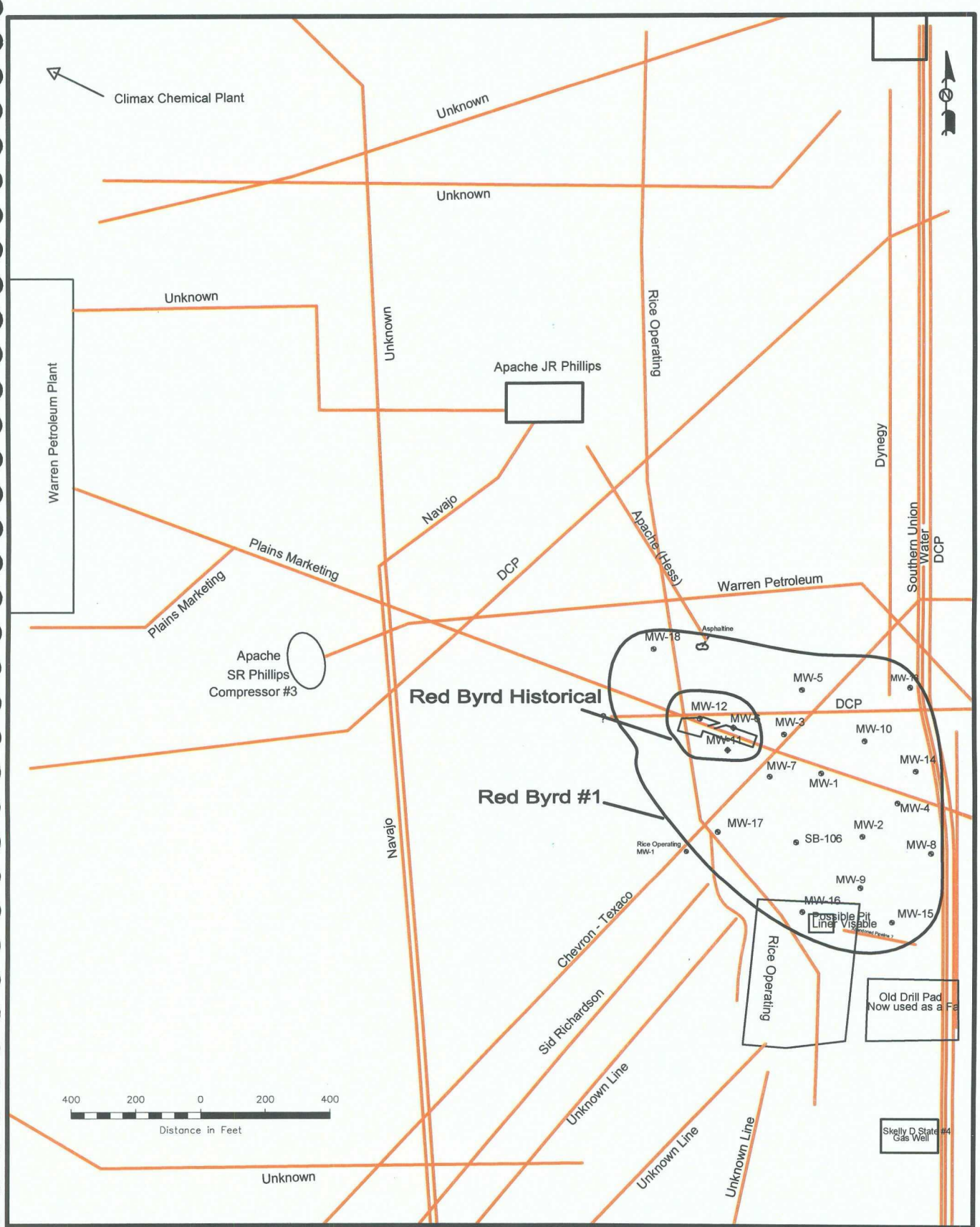


Figure 3
Red Byrd #1
Site Map
Plains Marketing, L.P.
Red Byrd Ranch
TNM Historical

NOVA Safety and Environmental

SE1/4 NE1/4 Sec 1 T20S R36E	32° 36' 09.2"N 103° 17' 56.9"	
Scale: 1" = 100'	Prep By: CS	Checked By: TKC



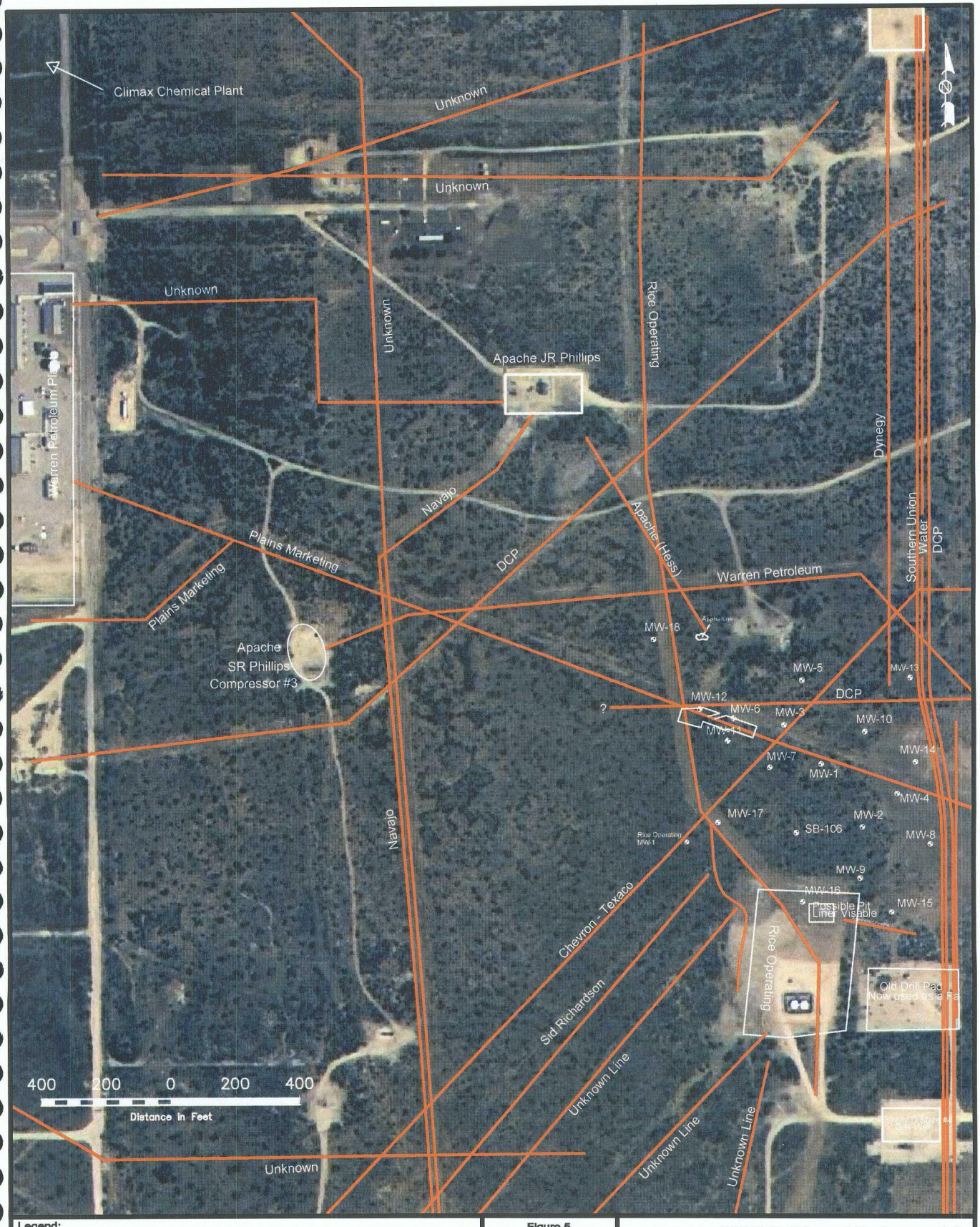
Legend:

- Monitor Well Location

Figure 4
Locations of Potential Contributors
Plains Pipeline, L.P.
Red Byrd No. 1
Lea County, NM

NOVA Safety and Environmental

SE1/4 NE1/4 Sec 1 T20S R36E	32° 36' 09.2"N 103° 17' 56.9"	
Scale: 1" = 100'	Prep By: CS	Checked By: TKC



Legend:

- Monitor Well Location

Figure 5
Photo Locations of Potential Contributors
Plains Pipeline, L.P.
Red Byrd No. 1
Lea County, NM

NOVA Safety and Environmental

SE1/4 NE1/4 Sec 1 T20S R36E	32° 36' 09.2"N 103° 17' 56.9"	
Scale: 1" = 100'	Prep By: CS	Checked By: TKC

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/25/00	3,567.59	-	35.64	0.00	3,531.95
	05/15/00	3,567.59	-	35.72	0.00	3,531.87
	09/14/00	3,567.59	-	35.87	0.00	3,531.72
	12/05/00	3,567.59	-	35.80	0.00	3,531.79
	03/07/01	3,567.59	35.85	35.89	0.04	3,531.73
	05/23/01	3,567.59	35.87	35.90	0.03	3,531.72
	08/06/01	3,567.59	35.90	35.96	0.06	3,531.68
	10/02/01	3,567.59	36.02	36.31	0.29	3,531.53
	02/28/02	3,567.59	35.84	38.07	2.23	3,531.42
	03/18/02	3,567.59	35.88	38.09	2.21	3,531.38
	03/28/02	3,567.59	35.89	38.08	2.19	3,531.37
	04/03/02	3,567.59	35.93	38.03	2.10	3,531.35
	04/12/02	3,567.59	35.92	38.08	2.16	3,531.35
	04/16/02	3,567.59	35.95	38.13	2.18	3,531.31
	05/03/02	3,567.59	35.96	38.11	2.15	3,531.31
	05/10/02	3,567.59	35.94	38.12	2.18	3,531.32
	05/14/02	3,567.59	35.98	38.12	2.14	3,531.29
	05/24/02	3,567.59	36.03	38.20	2.17	3,531.23
	06/10/02	3,567.59	36.08	38.22	2.14	3,531.19
	06/19/02	3,567.59	36.12	38.25	2.13	3,531.15
	07/03/02	3,567.59	36.16	38.25	2.09	3,531.12
	07/11/02	3,567.59	36.17	38.22	2.05	3,531.11
	07/16/02	3,567.59	36.12	38.21	2.09	3,531.16
	08/19/02	3,567.59	36.25	38.31	2.06	3,531.03
	08/27/02	3,567.59	36.21	38.26	2.05	3,531.07
	09/05/02	3,567.59	36.27	38.29	2.02	3,531.02
	10/03/02	3,567.59	36.32	38.34	2.02	3,530.97
	10/08/02	3,567.59	36.34	38.34	2.00	3,530.95
	10/15/02	3,567.59	36.37	38.34	1.97	3,530.92
	11/18/02	3,567.59	36.45	38.39	1.94	3,530.85
	09/08/04	3,567.59	37.12	38.23	1.11	3,530.30
	09/14/04	3,567.59	37.10	38.21	1.11	3,530.32
	09/21/04	3,567.59	37.15	38.20	1.05	3,530.28
	10/07/04	3,567.59	36.47	37.63	1.16	3,530.95
	10/13/04	3,567.59	36.62	37.35	0.73	3,530.86
	10/20/04	3,567.59	36.75	37.16	0.41	3,530.78
	10/27/04	3,567.59	36.84	37.11	0.27	3,530.71
	11/03/04	3,567.59	36.66	36.89	0.23	3,530.90
	11/10/04	3,567.59	36.63	36.77	0.14	3,530.94
	11/18/04	3,567.59	36.50	36.65	0.15	3,531.07
	11/30/04	3,567.59	sheen	36.25	0.00	3,531.34
	12/07/04	3,567.59	sheen	36.11	0.00	3,531.48
	12/15/04	3,567.59	sheen	36.20	0.00	3,531.39
	12/21/04	3,567.59	35.61	35.63	0.02	3,531.98
	12/28/04	3,567.59	sheen	35.60	0.00	3,531.99
	01/04/05	3,567.59	35.41	35.42	0.01	3,532.18
	01/12/05	3,567.59	sheen	35.33	0.00	3,532.26
	01/19/05	3,567.59	sheen	35.25	0.00	3,532.34
	01/26/05	3,567.59	sheen	35.19	0.00	3,532.40

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	02/01/05	3,567.59	sheen	35.16	0.00	3,532.43
	02/09/05	3,567.59	sheen	35.06	0.00	3,532.53
	02/16/05	3,567.59	sheen	34.97	0.00	3,532.62
	02/23/05	3,567.59	sheen	34.90	0.00	3,532.69
	03/02/05	3,567.59	sheen	34.73	0.00	3,532.86
	03/09/05	3,567.59	sheen	34.70	0.00	3,532.89
	03/17/05	3,567.59	sheen	34.67	0.00	3,532.92
	03/18/05	3,567.59	34.50	34.52	0.02	3,533.09
	03/23/05	3,567.59	sheen	34.46	0.00	3,533.13
	03/30/05	3,567.59	sheen	34.37	0.00	3,533.22
	04/06/05	3,567.59	sheen	34.34	0.00	3,533.25
	04/14/05	3,567.59	sheen	34.25	0.00	3,533.34
	05/26/05	3,567.59	sheen	33.76	0.00	3,533.83
	06/16/05	3,567.59	sheen	33.49	0.00	3,534.10
	06/22/05	3,567.59	sheen	33.48	0.00	3,534.11
	07/28/05	3,567.59	sheen	33.16	0.00	3,534.43
	08/11/05	3,567.59	sheen	32.99	0.00	3,534.60
	08/25/05	3,567.59	sheen	32.94	0.00	3,534.65
	09/13/05	3,567.59	sheen	32.82	0.00	3,534.77
	09/16/05	3,567.59	-	32.87	0.00	3,534.72
	09/30/05	3,567.59	32.76	32.77	0.01	3,534.83
	10/11/05	3,567.59	sheen	32.80	0.00	3,534.79
	10/28/05	3,567.59	sheen	32.76	0.00	3,534.83
	11/17/05	3,567.59	sheen	32.69	0.00	3,534.90
	12/02/05	3,567.59	sheen	32.61	0.00	3,534.98
	12/15/05	3,567.59	-	32.65	0.00	3,534.94
	12/30/05	3,567.59	sheen	32.62	0.00	3,534.97
	01/11/06	3,567.59	sheen	32.58	0.00	3,535.01
	01/27/06	3,567.59	sheen	32.65	0.00	3,534.94
	02/09/06	3,567.59	sheen	32.62	0.00	3,534.97
	02/24/06	3,567.59	sheen	32.60	0.00	3,534.99
	03/08/06	3,567.59	sheen	32.58	0.00	3,535.01
	03/17/06	3,567.59	-	32.67	0.00	3,534.92
	03/24/06	3,567.59	sheen	32.63	0.00	3,534.96
	03/31/06	3,567.59	sheen	32.59	0.00	3,535.00
	05/04/06	3,567.59	sheen	32.61	0.00	3,534.98
	06/02/06	3,567.59	sheen	32.71	0.00	3,534.88
	06/13/06	3,567.59	-	32.76	0.00	3,534.83
	06/15/06	3,567.59	sheen	32.75	0.00	3,534.84
	06/29/06	3,567.59	sheen	32.86	0.00	3,534.73
	07/12/06	3,567.59	-	32.89	0.00	3,534.70
	08/09/06	3,567.59	-	34.12	0.00	3,533.47
	09/06/06	3,567.59	-	33.04	0.00	3,534.55
	09/17/06	3,567.59	-	33.01	0.00	3,534.58
	10/03/06	3,567.59	-	33.05	0.00	3,534.54
	10/24/06	3,567.59	-	33.01	0.00	3,534.58
	11/15/06	3,567.59	-	32.94	0.00	3,534.65
	11/16/06	3,567.59	-	32.95	0.00	3,534.64
	02/14/07	3,567.59	-	32.61	0.00	3,534.98

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-1	03/22/07	3,567.59	-	32.61	0.00	3,534.98
	05/11/07	3,567.59	-	32.56	0.00	3,535.03
	07/11/07	3,567.59	-	32.62	0.00	3,534.97
	08/14/07	3,567.59	-	32.64	0.00	3,534.95
	11/01/07	3,567.59	-	32.84	0.00	3,534.75
	02/05/08	3,567.59	-	33.10	0.00	3,534.49
	05/05/08	3,567.59	-	33.35	0.00	3,534.24
MW - 2	02/25/00	3,567.55	-	36.05	0.00	3,531.50
	05/15/00	3,567.55	-	36.12	0.00	3,531.43
	09/14/00	3,567.55	-	36.30	0.00	3,531.25
	12/05/00	3,567.55	-	35.88	0.00	3,531.67
	03/07/01	3,567.55	36.00	37.37	1.37	3,531.34
	05/23/01	3,567.55	35.90	37.44	1.54	3,531.42
	08/06/01	3,567.55	36.20	37.13	0.93	3,531.21
	10/02/01	3,567.55	36.18	36.38	0.20	3,531.34
	02/28/02	3,567.55	36.40	38.01	1.61	3,530.91
	03/18/02	3,567.55	36.44	38.05	1.61	3,530.87
	03/28/02	3,567.55	36.42	38.07	1.65	3,530.88
	04/03/02	3,567.55	36.45	38.06	1.61	3,530.86
	04/12/02	3,567.55	36.47	38.08	1.61	3,530.84
	04/16/02	3,567.55	36.51	38.02	1.51	3,530.81
	05/03/02	3,567.55	36.51	38.12	1.61	3,530.80
	05/10/02	3,567.55	36.50	38.10	1.60	3,530.81
	05/14/02	3,567.55	36.52	38.15	1.63	3,530.79
	05/24/02	3,567.55	36.57	38.20	1.63	3,530.74
	06/10/02	3,567.55	36.61	38.23	1.62	3,530.70
	06/19/02	3,567.55	36.62	38.27	1.65	3,530.68
	07/03/02	3,567.55	36.66	38.30	1.64	3,530.64
	07/11/02	3,567.55	36.67	38.31	1.64	3,530.63
	07/16/02	3,567.55	36.64	38.28	1.64	3,530.66
	08/19/02	3,567.55	36.74	38.38	1.64	3,530.56
	08/27/02	3,567.55	36.71	38.36	1.65	3,530.59
	09/05/02	3,567.55	36.74	38.39	1.65	3,530.56
	10/03/02	3,567.55	36.82	38.45	1.63	3,530.49
	10/08/02	3,567.55	36.83	38.48	1.65	3,530.47
	10/15/02	3,567.55	36.86	38.50	1.64	3,530.44
	11/18/02	3,567.55	36.93	38.56	1.63	3,530.38
	09/08/04	3,567.55	37.59	38.43	0.84	3,529.83
	09/14/04	3,567.55	37.52	38.41	0.89	3,529.90
	09/21/04	3,567.55	37.60	38.20	0.60	3,529.86
	10/07/04	3,567.55	36.67	37.10	0.43	3,530.82
	10/13/04	3,567.55	36.68	36.92	0.24	3,530.83
	10/20/04	3,567.55	36.89	37.19	0.30	3,530.62
	10/27/04	3,567.55	36.95	37.14	0.19	3,530.57
	11/03/04	3,567.55	36.94	37.29	0.35	3,530.56
	11/10/04	3,567.55	36.86	37.10	0.24	3,530.65
	11/18/04	3,567.55	36.85	37.18	0.33	3,530.65
	11/30/04	3,567.55	36.19	36.41	0.22	3,531.33

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	12/07/04	3,567.55	36.25	36.40	0.15	3,531.28
	12/15/04	3,567.55	36.36	36.44	0.08	3,531.18
MW-2	*12/21/04*	3,567.55	36.10	36.15	0.05	3,531.44
	12/28/04	3,567.55	35.99	36.04	0.05	3,531.55
	01/04/05	3,567.55	35.81	35.82	0.01	3,531.74
	01/12/05	3,567.55	sheen	35.74	0.00	3,531.81
	01/19/05	3,567.55	sheen	35.68	0.00	3,531.87
	01/26/05	3,567.55	sheen	35.59	0.00	3,531.96
	02/01/05	3,567.55	sheen	35.61	0.00	3,531.94
	02/09/05	3,567.55	sheen	35.47	0.00	3,532.08
	02/16/05	3,567.55	sheen	35.39	0.00	3,532.16
	02/23/05	3,567.55	sheen	35.29	0.00	3,532.26
	03/02/05	3,567.55	sheen	35.18	0.00	3,532.37
	03/09/05	3,567.55	sheen	35.16	0.00	3,532.39
	03/17/05	3,567.55	sheen	35.15	0.00	3,532.40
	03/18/05	3,567.55	-	35.05	0.00	3,532.50
	03/23/05	3,567.55	sheen	34.96	0.00	3,532.59
	03/30/05	3,567.55	sheen	34.90	0.00	3,532.65
	04/06/05	3,567.55	sheen	34.88	0.00	3,532.67
	04/14/05	3,567.55	sheen	34.75	0.00	3,532.80
	05/26/05	3,567.55	sheen	34.28	0.00	3,533.27
	06/16/05	3,567.55	sheen	34.06	0.00	3,533.49
	06/22/05	3,567.55	sheen	34.00	0.00	3,533.55
	07/28/05	3,567.55	sheen	33.73	0.00	3,533.82
	08/11/05	3,567.55	sheen	33.59	0.00	3,533.96
	08/25/05	3,567.55	sheen	33.53	0.00	3,534.02
	09/13/05	3,567.55	sheen	33.42	0.00	3,534.13
	09/16/05	3,567.55	sheen	33.42	0.00	3,534.13
	09/30/05	3,567.55	-	33.35	0.00	3,534.20
	10/11/05	3,567.55	sheen	33.37	0.00	3,534.18
	10/28/05	3,567.55	sheen	33.32	0.00	3,534.23
	11/17/05	3,567.55	sheen	33.28	0.00	3,534.27
	12/02/05	3,567.55	sheen	33.21	0.00	3,534.34
	12/15/05	3,567.55	-	33.23	0.00	3,534.32
	12/30/05	3,567.55	sheen	33.18	0.00	3,534.37
	01/11/06	3,567.55	sheen	33.10	0.00	3,534.45
	01/27/06	3,567.55	sheen	33.22	0.00	3,534.33
	02/09/06	3,567.55	sheen	33.17	0.00	3,534.38
	02/24/06	3,567.55	sheen	33.19	0.00	3,534.36
	03/08/06	3,567.55	sheen	33.15	0.00	3,534.40
	03/17/06	3,567.55	-	33.19	0.00	3,534.36
	03/24/06	3,567.55	sheen	33.15	0.00	3,534.40
	03/31/06	3,567.55	sheen	33.06	0.00	3,534.49
	05/04/06	3,567.55	sheen	33.19	0.00	3,534.36
	06/02/06	3,567.55	sheen	33.28	0.00	3,534.27
	06/13/06	3,567.55	-	33.33	0.00	3,534.22
	06/15/06	3,567.55	sheen	33.28	0.00	3,534.27
	06/29/06	3,567.55	sheen	33.39	0.00	3,534.16
	07/12/06	3,567.55	Well Obstructed			

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	07/26/06	3,567.55	Well Obstructed			
	08/09/06	3,567.55	Well Obstructed			
MW-2	*09/06/06*	3,567.55	Well Obstructed			
	09/17/06	3,567.55	-	33.55	0.00	3,534.00
	10/03/06	3,567.55	-	33.59	0.00	3,533.96
	10/24/06	3,567.55	-	33.56	0.00	3,533.99
	11/09/06	Plugged and Abandoned				
MW - 3	02/25/00	3,567.55	-	35.27	0.00	3,532.28
	05/15/00	3,567.55	35.34	35.44	0.10	3,532.20
	09/14/00	3,567.55	34.99	37.20	2.21	3,532.23
	12/05/00	3,567.55	34.94	37.38	2.44	3,532.24
	03/07/01	3,567.55	35.25	36.42	1.17	3,532.12
	05/23/01	3,567.55	35.22	36.46	1.24	3,532.14
	08/03/01	3,567.55	35.14	37.20	2.06	3,532.10
	10/02/01	3,567.55	35.28	37.14	1.86	3,531.99
	02/28/02	3,567.55	35.44	37.65	2.21	3,531.78
	03/18/02	3,567.55	35.88	38.09	2.21	3,531.34
	03/28/02	3,567.55	35.53	37.60	2.07	3,531.71
	04/03/02	3,567.55	35.56	37.49	1.93	3,531.70
	04/12/02	3,567.55	35.57	37.64	2.07	3,531.67
	04/16/02	3,567.55	35.55	37.71	2.16	3,531.68
	05/03/02	3,567.55	35.57	37.73	2.16	3,531.66
	05/10/02	3,567.55	35.56	37.73	2.17	3,531.66
	05/14/02	3,567.55	35.60	37.75	2.15	3,531.63
	05/24/02	3,567.55	35.65	37.81	2.16	3,531.58
	06/10/02	3,567.55	35.68	37.74	2.06	3,531.56
	06/19/02	3,567.55	35.72	37.86	2.14	3,531.51
	07/03/02	3,567.55	35.75	37.89	2.14	3,531.48
	07/11/02	3,567.55	35.77	37.89	2.12	3,531.46
	07/16/02	3,567.55	35.74	37.85	2.11	3,531.49
	08/19/02	3,567.55	35.81	37.91	2.10	3,531.43
	08/27/02	3,567.55	35.82	37.91	2.09	3,531.42
	09/05/02	3,567.55	35.87	37.91	2.04	3,531.37
	10/03/02	3,567.55	35.93	38.01	2.08	3,531.31
	10/08/02	3,567.55	35.94	38.01	2.07	3,531.30
	10/15/02	3,567.55	35.99	37.98	1.99	3,531.26
	11/18/02	3,567.55	36.05	38.08	2.03	3,531.20
	09/08/04	3,567.55	36.70	38.15	1.45	3,530.63
	09/14/04	3,567.55	36.70	38.05	1.35	3,530.65
	09/21/04	3,567.55	37.05	37.33	0.28	3,530.46
	10/07/04	3,567.55	36.55	36.97	0.42	3,530.94
	10/13/04	3,567.55	36.51	36.70	0.19	3,531.01
	10/20/04	3,567.55	36.43	36.64	0.21	3,531.09
	10/27/04	3,567.55	36.47	36.60	0.13	3,531.06
	11/03/04	3,567.55	36.41	36.51	0.10	3,531.13
	11/10/04	3,567.55	sheen	36.31	0.00	3,531.24
	11/18/04	3,567.55	sheen	36.25	0.00	3,531.30
	11/30/04	3,567.55	sheen	35.87	0.00	3,531.68

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	12/07/04	3,567.55	sheen	35.78	0.00	3,531.77
	12/15/04	3,567.55	sheen	35.83	0.00	3,531.72
MW-3	*12/21/04*	3,567.55	sheen	35.33	0.00	3,532.22
	12/28/04	3,567.55	sheen	35.23	0.00	3,532.32
	01/04/05	3,567.55	35.06	35.07	0.01	3,532.49
	01/12/05	3,567.55	sheen	35.00	0.00	3,532.55
	01/19/05	3,567.55	sheen	34.88	0.00	3,532.67
	01/26/05	3,567.55	sheen	34.79	0.00	3,532.76
	02/01/05	3,567.55	sheen	34.75	0.00	3,532.80
	02/09/05	3,567.55	sheen	34.61	0.00	3,532.94
	02/16/05	3,567.55	sheen	34.51	0.00	3,533.04
	02/23/05	3,567.55	sheen	34.40	0.00	3,533.15
	03/02/05	3,567.55	sheen	34.34	0.00	3,533.21
	03/09/05	3,567.55	sheen	34.31	0.00	3,533.24
	03/17/05	3,567.55	sheen	34.28	0.00	3,533.27
	03/18/05	3,567.55	-	34.20	0.00	3,533.35
	03/23/05	3,567.55	sheen	34.12	0.00	3,533.43
	03/30/05	3,567.55	sheen	33.98	0.00	3,533.57
	04/06/05	3,567.55	sheen	33.97	0.00	3,533.58
	04/14/05	3,567.55	sheen	34.80	0.00	3,532.75
	05/26/05	3,567.55	sheen	33.31	0.00	3,534.24
	06/16/05	3,567.55	sheen	33.10	0.00	3,534.45
	06/22/05	3,567.55	sheen	33.09	0.00	3,534.46
	07/28/05	3,567.55	sheen	32.79	0.00	3,534.76
	08/11/05	3,567.55	sheen	32.61	0.00	3,534.94
	08/25/05	3,567.55	sheen	32.58	0.00	3,534.97
	09/13/05	3,567.55	sheen	32.44	0.00	3,535.11
	09/16/05	3,567.55	sheen	32.49	0.00	3,535.06
	09/30/05	3,567.55	-	32.40	0.00	3,535.15
	10/11/05	3,567.55	sheen	32.41	0.00	3,535.14
	10/28/05	3,567.55	sheen	32.38	0.00	3,535.17
	11/17/05	3,567.55	sheen	32.32	0.00	3,535.23
	12/02/05	3,567.55	sheen	32.28	0.00	3,535.27
	12/15/05	3,567.55	33.28	33.29	0.01	3,534.27
	12/30/05	3,567.55	sheen	32.24	0.00	3,535.31
	01/11/06	3,567.55	sheen	32.18	0.00	3,535.37
	01/27/06	3,567.55	sheen	32.29	0.00	3,535.26
	02/09/06	3,567.55	sheen	32.26	0.00	3,535.29
	02/24/06	3,567.55	sheen	32.24	0.00	3,535.31
	03/08/06	3,567.55	sheen	32.20	0.00	3,535.35
	03/17/06	3,567.55	32.25	32.26	0.01	3,535.30
	03/24/06	3,567.55	sheen	32.23	0.00	3,535.32
	03/31/06	3,567.55	sheen	32.24	0.00	3,535.31
	05/04/06	3,567.55	sheen	32.26	0.00	3,535.29
	06/02/06	3,567.55	sheen	32.37	0.00	3,535.18
	06/13/06	3,567.55	-	32.41	0.00	3,535.14
	06/15/06	3,567.55	sheen	32.39	0.00	3,535.16
	06/29/06	3,567.55	sheen	32.50	0.00	3,535.05
	07/12/06	3,567.55	sheen	32.55	0.00	3,535.00

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	08/09/06	3,567.55	-	32.71	0.00	3,534.84
	09/06/06	3,567.55	-	32.74	0.00	3,534.81
MW-3	09/17/06	3,567.55	-	32.76	0.00	3,534.79
	10/03/06	3,567.55	-	32.80	0.00	3,534.75
	10/24/06	3,567.55	-	33.71	0.00	3,533.84
	11/15/06	3,567.55	-	31.99	0.00	3,535.56
	11/16/06	3,567.55	-	32.61	0.00	3,534.94
	02/14/07	3,567.55	sheen	32.30	0.00	3,535.25
	03/22/07	3,567.55	-	32.30	0.00	3,535.25
	05/11/07	3,567.55	-	32.31	0.00	3,535.24
	07/11/07	3,567.55	-	32.34	0.00	3,535.21
	08/14/07	3,567.55	-	32.37	0.00	3,535.18
	11/01/07	3,567.55	-	32.59	0.00	3,534.96
	02/05/08	3,567.55	-	32.85	0.00	3,534.70
	05/05/08	3,567.55	-	33.06	0.00	3,534.49
MW - 4	02/25/00	3,567.80	-	36.22	0.00	3,531.58
	05/15/00	3,567.80	-	36.34	0.00	3,531.46
	09/14/00	3,567.80	-	36.50	0.00	3,531.30
	12/05/00	3,567.80	-	36.51	0.00	3,531.29
	03/07/01	3,567.80	36.47	36.51	0.04	3,531.32
	05/23/01	3,567.80	36.51	36.55	0.04	3,531.28
	08/06/01	3,567.80	36.06	36.42	0.36	3,531.69
	10/02/01	3,567.80	36.50	37.54	1.04	3,531.14
	02/28/02	3,567.80	36.75	37.68	0.93	3,530.91
	03/18/02	3,567.80	36.80	37.77	0.97	3,530.85
	03/28/02	3,567.80	36.97	37.30	0.33	3,530.78
	04/03/02	3,567.80	36.97	37.23	0.26	3,530.79
	04/12/02	3,567.80	36.98	37.27	0.29	3,530.78
	04/16/02	3,567.80	36.99	37.30	0.31	3,530.76
	05/03/02	3,567.80	36.77	38.11	1.34	3,530.83
	05/10/02	3,567.80	36.94	38.33	1.39	3,530.65
	05/14/02	3,567.80	36.73	38.33	1.60	3,530.83
	05/24/02	3,567.80	36.78	38.36	1.58	3,530.78
	06/10/02	3,567.80	36.82	38.41	1.59	3,530.74
	06/19/02	3,567.80	36.84	38.43	1.59	3,530.72
	07/03/02	3,567.80	36.88	38.45	1.57	3,530.68
	07/11/02	3,567.80	36.89	38.48	1.59	3,530.67
	07/16/02	3,567.80	36.85	38.44	1.59	3,530.71
	08/19/02	3,567.80	36.93	38.51	1.58	3,530.63
	08/27/02	3,567.80	36.94	38.51	1.57	3,530.62
	09/05/02	3,567.80	36.97	38.54	1.57	3,530.59
	10/03/02	3,567.80	37.04	38.60	1.56	3,530.53
	10/08/02	3,567.80	37.06	38.61	1.55	3,530.51
	10/15/02	3,567.80	37.08	38.64	1.56	3,530.49
	11/18/02	3,567.80	37.17	38.70	1.53	3,530.40
	09/08/04	3,567.80	37.82	38.30	0.48	3,529.91
	09/14/04	3,567.80	37.81	38.30	0.49	3,529.92
	09/21/04	3,567.80	37.95	38.30	0.35	3,529.80

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	10/07/04	3,567.80	32.25	32.27	0.02	3,535.55
	10/13/04	3,567.80	35.90	35.92	0.02	3,531.90
	10/20/04	3,567.80	37.04	37.28	0.24	3,530.72
	10/27/04	3,567.80	37.10	37.21	0.11	3,530.68
MW-4	11/03/04	3,567.80	sheen	37.30	0.00	3,530.50
	11/10/04	3,567.80	sheen	37.16	0.00	3,530.64
	11/18/04	3,567.80	sheen	37.10	0.00	3,530.70
	11/30/04	3,567.80	sheen	35.42	0.00	3,532.38
	12/07/04	3,567.80	sheen	35.39	0.00	3,532.41
	12/15/04	3,567.80	sheen	34.45	0.00	3,533.35
	12/21/04	3,567.80	36.16	36.18	0.02	3,531.64
	12/28/04	3,567.80	sheen	36.10	0.00	3,531.70
	01/04/05	3,567.80	sheen	35.94	0.00	3,531.86
	01/12/05	3,567.80	sheen	35.89	0.00	3,531.91
	01/19/05	3,567.80	sheen	35.80	0.00	3,532.00
	01/26/05	3,567.80	sheen	35.67	0.00	3,532.13
	02/01/05	3,567.80	sheen	35.62	0.00	3,532.18
	02/09/05	3,567.80	sheen	35.55	0.00	3,532.25
	02/16/05	3,567.80	sheen	35.48	0.00	3,532.32
	02/23/05	3,567.80	sheen	35.36	0.00	3,532.44
	03/02/05	3,567.80	sheen	35.28	0.00	3,532.52
	03/09/05	3,567.80	sheen	35.26	0.00	3,532.54
	03/17/05	3,567.80	sheen	35.26	0.00	3,532.54
	03/18/05	3,567.80	-	35.15	0.00	3,532.65
	03/23/05	3,567.80	sheen	35.04	0.00	3,532.76
	03/30/05	3,567.80	sheen	35.01	0.00	3,532.79
	04/06/05	3,567.80	sheen	34.98	0.00	3,532.82
	04/14/05	3,567.80	sheen	34.85	0.00	3,532.95
	05/26/05	3,567.80	sheen	34.29	0.00	3,533.51
	06/16/05	3,567.80	sheen	34.15	0.00	3,533.65
	06/22/05	3,567.80	sheen	34.07	0.00	3,533.73
	07/28/05	3,567.80	sheen	33.82	0.00	3,533.98
	08/11/05	3,567.80	sheen	33.66	0.00	3,534.14
	08/25/05	3,567.80	sheen	33.43	0.00	3,534.37
	09/13/05	3,567.80	sheen	33.32	0.00	3,534.48
	09/16/05	3,567.80	sheen	33.33	0.00	3,534.47
	09/30/05	3,567.80	-	33.25	0.00	3,534.55
	10/11/05	3,567.80	sheen	33.28	0.00	3,534.52
	10/28/05	3,567.80	sheen	33.22	0.00	3,534.58
	11/17/05	3,567.80	sheen	33.18	0.00	3,534.62
	12/02/05	3,567.80	-	33.10	0.00	3,534.70
	12/15/05	3,567.80	-	33.13	0.00	3,534.67
	12/30/05	3,567.80	sheen	33.08	0.00	3,534.72
	01/11/06	3,567.80	sheen	33.01	0.00	3,534.79
	01/27/06	3,567.80	sheen	33.13	0.00	3,534.67
	02/09/06	3,567.80	sheen	33.08	0.00	3,534.72
	02/24/06	3,567.80	sheen	33.10	0.00	3,534.70
	03/08/06	3,567.80	sheen	33.05	0.00	3,534.75
	03/17/06	3,567.80	-	33.12	0.00	3,534.68

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	03/24/06	3,567.80	sheen	33.09	0.00	3,534.71
	03/31/06	3,567.80	sheen	33.07	0.00	3,534.73
	05/04/06	3,567.80	sheen	33.10	0.00	3,534.70
	06/02/06	3,567.80	sheen	33.19	0.00	3,534.61
MW-4	*06/13/06*	3,567.80	-	33.25	0.00	3,534.55
	06/15/06	3,567.80	sheen	33.22	0.00	3,534.58
	06/29/06	3,567.80	sheen	33.33	0.00	3,534.47
	07/12/06	3,567.80	-	33.35	0.00	3,534.45
	08/09/06	3,567.80	-	33.58	0.00	3,534.22
	09/06/06	3,567.80	-	33.51	0.00	3,534.29
	09/17/06	3,567.80	-	33.52	0.00	3,534.28
	10/03/06	3,567.80	-	33.55	0.00	3,534.25
	10/24/06	3,567.80	-	34.40	0.00	3,533.40
	11/15/06	3,567.80	-	33.42	0.00	3,534.38
	11/16/06	3,567.80	-	33.32	0.00	3,534.48
	02/14/07	3,567.80	-	33.05	0.00	3,534.75
	05/11/07	3,567.80	-	33.06	0.00	3,534.74
	08/14/07	3,567.80	-	33.05	0.00	3,534.75
	11/01/07	3,567.80	-	33.27	0.00	3,534.53
	02/05/08	3,567.80	-	33.60	0.00	3,534.20
	05/05/08	3,567.80	-	33.80	0.00	3,534.00
MW-5	02/25/00	3,569.50	-	37.24	0.00	3,532.26
	05/15/00	3,569.50	36.82	37.96	1.14	3,532.51
	09/14/00	3,569.50	36.81	38.50	1.69	3,532.44
	12/05/00	3,569.50	36.85	38.44	1.59	3,532.41
	03/07/01	3,569.50	37.10	37.57	0.47	3,532.33
	05/23/01	3,569.50	37.07	37.55	0.48	3,532.36
	08/06/01	3,569.50	37.10	37.18	0.08	3,532.39
	10/02/01	3,569.50	37.18	38.15	0.97	3,532.17
	02/28/02	3,569.50	37.35	38.00	0.65	3,532.05
	03/18/02	3,569.50	37.39	38.84	1.45	3,531.89
	03/28/02	3,569.50	37.54	38.47	0.93	3,531.82
	04/03/02	3,569.50	37.61	38.24	0.63	3,531.80
	04/12/02	3,569.50	37.63	38.27	0.64	3,531.77
	04/16/02	3,569.50	37.63	38.32	0.69	3,531.77
	05/03/02	3,569.50	37.67	38.28	0.61	3,531.74
	05/10/02	3,569.50	37.66	38.28	0.62	3,531.75
	05/14/02	3,569.50	37.71	38.28	0.57	3,531.70
	05/24/02	3,569.50	37.73	38.37	0.64	3,531.67
	06/10/02	3,569.50	37.73	38.52	0.79	3,531.65
	06/19/02	3,569.50	37.76	38.60	0.84	3,531.61
	07/03/02	3,569.50	37.77	38.71	0.94	3,531.59
	07/11/02	3,569.50	37.78	38.74	0.96	3,531.58
	07/16/02	3,569.50	37.75	38.71	0.96	3,531.61
	08/19/02	3,569.50	37.85	38.70	0.85	3,531.52
	08/27/02	3,569.50	37.84	38.75	0.91	3,531.52
	09/05/02	3,569.50	38.00	38.34	0.34	3,531.45
	10/03/02	3,569.50	38.05	38.42	0.37	3,531.39

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	10/08/02	3,569.50	38.07	38.46	0.39	3,531.37
	10/15/02	3,569.50	38.09	38.49	0.40	3,531.35
	11/18/02	3,569.50	38.18	38.51	0.33	3,531.27
	09/08/04	3,569.50	38.61	39.15	0.54	3,530.81
	09/14/04	3,569.50	38.62	39.15	0.53	3,530.80
	09/21/04	3,569.50	38.78	39.06	0.28	3,530.68
MW-5	10/07/04	3,569.50	38.59	38.93	0.34	3,530.86
	10/13/04	3,569.50	38.52	38.58	0.06	3,530.97
	10/20/04	3,569.50	38.42	38.49	0.07	3,531.07
	10/27/04	3,569.50	38.52	38.55	0.03	3,530.98
	11/03/04	3,569.50	sheen	38.34	0.00	3,531.16
	11/10/04	3,569.50	sheen	38.16	0.00	3,531.34
	11/18/04	3,569.50	sheen	38.09	0.00	3,531.41
	11/30/04	3,569.50	sheen	37.74	0.00	3,531.76
	12/07/04	3,569.50	sheen	37.65	0.00	3,531.85
	12/15/04	3,569.50	sheen	37.69	0.00	3,531.81
	12/21/04	3,569.50	37.11	37.12	0.01	3,532.39
	12/28/04	3,569.50	sheen	37.02	0.00	3,532.48
	01/04/05	3,569.50	sheen	36.80	0.00	3,532.70
	01/12/05	3,569.50	sheen	36.75	0.00	3,532.75
	01/19/05	3,569.50	sheen	36.58	0.00	3,532.92
	01/26/05	3,569.50	sheen	36.46	0.00	3,533.04
	02/01/05	3,569.50	sheen	36.36	0.00	3,533.14
	02/09/05	3,569.50	sheen	36.27	0.00	3,533.23
	02/16/05	3,569.50	sheen	36.19	0.00	3,533.31
	02/23/05	3,569.50	sheen	36.14	0.00	3,533.36
	03/02/05	3,569.50	sheen	35.95	0.00	3,533.55
	03/09/05	3,569.50	sheen	35.93	0.00	3,533.57
	03/17/05	3,569.50	sheen	35.91	0.00	3,533.59
	03/18/05	3,569.50	35.69	35.70	0.01	3,533.81
	03/23/05	3,569.50	sheen	35.79	0.00	3,533.71
	03/30/05	3,569.50	sheen	35.54	0.00	3,533.96
	04/06/05	3,569.50	sheen	35.51	0.00	3,533.99
	04/14/05	3,569.50	sheen	35.44	0.00	3,534.06
	05/26/05	3,569.50	sheen	34.85	0.00	3,534.65
	06/16/05	3,569.50	sheen	34.65	0.00	3,534.85
	06/22/05	3,569.50	sheen	34.71	0.00	3,534.79
	07/28/05	3,569.50	sheen	34.37	0.00	3,535.13
	08/11/05	3,569.50	sheen	34.02	0.00	3,535.48
	08/25/05	3,569.50	sheen	34.14	0.00	3,535.36
	09/13/05	3,569.50	sheen	33.82	0.00	3,535.68
	09/16/05	3,569.50	sheen	33.92	0.00	3,535.58
	09/30/05	3,569.50	33.82	33.83	0.01	3,535.68
	10/11/05	3,569.50	sheen	34.01	0.00	3,535.49
	10/28/05	3,569.50	sheen	33.95	0.00	3,535.55
	11/17/05	3,569.50	sheen	33.78	0.00	3,535.72
	12/02/05	3,569.50	sheen	33.72	0.00	3,535.78
	12/15/05	3,569.50	-	33.74	0.00	3,535.76
	12/30/05	3,569.50	sheen	33.69	0.00	3,535.81

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	01/11/06	3,569.50	sheen	33.61	0.00	3,535.89
	01/27/06	3,569.50	sheen	33.74	0.00	3,535.76
	02/09/06	3,569.50	sheen	33.70	0.00	3,535.80
	02/24/06	3,569.50	sheen	33.70	0.00	3,535.80
	03/08/06	3,569.50	sheen	33.66	0.00	3,535.84
	03/17/06	3,569.50	33.73	33.74	0.01	3,535.77
MW-5	03/24/06	3,569.50	sheen	33.71	0.00	3,535.79
	03/31/06	3,569.50	sheen	33.69	0.00	3,535.81
	05/04/06	3,569.50	sheen	33.74	0.00	3,535.76
	06/02/06	3,569.50	sheen	33.84	0.00	3,535.66
	06/13/06	3,569.50	-	33.91	0.00	3,535.59
	06/15/06	3,569.50	sheen	33.86	0.00	3,535.64
	06/29/06	3,569.50	sheen	33.98	0.00	3,535.52
	07/12/06	3,569.50	-	34.02	0.00	3,535.48
	08/09/06	3,569.50	-	33.87	0.00	3,535.63
	09/06/06	3,569.50	-	35.31	0.00	3,534.19
	09/17/06	3,569.50	-	35.30	0.00	3,534.20
	10/03/06	3,569.50	-	35.33	0.00	3,534.17
	10/24/06	3,569.50	-	35.76	0.00	3,533.74
	11/15/06	3,569.50	-	34.20	0.00	3,535.30
	11/16/06	3,569.50	-	34.04	0.00	3,535.46
	02/14/07	3,569.50	-	33.76	0.00	3,535.74
	03/22/07	3,569.50	-	33.77	0.00	3,535.73
	05/11/07	3,569.50	-	33.74	0.00	3,535.76
	08/14/07	3,569.50	-	33.83	0.00	3,535.67
	11/01/07	3,569.50	-	34.09	0.00	3,535.41
	02/05/08	3,569.50	-	34.34	0.00	3,535.16
	05/05/08	3,569.50	-	34.61	0.00	3,534.89
MW - 6	02/25/00	3,569.09	-	36.50	0.00	3,532.59
	05/15/00	3,569.09	-	36.58	0.00	3,532.51
	09/14/00	3,569.09	-	36.75	0.00	3,532.34
	12/05/00	3,569.09	-	36.76	0.00	3,532.33
	03/07/01	3,569.09	-	36.65	0.00	3,532.44
	05/23/01	3,569.09	-	36.62	0.00	3,532.47
	08/06/01	3,569.09	-	36.73	0.00	3,532.36
	10/02/01	3,569.09	-	36.82	0.00	3,532.27
	02/28/02	3,569.09	-	37.12	0.00	3,531.97
	05/14/02	3,569.09	-	37.33	0.00	3,531.76
	08/19/02	3,569.09	-	37.52	0.00	3,531.57
	10/23/02	3,569.09	-	37.67	0.00	3,531.42
	11/18/02	3,569.09	-	37.64	0.00	3,531.45
	09/08/04	3,569.09	-	38.30	0.00	3,530.79
	12/21/04	3,569.09	-	36.64	0.00	3,532.45
	03/18/05	3,569.09	-	35.37	0.00	3,533.72
	06/16/05	3,569.09	-	34.41	0.00	3,534.68
	09/16/05	3,569.09	sheen	33.90	0.00	3,535.19
	12/15/05	3,569.09	-	33.70	0.00	3,535.39
	03/17/06	3,569.09	-	33.62	0.00	3,535.47

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	06/13/06	3,569.09	-	33.86	0.00	3,535.23
	08/09/06	3,569.09	-	34.10	0.00	3,534.99
	09/06/06	3,569.09	-	34.14	0.00	3,534.95
	09/17/06	3,569.09	-	34.17	0.00	3,534.92
	10/03/06	3,569.09	-	34.20	0.00	3,534.89
	10/24/06	3,569.09	-	34.09	0.00	3,535.00
	11/15/06	3,569.09	-	34.05	0.00	3,535.04
	02/14/07	3,569.09	-	33.86	0.00	3,535.23
MW - 6	*05/11/07*	3,569.09	-	33.72	0.00	3,535.37
	08/14/07	3,569.09	-	not sampled		
	11/01/07	Excavated around and cut down MW-6			0.00	3,569.09
	02/05/08	3,569.09	-	19.79	0.00	3,549.30
	05/05/08	3,569.09	-	20.06	0.00	3,549.03
MW - 7	02/25/00	3,567.53	-	35.29	0.00	3,532.24
	05/15/00	3,567.53	-	35.37	0.00	3,532.16
	09/14/00	3,567.53	-	35.55	0.00	3,531.98
	12/05/00	3,567.53	-	35.55	0.00	3,531.98
	03/07/01	3,567.53	-	35.45	0.00	3,532.08
	05/23/01	3,567.53	-	35.43	0.00	3,532.10
	08/06/01	3,567.53	-	35.59	0.00	3,531.94
	10/02/01	3,567.53	-	35.62	0.00	3,531.91
	02/28/02	3,567.53	-	35.95	0.00	3,531.58
	05/14/02	3,567.53	-	36.02	0.00	3,531.51
	08/19/02	3,567.53	-	36.21	0.00	3,531.32
	10/23/02	3,567.53	-	36.44	0.00	3,531.09
	11/18/02	3,567.53	-	36.42	0.00	3,531.11
	09/08/04	3,567.53	-	37.05	0.00	3530.48
	12/21/04	3,567.53	-	35.40	0.00	3532.13
	03/18/05	3,567.53	-	34.23	0.00	3533.3
	06/16/05	3,567.53	-	33.26	0.00	3534.27
	09/16/05	3,567.53	-	32.73	0.00	3534.8
	12/15/05	3,567.53	-	32.57	0.00	3534.96
	03/17/06	3,567.53	-	32.51	0.00	3535.02
	06/13/06	3,567.53	-	33.69	0.00	3533.84
	09/06/06	3,567.53	-	32.97	0.00	3534.56
	10/24/06	3,567.53	-	32.91	0.00	3534.62
	11/15/06	3,567.53	-	32.87	0.00	3534.66
	02/14/07	3,567.53	-	32.61	0.00	3534.92
	05/11/07	3,567.53	-	32.56	0.00	3534.97
	08/14/07	3,567.53	-	32.66	0.00	3534.87
	11/01/07	3,567.53	-	32.87	0.00	3534.66
	02/04/08	3,567.53	-	33.09	0.00	3534.44
	05/05/08	3,567.53	-	33.31	0.00	3534.22
MW-8	11/09/04	3,567.79	-	37.42	0.00	3,530.37
	11/11/04	3,567.79	-	37.40	0.00	3,530.39
	03/18/05	3,567.79	-	35.35	0.00	3,532.44
	06/16/05	3,567.79	sheen	34.32	0.00	3,533.47

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	08/11/05	3,567.79	sheen	33.84	0.00	3,533.95
	09/13/05	3,567.79	sheen	33.70	0.00	3,534.09
	09/16/05	3,567.79	-	33.70	0.00	3,534.09
	12/02/05	3,567.79	sheen	33.46	0.00	3,534.33
	12/15/05	3,567.79	-	33.47	0.00	3,534.32
	03/17/06	3,567.79	-	33.43	0.00	3,534.36
	06/13/06	3,567.79	-	33.56	0.00	3,534.23
	07/12/06	3,567.79	sheen	33.67	0.00	3,534.12
	09/06/06	3,567.79	-	33.81	0.00	3,533.98
	09/17/06	3,567.79	-	33.75	0.00	3,534.04
	10/03/06	3,567.79	-	33.80	0.00	3,533.99
	10/24/06	3,567.79	-	33.72	0.00	3,534.07
MW-8	*11/15/06*	3,567.79	-	33.72	0.00	3,534.07
	11/16/06	3,567.79	-	33.65	0.00	3,534.14
	02/14/07	3,567.79	-	33.39	0.00	3,534.40
	03/22/07	3,567.79	-	33.37	0.00	3,534.42
	05/11/07	3,567.79	-	33.30	0.00	3,534.49
	08/14/07	3,567.79	-	33.37	0.00	3,534.42
	11/01/07	3,567.79	-	33.59	0.00	3,534.20
	02/04/08	3,567.79	-	33.81	0.00	3,533.98
	05/05/08	3,567.79	-	34.06	0.00	3,533.73
MW-9	11/09/04	3,568.82	-	38.85	0.00	3,529.97
	11/11/04	3,568.62	-	38.48	0.00	3,530.34
	03/18/05	3,568.62	-	36.61	0.00	3,532.21
	06/16/05	3,568.62	-	35.69	0.00	3,533.13
	09/16/05	3,568.62	sheen	35.10	0.00	3,533.72
	12/15/05	3,568.62	-	34.09	0.00	3,534.73
	03/17/06	3,568.62	-	34.86	0.00	3,533.96
	06/13/06	3,568.62	-	34.97	0.00	3,533.85
	08/09/06	3,568.62	-	35.18	0.00	3,533.64
	09/06/06	3,568.62	-	35.19	0.00	3,533.63
	09/17/06	3,568.62	-	35.15	0.00	3,533.67
	10/03/06	3,568.62	-	35.19	0.00	3,533.63
	10/24/06	3,568.62	-	35.12	0.00	3,533.70
	11/15/06	3,568.62	-	35.10	0.00	3,533.72
	02/14/07	3,568.62	-	34.90	0.00	3,533.92
	05/11/07	3,568.62	-	34.76	0.00	3,534.06
	08/14/07	3,568.62	-	34.84	0.00	3,533.98
	11/01/07	3,568.62	-	35.01	0.00	3,533.81
	02/04/08	3,568.62	-	35.23	0.00	3,533.59
	05/05/08	3,568.62	-	35.48	0.00	3,533.34
MW-10	11/09/04	3,570.11	-	39.05	0.00	3,531.06
	11/11/04	3,570.11	-	38.86	0.00	3,531.25
	03/18/05	3,570.11	-	36.50	0.00	3,533.61
	06/16/05	3,570.11	-	35.41	0.00	3,534.70
	09/16/05	3,570.11	-	34.82	0.00	3,535.29
	12/15/05	3,570.11	-	34.64	0.00	3,535.47

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	03/17/06	3,570.11	-	34.64	0.00	3,535.47
	06/13/06	3,570.11	-	35.79	0.00	3,534.32
	08/09/06	3,570.11	-	35.07	0.00	3,535.04
	09/06/06	3,570.11	-	35.04	0.00	3,535.07
	09/17/06	3,570.11	-	35.04	0.00	3,535.07
	10/03/06	3,570.11	-	35.08	0.00	3,535.03
	10/24/06	3,570.11	-	35.00	0.00	3,535.11
	11/15/06	3,570.11	-	34.93	0.00	3,535.18
	02/14/07	3,570.11	-	34.63	0.00	3,535.48
	05/11/07	3,570.11	-	34.58	0.00	3,535.53
	08/14/07	3,570.11	-	34.68	0.00	3,535.43
	11/01/07	3,570.11	-	34.95	0.00	3,535.16
	02/04/08	3,570.11	-	35.14	0.00	3,534.97
	05/05/08	3,570.11	-	35.48	0.00	3,534.63
MW-11	11/09/04	3,567.96	-	36.45	0.00	3,531.51
	11/11/04	3,567.96	-	36.44	0.00	3,531.52
	03/18/05	3,567.96	-	34.27	0.00	3,533.69
MW-11	*06/16/05*	3,567.96	-	33.30	0.00	3,534.66
	09/16/05	3,567.96	-	32.80	0.00	3,535.16
	12/15/05	3,567.96	-	32.60	0.00	3,535.36
	03/17/06	3,567.96	-	32.57	0.00	3,535.39
	06/13/06	3,567.96	-	33.77	0.00	3,534.19
	09/06/06	3,567.96	-	33.05	0.00	3,534.91
	10/24/06	3,567.96	-	33.00	0.00	3,534.96
	11/15/06	3,567.96	-	32.39	0.00	3,535.57
	02/14/07	3,567.96	-	32.71	0.00	3,535.25
	05/11/07	3,567.96	-	32.64	0.00	3,535.32
	08/14/07	3,567.96	-	32.79	0.00	3,535.17
	11/01/07	3,567.96	-	32.98	0.00	3,534.98
	02/04/08	3,567.96	-	33.28	0.00	3,534.68
	05/05/08	3,567.96	-	33.48	0.00	3,534.48
MW-12	11/09/04	3,570.36	-	38.57	0.00	3,531.79
	11/11/04	3,570.36	-	38.55	0.00	3,531.81
	03/18/05	3,570.36	sheen	36.31	0.00	3,534.05
	06/16/05	3,570.36	sheen	35.34	0.00	3,535.02
	08/11/05	3,570.36	sheen	34.93	0.00	3,535.43
	09/13/05	3,570.36	sheen	34.83	0.00	3,535.53
	09/16/05	3,570.36	-	34.85	0.00	3,535.51
	12/02/05	3,570.36	-	34.63	0.00	3,535.73
	12/15/05	3,570.36	-	34.62	0.00	3,535.74
	03/17/06	3,570.36	-	34.65	0.00	3,535.71
	06/13/06	3,570.36	-	34.85	0.00	3,535.51
	07/12/06	3,570.36	-	34.94	0.00	3,535.42
	08/09/06	3,570.36	-	35.11	0.00	3,535.25
	09/06/06	3,570.36	-	35.14	0.00	3,535.22
	09/17/06	3,570.36	-	35.06	0.00	3,535.30
	10/03/06	3,570.36	-	35.09	0.00	3,535.27

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	10/24/06	3,570.36	-	35.06	0.00	3,535.30
	11/15/06	3,570.36	sheen	35.07	0.00	3,535.29
	11/16/06	3,570.36	-	35.00	0.00	3,535.36
	02/14/07	3,570.36	34.74	35.81	1.07	3,535.46
	02/19/07	3,570.36	34.69	35.66	0.97	3,535.52
	03/02/07	3,570.36	34.71	35.80	1.09	3,535.49
	03/08/07	3,570.36	34.78	35.27	0.49	3,535.51
	03/22/07	3,570.36	34.74	35.58	0.84	3,535.49
	03/27/07	3,570.36	34.56	35.56	1.00	3,535.65
	04/03/07	3,570.36	34.74	35.66	0.92	3,535.48
	04/11/07	3,570.36	34.72	35.70	0.98	3,535.49
	04/27/07	3,570.36	34.73	35.66	0.93	3,535.49
	05/11/07	3,570.36	34.69	35.65	0.96	3,535.53
	06/13/07	Excavated around and cut down MW-12			1.68	
	06/19/07				0.90	
	07/02/07				0.94	
	07/11/07				0.90	
	07/19/07				0.37	
	07/24/07				1.45	
	08/01/07				1.02	
MW-12	08/08/07				1.04	
	08/14/07				1.11	
	08/16/07				1.18	
	08/24/07				1.27	
	08/29/07				0.93	
	09/05/07				1.00	
	09/14/07				1.25	
	09/26/07				1.38	
	10/03/07				1.32	
	10/10/07				1.25	
	10/17/07				1.28	
	11/01/07				1.17	
	11/30/07				1.62	
	01/11/08				1.51	
	01/17/08				1.35	
	01/22/08				1.08	
	02/12/08				1.54	
	02/21/08				1.24	
	04/24/08				1.75	
	05/08/08				1.56	
MW-13	03/14/06	3,571.78	-	35.10	0.00	3,536.68
	03/17/06	3,571.78	-	35.11	0.00	3,536.67
	06/13/06	3,571.78	-	35.37	0.00	3,536.41
	07/12/06	3,571.78	-	35.48	0.00	3,536.30
	09/06/06	3,571.78	-	35.66	0.00	3,536.12
	09/17/06	3,571.78	-	35.66	0.00	3,536.12
	10/03/06	3,571.78	-	35.70	0.00	3,536.08
	10/24/06	3,571.78	-	35.59	0.00	3,536.19

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	11/15/06	3,571.78	-	35.50	0.00	3,536.28
	11/16/06	3,571.78	-	35.48	0.00	3,536.30
	02/14/07	3,571.78	-	35.17	0.00	3,536.61
	05/11/07	3,571.78	-	35.05	0.00	3,536.73
	08/14/07	3,571.78	-	35.16	0.00	3,536.62
	11/01/07	3,571.78	-	35.49	0.00	3,536.29
	02/04/08	3,571.78	-	35.76	0.00	3,536.02
	05/05/08	3,571.78	-	36.12	0.00	3,535.66
MW-14	03/14/06	3,571.69	-	36.43	0.00	3,535.26
	03/17/06	3,571.69	-	36.45	0.00	3,535.24
	06/13/06	3,571.69	-	36.62	0.00	3,535.07
	07/12/06	3,571.69	-	36.73	0.00	3,534.96
	09/06/06	3,571.69	-	36.90	0.00	3,534.79
	09/17/06	3,571.69	-	36.84	0.00	3,534.85
	10/03/06	3,571.69	-	36.89	0.00	3,534.80
	10/24/06	3,571.69	-	36.80	0.00	3,534.89
	11/15/06	3,571.69	-	36.80	0.00	3,534.89
	11/16/06	3,571.69	-	36.70	0.00	3,534.99
	02/14/07	3,571.69	-	36.44	0.00	3,535.25
	03/22/07	3,571.69	-	36.39	0.00	3,535.30
	05/11/07	3,571.69	-	36.41	0.00	3,535.28
	07/11/07	3,571.69	-	36.38	0.00	3,535.31
	08/14/07	3,571.69	-	36.43	0.00	3,535.26
	11/01/07	3,571.69	-	36.68	0.00	3,535.01
	02/04/08	3,571.69	-	36.90	0.00	3,534.79
	05/05/08	3,571.69	-	37.19	0.00	3,534.50
MW-15	03/14/06	3,569.33	-	35.86	0.00	3,533.47
	03/17/06	3,569.33	-	35.87	0.00	3,533.46
	06/13/06	3,569.33	-	35.95	0.00	3,533.38
	07/12/06	3,569.33	-	36.01	0.00	3,533.32
	08/09/06	3,569.33	-	36.18	0.00	3,533.15
	09/06/06	3,569.33	-	36.21	0.00	3,533.12
	09/17/06	3,569.33	-	36.07	0.00	3,533.26
	10/03/06	3,569.33	-	36.10	0.00	3,533.23
	10/24/06	3,569.33	-	36.10	0.00	3,533.23
	11/15/06	3,569.33	-	36.09	0.00	3,533.24
	11/16/06	3,569.33	-	36.08	0.00	3,533.25
	02/14/07	3,569.33	-	35.90	0.00	3,533.43
	03/22/07	3,569.33	-	35.78	0.00	3,533.55
	05/11/07	3,569.33	-	35.74	0.00	3,533.59
	07/11/07	3,569.33	35.78	35.79	0.01	3,533.55
	08/14/07	3,569.33		35.82	0.00	3,533.51
	11/01/07	3,569.33		35.96	0.00	3,533.37
	02/05/08	3,569.33	-	36.18	0.00	3,533.15
	05/05/08	3,569.33	-	36.40	0.00	3,532.93
MW-16	03/14/06	3,568.89	-	53.29	0.00	3,515.60

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	03/17/06	3,568.89	-	35.29	0.00	3,533.60
	06/13/06	3,568.89	-	35.40	0.00	3,533.49
	07/12/06	3,568.89	-	35.51	0.00	3,533.38
	08/09/06	3,568.89	-	35.62	0.00	3,533.27
	09/06/06	3,568.89	-	35.64	0.00	3,533.25
	09/17/06	3,568.89	-	35.65	0.00	3,533.24
	10/03/06	3,568.89	-	35.66	0.00	3,533.23
	10/24/06	3,568.89	-	35.50	0.00	3,533.39
	11/15/06	3,568.89	-	35.59	0.00	3,533.30
	11/16/06	3,568.89	-	35.42	0.00	3,533.47
	02/14/07	3,568.89	-	35.29	0.00	3,533.60
	03/22/07	3,568.89	-	35.24	0.00	3,533.65
	05/11/07	3,568.89	-	35.31	0.00	3,533.58
	08/14/07	3,568.89	-	35.34	0.00	3,533.55
	11/01/07	3,568.89	-	35.49	0.00	3,533.40
	02/05/08	3,568.89	-	35.61	0.00	3,533.28
	05/05/08	3,568.89	-	35.91	0.00	3,532.98
MW-17	03/13/06	3,569.66	-	34.86	0.00	3,534.80
	03/17/06	3,569.66	-	34.87	0.00	3,534.79
	06/13/06	3,569.66	-	35.04	0.00	3,534.62
	07/12/06	3,569.66	-	35.12	0.00	3,534.54
	09/06/06	3,569.66		35.30	0.00	3,534.36
	09/17/06	3,569.66	-	35.28	0.00	3,534.38
	10/03/06	3,569.66	-	35.31	0.00	3,534.35
	10/24/06	3,569.66	-	35.23	0.00	3,534.43
	11/15/06	3,569.66	-	35.21	0.00	3,534.45
	11/16/06	3,569.66	-	35.12	0.00	3,534.54
	02/14/07	3,569.66	-	34.95	0.00	3,534.71
	03/22/07	3,569.66	-	34.97	0.00	3,534.69
	05/11/07	3,569.66	-	34.94	0.00	3,534.72
	08/14/07	3,569.66	-	35.06	0.00	3,534.60
MW-17	*11/01/07*	3,569.66	-	35.21	0.00	3,534.45
	02/04/08	3,569.66	-	35.43	0.00	3,534.23
	05/05/08	3,569.66	-	35.74	0.00	3,533.92
MW-18	03/13/06	3,571.17	-	34.81	0.00	3,536.36
	03/17/06	3,571.17	-	34.82	0.00	3,536.35
	06/13/06	3,571.17	-	35.05	0.00	3,536.12
	07/12/06	3,571.17	-	35.14	0.00	3,536.03
	09/06/06	3,571.17	-	35.36	0.00	3,535.81
	09/17/06	3,571.17	-	33.73	0.00	3,537.44
	10/03/06	3,571.17	-	35.77	0.00	3,535.40
	10/24/06	3,571.17	-	35.70	0.00	3,535.47
	11/15/06	3,571.17	-	35.25	0.00	3,535.92
	11/16/06	3,571.17	-	35.20	0.00	3,535.97
	02/14/07	3,571.17	-	35.02	0.00	3,536.15
	05/11/07	3,571.17	-	35.00	0.00	3,536.17
	08/14/07	3,571.17	-	35.18	0.00	3,535.99

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
	11/01/07	3,571.17	-	35.37	0.00	3,535.80
	02/04/08	3,571.17	-	35.51	0.00	3,535.66
	05/05/08	3,571.17	-	36.91	0.00	3,534.26

Elevations based on the North American Vertical Datum of 1929.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

All Concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		**0.01**	**0.75**	**0.75**	**0.62**		
MW - 1	02/02/00	**0.088**	0.003	<0.001	0.002	<0.001	0.093
	05/15/00	**0.120**	0.003	0.002	0.002	<0.001	0.127
	09/14/00	**0.361**	0.002	0.002	<0.001	<0.001	0.365
	12/05/00	**0.483**	0.001	0.001	0.001	<0.001	0.486
	03/18/05	Not Sampled Due to PSH in Well					
	06/16/05	**0.088**	<0.05	0.063	<0.05		0.151
	09/16/05	**1.150**	<0.2	**1.610**	**1.150**		**3.910**
	12/15/05	**0.596**	<0.2	<0.2	<0.2		0.596
	03/17/06	**0.658**	<0.2	0.406	0.373		**1.437**
	06/13/06	**0.290**	0.0017	0.187	0.158		**0.637**
	09/06/06	**0.297**	<0.2	<0.2	<0.2		**0.297**
	11/15/06	**0.368**	<0.001	**0.233**	**0.194**		**0.795**
	02/14/07	**0.111**	<0.001	**0.095**	**0.083**		**0.290**
	05/11/07	**0.432**	<0.200	**0.520**	**0.459**		**1.411**
	08/14/07	**0.146**	<0.02	**0.0519**	**0.057**		**0.255**
	11/01/07	**0.309**	<0.02	**0.101**	**0.0647**		**0.475**
	02/05/08	**0.154**	<0.001	**.0.583**	**0.4610**		**0.615**
	05/05/08	**0.816**	<0.005	**0.266**	**0.3430**		**1.425**
MW - 2	02/02/00	0.008	<0.001	<0.001	<0.001	<0.001	0.008
	05/15/00	**0.059**	<0.001	<0.001	<0.001	<0.001	0.059
	09/14/00	**0.104**	<0.001	<0.001	<0.001	<0.001	0.104
	12/05/00	**0.180**	<0.001	0.003	0.001	<0.001	0.184
	03/18/05	**1.570**	<0.5	<0.5	<0.5		1.570
	06/16/05	**1.030**	<0.2	0.535	0.315		1.880
	09/16/05	**0.998**	<0.2	0.681	0.424		2.103
	12/15/05	**0.849**	<0.2	0.605	0.402		1.856
	03/17/06	**0.670**	<0.2	0.580	0.588		1.838
	06/13/06	**0.339**	<0.2	0.334	<0.2		0.673
	09/06/06	Not Sampled Due to Well Obstruction					
	11/09/06	Plugged and Abandoned					
MW - 3	02/02/00	**0.158**	0.006	0.005	0.006	0.002	0.177
	12/21/04	**1.840**	<0.005	0.412	0.284		**2.536**
	03/18/05	**0.769**	<0.5	<0.5	<0.5		0.769
	06/16/05	**0.990**	<0.5	**1.290**	**0.888**		**3.168**
	09/16/05	**0.705**	<0.2	0.678	0.458		1.841
	12/15/05	Not Sampled Due to PSH in Well					
	03/17/06	**1.240**	<0.2	**2.590**	**2.300**		**6.130**
	06/13/06	**0.543**	<0.2	0.445	<0.2		**0.988**
	09/06/06	**0.453**	<0.2	0.601	**0.774**		**1.828**
	11/15/06	**0.785**	<0.02	0.493	0.318		**1.596**
	02/14/07	**0.923**	<0.02	**2.050**	**1.750**		**4.723**
	05/11/07	**0.484**	<0.200	<0.200	**0.655**		**1.139**
	08/14/07	**0.478**	<0.02	**0.332**	**0.341**		**1.151**

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

All Concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
	11/01/07	**0.463**	<0.100	**0.151**	**0.206**		**0.820**
MW-3	02/05/08	**0.394**	<0.100	**0.257**	**0.315**		**0.966**
	05/05/08	**0.441**	<0.0100	**0.142**	**0.122**		**0.705**
MW - 4	02/02/00	0.003	<0.001	<0.001	<0.001	<0.001	0.003
	05/15/00	0.002	0.001	0.001	<0.001	<0.001	0.004
	09/14/00	0.007	<0.001	0.006	0.004	<0.001	0.017
	12/05/00	**0.013**	0.001	0.004	0.003	<0.001	0.021
	03/18/05	<0.005	<0.005	**0.122**	**0.096**		**0.218**
	06/16/05	**0.142**	<0.005	**0.124**	**0.116**		**0.382**
	09/16/05	**0.092**	<0.001	**0.321**	**0.258**		**0.671**
	12/15/05	**0.063**	<0.005	**0.289**	**0.230**		**0.582**
	03/17/06	<0.001	0.0392	**0.251**	**0.211**		**0.501**
	06/13/06	**0.026**	<0.005	**0.351**	**0.238**		**0.615**
	09/06/06	<0.001	0.011	**0.269**	**0.205**		**0.485**
	11/15/06	<0.001	0.0038	**0.273**	**0.209**		**0.486**
	02/14/07	<0.001	<0.001	**0.285**	**0.222**		**0.507**
	05/11/07	**0.046**	0.0177	**0.255**	**0.214**		**0.532**
	08/14/07	**0.0298**	0.0062	**0.154**	**0.112**		**0.302**
	11/01/07	**0.0154**	0.0056	**0.146**	**0.116**		**0.283**
	02/05/08	**0.0083**	0.0082	**0.219**	**0.172**		**0.408**
	05/05/08	**0.1950**	<0.005	**0.219**	**0.174**		**0.588**
MW - 5	02/02/00	**0.032**	0.043	0.196	0.152	0.018	0.441
	03/18/05	Not Sampled Due to PSH in Well					
	06/16/05	**0.409**	**0.076**	**0.433**	**0.670**		**1.588**
	09/16/05	**0.124**	<0.001	**0.302**	**0.340**		**0.766**
	12/15/05	**0.149**	<0.005	**0.304**	**0.426**		**0.879**
	03/17/06	<0.01	<0.01	**0.273**	**0.394**		**0.667**
	06/13/06	**0.148**	<0.05	**0.202**	**0.199**		**0.549**
	09/06/06	**0.202**	<0.001	**0.250**	**0.285**		**0.737**
	11/15/06	**0.207**	<0.001	**0.203**	**0.205**		**0.615**
	02/14/07	**0.239**	<0.001	**0.166**	**0.281**		**0.686**
	05/11/07	**0.190**	**0.0609**	**0.110**	**0.412**		**0.773**
	08/14/07	**0.156**	<0.01	**0.0385**	**0.361**		**0.556**
	11/01/07	**0.111**	<0.001	**0.0097**	**0.177**		**0.298**
	02/05/08	**0.083**	**0.003**	**0.0158**	**0.193**		**0.294**
	05/05/08	**0.223**	**<0.005**	**0.0051**	**0.2380**		**0.466**
MW - 6	02/02/00	**0.047**	0.002	0.004	0.004	0.002	0.059
	05/15/00	**0.055**	0.002	0.005	0.002	0.001	0.065
	09/14/00	**0.046**	0.002	0.003	<0.001	<0.001	0.051
	12/05/00	**0.073**	0.001	0.006	0.005	0.001	0.086
	03/07/01	**0.124**	<0.001	0.002	0.001	0.003	0.130
	05/23/01	**0.050**	0.005	<0.005	<0.005		0.055

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CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

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SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
	08/06/01	**0.042**	<0.001	0.001	<0.001	<0.001	0.043
	10/02/01	**0.017**	<0.001	<0.001	<0.001	<0.001	0.017
	02/28/02	**0.033**	<0.001	0.002	<0.001	<0.001	0.035
	05/14/02	**0.028**	<0.001	0.001	<0.001	<0.001	0.030
	08/19/02	**0.032**	<0.001	0.001	<0.001	<0.001	0.033
	11/18/02	**0.022**	<0.001	<0.001	<0.001	<0.001	0.022
	09/09/04	0.006	<0.001	<0.001	<0.002	<0.001	0.006
	12/21/04	0.003	<0.001	<0.001	<0.001		0.003
MW - 6	03/18/05	**0.021**	<0.001	**0.003**	<0.001		**0.024**
	06/16/05	**0.168**	<0.02	**0.038**	<0.02		**0.206**
	09/16/05	**0.239**	<0.001	**0.060**	**0.030**		**0.329**
	12/15/05	**0.249**	<0.01	**0.054**	**0.017**		**0.320**
	03/17/06	**0.134**	<0.001	**0.024**	**0.009**		**0.167**
	06/13/06	**0.258**	<0.001	**0.027**	**0.014**		**0.299**
	09/06/06	**0.289**	<0.001	**0.018**	<0.001		**0.307**
	11/15/06	**0.160**	<0.001	**0.0104**	0.0041		**0.175**
	02/14/07	**0.571**	**0.827**	**0.0933**	**0.1140**		**1.605**
	05/11/07	**0.292**	0.0254	**0.0174**	**0.0154**		**0.350**
	08/14/07	Not Sampled Due to Excavation Activities					
	11/01/07	**0.205**	**0.0323**	**0.0333**	**0.0216**		**0.292**
	02/05/08	**0.279**	**0.003**	**0.0158**	**0.1930**		**0.491**
	05/05/08	**0.327**	**0.115**	<0.002	<0.002		**0.442**
MW - 7	02/02/00	**0.007**	<0.001	0.001	0.002	<0.001	**0.010**
	05/15/00	**0.004**	<0.001	0.001	<0.001	<0.001	**0.005**
	09/14/00	**0.046**	<0.001	0.002	<0.001	<0.001	**0.048**
	12/05/00	**0.062**	<0.001	0.002	<0.001	<0.001	**0.064**
	03/07/01	**0.076**	<0.001	<0.001	0.001	0.003	**0.080**
	05/23/01	**0.015**	<0.005	<0.005	<0.005		**0.015**
	08/06/01	**0.011**	<0.001	<0.001	<0.001	<0.001	**0.011**
	10/02/01	**0.025**	<0.001	<0.001	<0.001	<0.001	**0.025**
	02/28/02	**0.004**	<0.001	<0.001	<0.001	<0.001	**0.004**
	05/14/02	**0.118**	<0.001	<0.001	<0.001	<0.001	**0.118**
	08/19/02	**0.014**	<0.001	<0.001	<0.001	<0.001	**0.014**
	11/18/02	**0.024**	<0.001	<0.001	<0.001	<0.001	**0.024**
	09/08/04	<0.001	<0.001	<0.001	<0.002	<0.001	**0.000**
	12/21/04	**0.006**	<0.001	<0.001	<0.001		**0.006**
	03/18/05	**0.002**	<0.001	<0.001	<0.001		**0.002**
	06/16/05	**0.011**	<0.001	**0.004**	0.002		**0.017**
	09/16/05	**0.008**	<0.001	**0.001**	<0.001		**0.009**
	12/15/05	**0.022**	<0.001	**0.003**	**0.002**		**0.027**
	03/17/06	**0.030**	<0.001	**0.005**	**0.003**		**0.038**
	06/13/06	**0.042**	<0.001	**0.004**	**0.004**		**0.049**
	09/06/06	**0.032**	<0.001	**0.004**	**0.007**		**0.043**
	11/15/06	**0.0486**	<0.001	**0.004**	**0.0024**		**0.055**

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

All Concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
	02/14/07	**0.0551**	<0.001	**0.005**	<0.001		**0.060**
	05/11/07	**0.0378**	<0.001	**0.004**	**0.0074**		**0.049**
	08/14/07	**0.0143**	<0.001	**0.003**	**0.0207**		**0.038**
	11/01/07	**0.0224**	<0.001	**0.0017**	<0.001		**0.024**
	02/05/08	**0.0166**	<0.001	<0.001	<0.001		**0.017**
	05/05/08	**0.1160**	<0.001	<0.001	**0.0043**		**0.120**
MW-8	11/11/04	**0.185**	<0.001	**0.042**	**0.026**		**0.253**
	03/18/05	**0.080**	<0.005	**0.069**	**0.022**		**0.170**
	06/16/05	**0.111**	<0.001	**0.105**	**0.048**		**0.264**
	09/16/05	**0.063**	<0.001	**0.064**	**0.025**		**0.152**
	12/15/05	<0.001	<0.001	<0.001	**0.006**		**0.006**
MW-8	03/17/06	**0.012**	<0.001	**0.012**	**0.025**		**0.048**
	06/13/06	<0.001	<0.001	<0.001	**0.017**		**0.017**
	09/06/06	<0.001	<0.001	<0.001	**0.015**		**0.015**
	11/15/06	**0.0366**	<0.001	**0.0199**	**0.0182**		**0.0747**
	02/14/07	**0.0718**	<0.001	**0.0253**	**0.0384**		**0.1355**
	05/11/07	**0.0442**	<0.001	**0.0197**	**0.0243**		**0.0882**
	08/14/07	**0.0413**	<0.001	**0.0067**	**0.0147**		**0.0627**
	11/01/07	**0.0251**	<0.001	**0.0063**	**0.0125**		**0.0439**
	02/05/08	**0.0319**	<0.001	**0.0045**	**0.0175**		**0.0539**
	05/05/08	**0.0061**	<0.001	0.0018	**0.0129**		**0.0208**
MW-9	11/11/04	**0.281**	<0.05	0.088	<0.05		**0.369**
	03/18/05	**0.016**	<0.005	<0.005	<0.005		**0.016**
	06/16/05	**0.462**	<0.2	**0.212**	<0.2		**0.674**
	09/16/05	**0.663**	**0.0398**	**0.234**	**0.144**		**1.081**
	12/15/05	**0.448**	<0.1	**0.171**	<0.1		**0.619**
	03/17/06	**0.379**	<0.02	**0.122**	**0.078**		**0.579**
	06/13/06	**0.304**	<0.05	**0.072**	<0.05		**0.376**
	09/06/06	**0.175**	<0.02	**0.026**	<0.02		**0.201**
	11/15/06	**0.400**	<0.001	**0.0456**	**0.0145**		**0.4601**
	02/14/07	**0.276**	<0.001	**0.0181**	**0.0066**		**0.3007**
	05/11/07	**0.200**	<0.020	<0.020	<0.020		**0.2000**
	08/14/07	**0.0983**	<0.02	**0.0381**	**0.0352**		**0.1716**
	11/01/07	**0.140**	<0.001	**0.0110**	<0.001		**0.1510**
	02/05/08	**0.236**	<0.001	**0.0072**	**0.0015**		**0.2447**
	05/05/08	**0.198**	<0.005	**0.0102**	**0.0099**		**0.2181**
MW-10	11/11/04	**0.081**	<0.005	**0.054**	**0.010**		0.146
	03/18/05	**0.046**	<0.01	**0.021**	<0.01		**0.067**
	06/16/05	**0.075**	<0.02	**0.069**	**0.033**		**0.178**
	09/16/05	**0.246**	<0.001	**0.176**	**0.095**		**0.517**
	12/15/05	**0.240**	<0.1	**0.193**	<0.1		**0.433**
	03/17/06	**0.228**	<0.01	**0.186**	**0.086**		**0.500**

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CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

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SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
	06/13/06	**0.232**	<0.05	**0.204**	**0.065**		**0.501**
	09/06/06	**0.138**	<0.02	**0.062**	**0.043**		**0.243**
	11/15/06	**0.191**	<0.001	**0.167**	**0.0942**		**0.452**
	02/14/07	**0.183**	<0.001	**0.162**	**0.0819**		**0.427**
	05/11/07	**0.111**	<0.010	**0.070**	**0.0550**		**0.236**
	08/14/07	**0.0784**	<0.01	**0.0291**	**0.0177**		**0.125**
	11/01/07	**0.110**	<0.001	**0.0412**	**0.0368**		**0.188**
	02/05/08	**0.118**	<0.001	**0.0029**	**0.0240**		**0.145**
	05/05/08	**0.115**	<0.005	**0.0082**	**0.0305**		**0.154**
MW-11	11/11/04	**0.020**	<0.005	<0.005	<0.005		**0.020**
	03/18/05	**0.065**	<0.005	0.010	<0.005		**0.075**
	06/16/05	**0.164**	<0.01	**0.013**	<0.01		**0.177**
	09/16/05	**0.207**	<0.001	**0.006**	<0.001		**0.213**
	12/15/05	<0.001	<0.001	<0.001	<0.001		<0.001
	03/17/06	<0.001	<0.001	<0.001	**0.010**		**0.010**
	06/13/06	**0.155**	<0.02	<0.02	<0.02		**0.155**
	09/06/06	**0.014**	<0.001	<0.001	<0.001		**0.014**
MW-11	11/15/06	**0.228**	<0.001	**0.0456**	**0.0118**		**0.2854**
	02/14/07	**0.276**	**0.0011**	**0.0571**	**0.0140**		**0.3482**
	05/11/07	**0.200**	<0.010	**0.0439**	<0.010		**0.2439**
	08/14/07	**0.144**	<0.02	**0.0290**	<0.02		**0.1730**
	11/01/07	**0.268**	<0.001	**0.0602**	**0.0178**		**0.3460**
	02/05/08	**0.260**	<0.001	**0.0599**	**0.0273**		**0.3472**
	05/05/08	**0.231**	<0.005	**0.0456**	**0.0248**		**0.3014**
MW-12	11/11/04	**0.008**	<0.005	<0.005	**0.010**		**0.017**
	03/18/05	**0.058**	<0.005	**0.043**	**0.042**		**0.143**
	06/16/05	**0.107**	<0.02	**0.076**	**0.071**		**0.254**
	09/16/05	**0.042**	<0.02	**0.033**	<0.02		**0.075**
	12/15/05	**0.023**	<0.001	**1.000**	**0.011**		**1.034**
	03/17/06	**0.115**	<0.1	<0.1	<0.1		**0.115**
	06/13/06	**0.127**	<0.001	**0.006**	**0.045**		**0.178**
	09/06/06	**0.020**	<0.001	**0.002**	**0.005**		**0.026**
	11/15/06	**0.132**	<0.001	**0.0461**	**0.0709**		**0.2490**
	02/14/07	Not Sampled Due to PSH in Well					
	05/11/07	Not Sampled Due to PSH in Well					
	08/14/07	Not Sampled Due to PSH in Well					
	11/01/07	Not Sampled Due to PSH in Well					
	02/05/08	Not Sampled Due to PSH in Well					
MW-13	03/17/06	<0.001	<0.001	<0.001	<0.001		<0.001
	06/13/06	<0.001	<0.001	<0.001	<0.001		<0.001
	09/06/06	<0.001	<0.001	<0.001	**0.004**		**0.004**
	11/15/06	<0.001	<0.001	<0.001	**0.0011**		**0.001**

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

All Concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
	02/14/07	<0.001	<0.001	<0.001	**0.0020**		**0.002**
	05/11/07	<0.001	<0.001	<0.001	**0.0098**		**0.0098**
	08/14/07	<0.001	<0.001	<0.001	<0.001		<0.001
	11/01/07	<0.001	<0.001	<0.001	<0.001		<0.001
	02/05/08	<0.001	<0.001	<0.001	**0.0021**		**0.0021**
	05/05/08	<0.001	<0.001	<0.001	**0.0013**		**0.0013**
MW-14	03/17/06	<0.005	<0.005	<0.005	<0.005		<0.005
	06/13/06	**0.011**	<0.001	**0.003**	**0.003**		**0.017**
	09/06/06	**0.020**	**0.0025**	**0.012**	**0.032**		**0.066**
	11/15/06	**0.0188**	<0.001	**0.0031**	**0.0145**		**0.0364**
	02/14/07	<0.001	<0.001	<0.001	**0.0164**		**0.0164**
	05/11/07	**0.0110**	<0.001	<0.001	**0.0066**		**0.0176**
	08/14/07	**0.0085**	<0.001	<0.001	**0.0118**		**0.0203**
	11/01/07	**0.0051**	<0.001	<0.001	<0.001		**0.0051**
	02/05/08	**0.0095**	<0.001	<0.001	<0.001		**0.0095**
	05/05/08	**0.0072**	0.0015	<0.001	0.0041		**0.0128**
MW-15	03/17/06	**0.477**	<0.02	<0.02	<0.02		0.477
	06/13/06	**0.567**	<0.02	**0.181**	**0.114**		**0.862**
	09/06/06	**0.698**	<0.02	**0.247**	**0.106**		**1.051**
	11/15/06	**0.602**	<0.02	**0.265**	**0.134**		**1.001**
	02/14/07	**0.254**	<0.001	**0.148**	**0.091**		**0.493**
	05/11/07	**0.438**	<0.010	**0.203**	**0.087**		**0.728**
	08/14/07	**0.296**	<0.01	**0.194**	**0.114**		**0.604**
MW-15	11/01/07	**1.070**	<0.1	**0.358**	**0.175**		**1.603**
	02/05/08	**0.500**	<0.001	**0.159**	**0.0861**		**0.745**
	05/05/08	**0.598**	<0.005	**0.190**	**0.0919**		**0.880**
MW-16	03/17/06	**0.199**	<0.1	<0.1	<0.1		**0.199**
	06/13/06	**0.233**	<0.2	<0.2	<0.2		**0.233**
	09/06/06	**0.146**	<0.1	<0.1	<0.1		**0.146**
	11/15/06	**0.184**	<0.001	**0.150**	**0.110**		**0.444**
	02/14/07	**0.192**	<0.001	**0.142**	**0.106**		**0.440**
	05/11/07	<0.100	<0.100	**0.111**	<0.100		**0.111**
	08/14/07	**0.0801**	<0.01	**0.0454**	**0.0318**		**0.157**
	11/01/07	**0.116**	<0.001	**0.116**	**0.0870**		**0.319**
	02/05/08	**0.080**	<0.005	**0.611**	**0.0503**		**0.741**
	05/05/08	**0.128**	<0.005	**0.082**	**0.0524**		**0.263**
MW-17	03/17/06	**0.028**	<0.01	<0.01	<0.01		0.028
	06/13/06	**0.025**	<0.001	<0.001	0.003		0.028
	09/06/06	**0.017**	**0.001**	**0.011**	**0.010**		**0.039**
	11/15/06	**0.0329**	<0.001	**0.022**	**0.0174**		**0.0723**
	02/14/07	**0.0812**	<0.001	**0.060**	**0.0549**		**0.1960**

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
RED BYRD 1
LEA COUNTY, NM

All Concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B,5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	BTEX
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
	05/11/07	**0.0511**	<0.001	**0.041**	**0.0335**		**0.1256**
	08/14/07	**0.0629**	<0.001	**0.0351**	**0.0189**		**0.1169**
	11/01/07	**0.0318**	<0.001	**0.0254**	**0.0184**		**0.0756**
	02/05/08	**0.0554**	<0.001	**0.0399**	**0.0291**		**0.1244**
	05/05/08	**0.0800**	<0.005	**0.0405**	**0.0297**		**0.1502**
MW-18	03/17/06	<0.001	<0.001	**0.002**	<0.001		**0.002**
	06/13/06	**0.009**	<0.001	**0.039**	**0.038**		**0.086**
	09/06/06	**0.009**	<0.001	**0.049**	**0.041**		**0.099**
	11/15/06	**0.0075**	<0.001	**0.0626**	**0.0456**		**0.1157**
	02/14/07	**0.0090**	**0.0034**	**0.0667**	**0.0651**		**0.1442**
	05/11/07	**0.0073**	<0.001	**0.0653**	**0.0558**		**0.1284**
	08/14/07	**0.0072**	<0.001	**0.0518**	**0.0419**		**0.1009**
	11/01/07	**0.0050**	<0.001	**0.0600**	**0.0462**		**0.1112**
	02/05/08	**0.0080**	<0.001	**0.0864**	**0.0671**		**0.1615**
	05/05/08	**0.0438**	<0.005	**0.0991**	**0.0766**		**0.2195**
EB - 1	09/14/00	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	12/05/00	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	03/07/01	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	05/23/01	<0.005	<0.005	<0.005	<0.005		0.000
	08/06/01	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	10/02/02	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	05/14/02	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	08/19/02	<0.001	<0.001	<0.001	<0.001	<0.001	0.000
	11/18/02	<0.001	<0.001	<0.001	<0.001	<0.001	0.000

Note: m,p and o Xylenes combined when analyzed by Trace Laboratories, Inc. only.

Note: EB denotes Equipment Blank collected during sampling event.

TABLE 3

CONCENTRATIONS OF HYDROCARBON IN SOIL

PLAINS MARKETING, L.P.
Red Bryd Ranch Historical
NEW MEXICO

All concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	SW 8015B									
		C6-C12	C12-C28	C28-C35	TPH DRO	TPH GRO	Benzene	Toluene	Ethylbenzene	Xylene	Total Hydrocarb
PEW	05/30/07	1350	3580	100							5930
PSEW	05/30/07	1660	8510	1060							11200
PNWW	05/30/07	2890	14900	2060							19800
PBNC	05/30/07	2270	5230	928							8430
PBC	05/30/07	2370	4540	789							7700
PSEW Low	05/30/07	1420	5150	810							7380
E. Wall E 8"	06/01/07	ND	ND	ND							ND
FLR East Exc.	06/01/07	80.6	286	54							421
FLR Ext Ecx.-1	06/01/07	1320	2590	360							4270
FLR Ext Ecx.-2	06/01/07	1880	3710	447							6040
W Wall 3'	06/01/07	12.2	75.6	16.7							104
W Wall 13'	06/01/07	1810	3420	422							5650
PNW	06/25/07				3250	227					3477
T-1 Bottom @10'	06/06/07				<50.0	<1.00					
PNEW	06/06/07				<50.0	<1.00					
PBC	06/06/07				3290	1230					
PSWW	06/06/07				2830	272					
PWW	06/06/07				128	7.64					
SPE	06/06/07				183	28.2					
SPS	06/06/07				526	66.6					
SPN	06/06/07				489	71.1					
SPW	06/06/07				133	56.4					
T-2 WBH@8'	06/06/07				<50.0	6.79					
T-2 EBH @8'	06/06/07				<50.0	3.24					
SB1-07-10'	11/28/07				<50.0	<1.00					
BB1-07-20'	11/28/07				760	104	<0.02	0.0399	0.0926	0.0661	
SB2-07-10'	11/28/07				<50.0	1.12					
SB2-07-20'	11/28/07				2000	426	<0.05	0.25	0.249	0.808	
SB3-07-10'	11/28/07				<50.0	3.09					
SB3-07-20'	11/28/07				<50.0	<1.00					
SB3-07-29'	11/28/07				152	11.8	<0.01	<0.01	<0.01	<0.01	
SB4-07-10'	11/28/07				<50.0	<1.00					
SB4-07-20'	11/28/07				<50.0	<1.00					
SB4-07-29'	11/28/07				<50.0	<1.00	<0.01	<0.01	<0.01	<0.01	
SB5-07-10'	11/28/07				<50.0	<1.00					
SB5-07-20'	11/28/07				<50.0	<1.00					
SB5-07-29'	11/28/07				<50.0	<1.00	<0.01	<0.01	<0.01	<0.01	
SB6-07-10'	11/28/07				<50.0	<1.00					
SB6-07-20'	11/28/07				<50.0	<1.00					
SB6-07-29'	11/28/07				<50.0	<1.00	<0.01	<0.01	<0.01	<0.01	

Note: m, p & o xylenes combined when analyzed by Trace Laboratories, Inc. only
EB - 1 Denotes equipment blank collected on sample date.

APPENDICES

APPENDIX A:
C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name:	Red Byrd # 1	Facility Type:	Steel Pipeline

Surface Owner:	Mineral Owner	Lease No.
Red Byrd		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	I	20S	36E					Lea

Latitude 32° 36' 09.8" N **Longitude** 103° 17' 58.5" W

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: Unknown	Volume Recovered
Source of Release: Steel Pipeline	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? Yes ☐ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.*
NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	Attached ☐
Date: 3/21/2005 Phone: (505)441-0965		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Plains Pipeline, LP	Contact Camille Reynolds
Address 3112 W. U.S. Hwy 82	Telephone No. (505) 441-0965
Facility Name Rice Byrd RANCH Historical	Facility Type 6" Pipeline

Surface Owner J R Byrd	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	1	20S	36E					Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release unknow Volume Recovered
Source of Release	Date and Hour of Occurrence UK Date and Hour of Discovery 4/24/07 @ 10:3
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton
By Whom? Camille Reynolds	Date and Hour 4/24/07 @ 14.00
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* During investigation of on-going Site remediation discovered historical release along Pipeline ROW.

Describe Area Affected and Cleanup Action Taken.* Delineation in progress -

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: Camille Reynolds	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coor.	Approval Date: / Expiration Date:
E-mail Address: Creynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 4/25/07 Phone: (505) 441-0965	

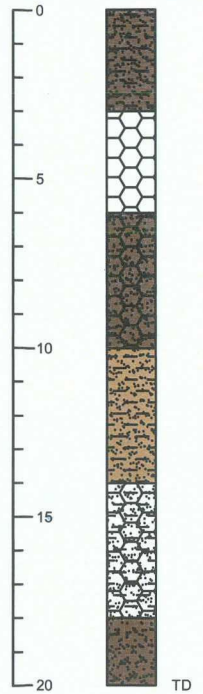
* Attach Additional Sheets If Necessary

RP# 1299

APPENDIX B:
Soil Boring Logs

Soil Boring SB-1-07

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		2	None	None
10		3	None	None
15		10	None	None
20	TD	308	Odor	None



Soil Description

0 - 3' - Sandy clay, brown

3 - 6' - Caliche-buff

6 - 10' - Sand, brown, loose and caliche lenses

10 - 14' - Sandy clay, light brown with sand lenses

14 - 18' - Sand, sandy clay with caliche nodules

18 - 20' - Sand and sandstone, brown with odor

Soil Boring Details

Date Drilled 11-28-07

Depth ofSoil Boring 20 ft

⬭ Indicates samples selected for Laboratory Analysis.

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

Completion Notes

1. The soil boring was installed on date using air rotary drilling techniques.
2. The lines between material types shown on the profile log represent approximat boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from below ground surface. (bgs)

Soil Boring Log and Details
Soil Boring SB-1-07
Red Bryd Ranch Historical Lea County, New Mexico
Plains Marketing, L.P.

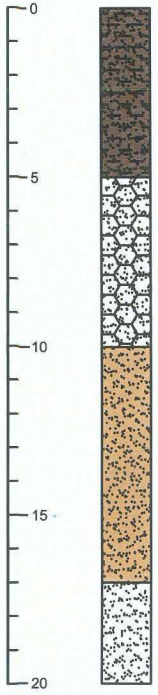
NOVA safety and environmental

NOVA Safety and Environmenta

CAD By: DGC	Checked By: TKC
May 15, 2008	

Soil Boring SB-2-07

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		3	None	None
10		3	None	None
15		120	None	None
20	TD	346	Odor	None



Soil Description

0 - 5' - Sandy clay, brown

5 - 10' - Caliche with sand lenses

10 - 17' - Sand, fine gained, tan

17 - 20' - Sand - odor at 17' getting stronger with depth

Soil Boring Details

Date Drilled 11-28-07

Depth ofSoil Boring 20 ft

⬭ Indicates samples selected for Laboratory Analysis.

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

Completion Notes

1. The soil boring was installed on date using air rotary drilling techniques.
2. The lines between material types shown on the profile log represent approximat boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from below ground surface. (bgs)

Soil Boring Log and Details
Soil Boring SB-2-07
Red Bryd Ranch Historical Lea County, New Mexico
Plains Marketing, L.P.

NOVA safety and environmental

NOVA Safety and Environmenta

CAD By: DGC	Checked By: TKC
May 15, 2008	

Soil Boring SB-3-07

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		3	None	None
10		5	None	None
15		7	None	None
20		6	None	None
25	TD	7	None	None

Soil Description

0 - 5' - Sandy clay, brown

5 - 13' - Sand, fine grained, tan- with caliche nodules- and buff caliche lenses

13 - 15' - Sand with caliche, tan

15 - 25' - Sand, tan, loose

Soil Boring Details

Date Drilled 11-28-07

Depth ofSoil Boring 20 ft

⬭ Indicates samples selected for Laboratory Analysis.

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

Completion Notes

1. The soil boring was installed on date using air rotary drilling techniques.
2. The lines between material types shown on the profile log represent approximat boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from below ground surface. (bgs)

Soil Boring Log and Details
Soil Boring SB-3-07
Red Bryd Ranch Historical Lea County, New Mexico
Plains Marketing, L.P.

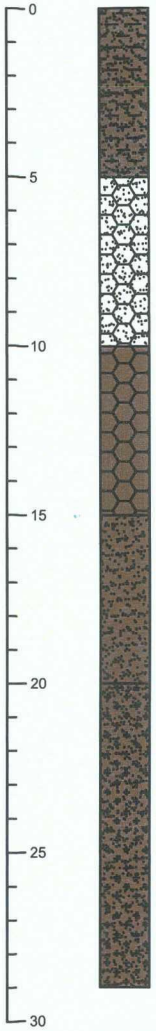
NOVA safety and environmental

NOVA Safety and Environmenta

CAD By: DGC	Checked By: TKC
May 15, 2008	

Soil Boring SB-4-07

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		0	None	None
10		1	None	None
15		1	None	None
20		1	None	None
25		1	None	None
TD 30		1	None	None



Soil Description

0 - 5' - Sandy clay, brown

5 - 10' - Caliche and sand layers

10 - 15' - Caliche - white buff - dusting brown sand at 15'

15 - 20' - Sand, brown

20 - 29' - Sand, brown with some rock fragments

Soil Boring Details

Date Drilled 11-28-07

Depth ofSoil Boring 29 ft

⬭ Indicates samples selected for Laboratory Analysis.

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

Completion Notes

1. The soil boring was installed on date using air rotary drilling techniques.
2. The lines between material types shown on the profile log represent approximat boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from below ground surface. (bgs)

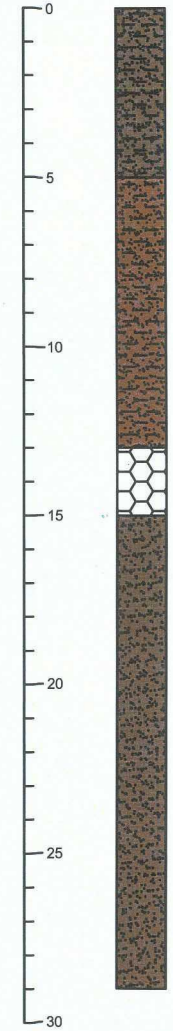
Soil Boring Log and Details
Soil Boring SB-4-07
Red Bryd Ranch Historical Lea County, New Mexico
Plains Marketing, L.P.

NOVA safety and environmental

NOVA Safety and Environmenta

CAD By: DGC	Checked By: TKC
May 15, 2008	

Soil Boring SB-5-07



Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
5		0	None	None
10		1	None	None
15		1	None	None
20		1	None	None
25		1	None	None
TD 30		4	None	None

Soil Description

0 - 5' - Sandy clay, brown

5 - 13' - Sandy clay - reddish brown

13 - 15' - Caliche buff, dusting

15 - 29' - Sand, brown

Soil Boring Details

Date Drilled 11-28-07

Depth ofSoil Boring 29 ft

⬭ Indicates samples selected for Laboratory Analysis.

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

Completion Notes

1. The soil boring was installed on date using air rotary drilling techniques.
2. The lines between material types shown on the profile log represent approximat boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from below ground surface. (bgs)

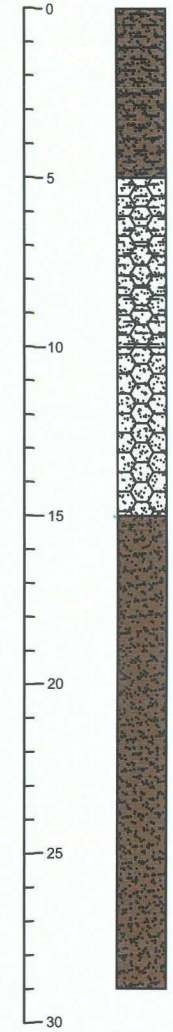
Soil Boring Log and Details
Soil Boring SB-5-07
Red Bryd Ranch Historical Lea County, New Mexico
Plains Marketing, L.P.

NOVA safety and environmental

NOVA Safety and Environmenta

CAD By: DGC	Checked By: TKC
May 15, 2008	

Soil Boring SB-6-07



PID Reading	Petroleum Odor	Petroleum Stain
0	None	None
1	None	None
1	None	None
1	None	None
5	None	None
TD 1	None	None

Soil Description

0 - 5' - Sandy clay, brown

5 - 10' - Sandy clay - caliche nodules

10 - 15' - Sand and streaks of caliche

15 - 29' - Sand, brown, fine grained, loose

Soil Boring Details

Date Drilled 11-28-07

Depth ofSoil Boring 29 ft

⬭ Indicates samples selected for Laboratory Analysis.

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

Completion Notes

1. The soil boring was installed on date using air rotary drilling techniques.
2. The lines between material types shown on the profile log represent approximat boundaries. Actual transitions may be gradual.
3. The depths indicated are referenced from below ground surface. (bgs)

Soil Boring Log and Details
Soil Boring SB-6-07
Red Bryd Ranch Historical Lea County, New Mexico
Plains Marketing, L.P.

NOVA safety and environmental

NOVA Safety and Environmenta

CAD By: DGC	Checked By: TKC
May 15, 2008	

APPENDIX C:
Letter to HRMB August 1991

August 16, 1991

Dear Sir:

This letter is to inform you of Climax Chemical Company's petition to the New Mexico Environment Department's Hazardous and Radioactive Materials Bureau (HRMB) requesting Alternate Concentration Limits for hazardous constituents present in the groundwater below the Climax Chemical facility west of Monument, New Mexico. Groundwater samples taken from the upper-most aquifer below Climax Chemical Company's Monument, New Mexico plant contain Cadmium, Silver, 1,1,1, Trichloroethylene and Ethylene Dichloride in concentrations above the safe drinking water standards. Climax Chemical has provided evidence that Alternate Concentration Limits should be granted because the contamination does not pose a threat to human health or the environment. The requested limits are above the safe drinking water standard and could pose a danger to human health should individuals drink, eat or inhale significant amounts of contaminated water or soils. The health of individuals who do not intend to use the groundwater or come in contact with it would not be threatened.

Climax Chemical Company's Monument, New Mexico plant is located three miles west of Monument, New Mexico in Lea County. The plant is a producer of hydrochloric acid and sodium sulfate. Immediately adjacent to and downgradient of Climax Chemical is the Warren Petroleum Company (Chevron) refinery. The upper-most aquifer beneath the refinery has been significantly impacted by hydrocarbon contamination. Due to past oil-field brine contamination of this same aquifer the Oil Conservation Division (OCD) of the New Mexico Energy Minerals and Natural Resources Department is only requiring the refinery to recover hydrocarbon product floating on top of the groundwater within the aquifer.

Climax Chemical Company's argument for granting the Alternate Concentration Limits is: "the water downgradient from Climax Chemical has been contaminated beyond usability by the petroleum industry through brine disposal and hydrocarbon leakage. The addition of Heavy Metal and Volatile Organic contamination above the safe drinking water standard as the Climax plume moves through this area will not adversely affect the usability of the aquifer, since it is already unusable without the effect of Climax's constituents."

At this time the HRMB has no evidence that landowners are using groundwater from the contaminated aquifer. Should you now be using or anticipate using groundwater from the upper-most aquifer beneath your property and have questions or comments concerning the petition for granting of Climax Chemical Company's petition request for Alternate Concentration Limits please contact Steve Alexander

at 827-2929 or write: New Mexico Environment Department, Hazardous and Radioactive Materials Bureau, 1190 Saint Francis Drive, P.O. Box 26110, Santa Fe, New Mexico, 87502, Attention: Steve Alexander. Please respond within thirty (30) days following receipt of this notification.

Sincerely,

Steven M. Alexander, Water Resources Specialist
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department

APPENDIX D:
Soil Laboratory Report and Chain-of-Custody Documentation

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Red Bryd Ranch and Historical

Project Number: SRS# Red Bryd Ranch & Historical

Location: Monumnt, NM

Lab Order Number: 7E31014

Report Date: 06/01/07

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PEW	7E31014-01	Soil	05/30/07 16:45	05-31-2007 10:20
PSEW	7E31014-02	Soil	05/30/07 16:53	05-31-2007 10:20
PNWW	7E31014-03	Soil	05/30/07 17:00	05-31-2007 10:20
PBNC	7E31014-04	Soil	05/30/07 17:02	05-31-2007 10:20
PBE	7E31014-05	Soil	05/30/07 17:07	05-31-2007 10:20
PSEW Low	7E31014-06	Soil	05/30/07 17:12	05-31-2007 10:20

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

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PEW (7E31014-01) Soil									
Carbon Ranges C6-C12	**1350**	100	mg/kg dry	10	EE73005	05/31/07	05/31/07	EPA 8015M	
Carbon Ranges C12-C28	**3580**	100	"	"	"	"	"	"	
Carbon Ranges C28-C35	**1000**	100	"	"	"	"	"	"	
Total Hydrocarbons	**5930**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*8.42 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*6.94 %*	*70-130*		"	"	"	"	*S-06*
PSEW (7E31014-02) Soil									
Carbon Ranges C6-C12	**1660**	50.0	mg/kg dry	5	EE73005	05/31/07	06/01/07	EPA 8015M	
Carbon Ranges C12-C28	**8510**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**1060**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**11200**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*18.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*22.8 %*	*70-130*		"	"	"	"	*S-06*
PNWW (7E31014-03) Soil									
Carbon Ranges C6-C12	**2890**	100	mg/kg dry	10	EE73005	05/31/07	06/01/07	EPA 8015M	
Carbon Ranges C12-C28	**14900**	100	"	"	"	"	"	"	
Carbon Ranges C28-C35	**2060**	100	"	"	"	"	"	"	
Total Hydrocarbons	**19800**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*11.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*15.1 %*	*70-130*		"	"	"	"	*S-06*
PBNC (7E31014-04) Soil									
Carbon Ranges C6-C12	**2270**	50.0	mg/kg dry	5	EE73005	05/31/07	06/01/07	EPA 8015M	
Carbon Ranges C12-C28	**5230**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**928**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**8430**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*13.9 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*22.0 %*	*70-130*		"	"	"	"	*S-06*

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PBE (7E31014-05) Soil									
Carbon Ranges C6-C12	**2370**	50.0	mg/kg dry	5	EE73005	05/31/07	06/01/07	EPA 8015M	
Carbon Ranges C12-C28	**4540**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**789**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**7700**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*24.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*21.0 %*	*70-130*		"	"	"	"	*S-06*
PSEW Low (7E31014-06) Soil									
Carbon Ranges C6-C12	**1420**	50.0	mg/kg dry	5	EE73005	05/31/07	06/01/07	EPA 8015M	
Carbon Ranges C12-C28	**5150**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**810**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**7380**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*20.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*24.0 %*	*70-130*		"	"	"	"	*S-06*

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PEW (7E31014-01) Soil									
% Moisture	**20.4**	0.1	%	1	EF70108	05/31/07	05/31/07	% calculation	
PSEW (7E31014-02) Soil									
% Moisture	**1.9**	0.1	%	1	EF70108	05/31/07	05/31/07	% calculation	
PNWW (7E31014-03) Soil									
% Moisture	**1.8**	0.1	%	1	EF70108	05/31/07	05/31/07	% calculation	
PBNC (7E31014-04) Soil									
% Moisture	**6.0**	0.1	%	1	EF70108	05/31/07	05/31/07	% calculation	
PBE (7E31014-05) Soil									
% Moisture	**8.6**	0.1	%	1	EF70108	05/31/07	05/31/07	% calculation	
PSEW Low (7E31014-06) Soil									
% Moisture	**4.9**	0.1	%	1	EF70108	05/31/07	05/31/07	% calculation	

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Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Red Bryd Ranch and Historical
Project Number: SRS# Red Bryd Ranch & Historical
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE73005 - Solvent Extraction (GC)										
Blank (EE73005-BLK1)				Prepared: 05/30/07 Analyzed: 05/31/07						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*55.8*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.8*		*"*	*50.0*		*104*	*70-130*			
LCS (EE73005-BS1)				Prepared: 05/30/07 Analyzed: 05/31/07						
Carbon Ranges C6-C12	613	10.0	mg/kg wet	500		123	75-125			
Carbon Ranges C12-C28	423	10.0	"	500		84.6	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1040	10.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	*64.2*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.2*		*"*	*50.0*		*126*	*70-130*			
Calibration Check (EE73005-CCV1)				Prepared: 05/30/07 Analyzed: 06/01/07						
Carbon Ranges C6-C12	221		mg/kg	250		88.4	80-120			
Carbon Ranges C12-C28	205		"	250		82.0	80-120			
Total Hydrocarbons	426		"	500		85.2	80-120			
Surrogate: 1-Chlorooctane	*63.9*		*"*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.9*		*"*	*50.0*		*130*	*70-130*			
Matrix Spike (EE73005-MS1)	**Source: 7E31001-01**			Prepared: 05/30/07 Analyzed: 06/01/07						
Carbon Ranges C6-C12	574	10.0	mg/kg dry	510	ND	113	75-125			
Carbon Ranges C12-C28	473	10.0	"	510	ND	92.7	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1050	10.0	"	1020	ND	103	75-125			
Surrogate: 1-Chlorooctane	*56.6*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.3*		*"*	*50.0*		*109*	*70-130*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Red Bryd Ranch and Historical
Project Number: SRS# Red Bryd Ranch & Historical
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE73005 - Solvent Extraction (GC)										
Matrix Spike Dup (EE73005-MSD1)	**Source: 7E31001-01**			Prepared: 05/30/07 Analyzed: 06/01/07						
Carbon Ranges C6-C12	549	10.0	mg/kg dry	510	ND	108	75-125	4.52	20	
Carbon Ranges C12-C28	416	10.0	"	510	ND	81.6	75-125	12.7	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	965	10.0	"	1020	ND	94.6	75-125	8.50	20	
Surrogate: 1-Chlorooctane	*53.4*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.7*		*"*	*50.0*		*105*	*70-130*			

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70108 - General Preparation (Prep)										
Blank (EF70108-BLK1)				Prepared & Analyzed: 05/31/07						
% Solids	100		%							
Duplicate (EF70108-DUP1)		**Source: 7E31001-01**		Prepared & Analyzed: 05/31/07						
% Solids	97.9		%		98.0			0.102	20	
Duplicate (EF70108-DUP2)		**Source: 7E31009-06**		Prepared & Analyzed: 05/31/07						
% Solids	95.6		%		94.7			0.946	20	
Duplicate (EF70108-DUP3)		**Source: 7E31013-01**		Prepared & Analyzed: 05/31/07						
% Solids	89.2		%		89.1			0.112	20	

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Red Bryd Ranch and Historical
Project Number: SRS# Red Bryd Ranch & Historical
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/1/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Rush

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Todd Choban 238-0061 cell

Company Name: Nova Training, Inc

Company Address: 2057 Commerce Dr

City/State/Zip: Midland Tx 79703

Telephone No: 432-520-7720

Fax No: 520-7701

Sampler Signature: Brittan K Byrd

Project Name: Red Byrd Ranch Historic

Project #: RBR TNM Historical

Project Loc: Monument NMex

PO #: RBR TNM Historical

283431

7E31014

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: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hr	Standard TAT
01	PEW	5-30-07	4:45	1	X									X		X										X	
02	PSEW	5-30-07	4:53	1	X									X		X											
03	PNWW	5-30-07	5:00	1	X									X		X											
04	PBNC	5-30-07	5:02	1	X									X		X											
05	PBE	5-30-07	5:07	1	X									X		X											
06	PSEW Low	5-30-07	5:12	1	X									X		X											

Gro/Dro

TCLP:
TOTAL:

Special Instructions: Bill to Plains
RBR TNM Historical

Relinquished by:	Date	Time	Received by:	Date	Time
Brittan K Byrd	5-31-07	9:20am	Todd Choban	5-31-07	9:20
Todd Choban	5-31-07	10:20	Received by ELOT: Andrea Lam	5-31-07	10:20

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 11.0
Laboratory Comments: 4oz glass

Call w/ results for verbal
Todd 432 238 0061

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Nova Training

Date/ Time: 5-31-07 10:30

Lab ID #: 7E31014

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	11.8 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	JC
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: #13, Not cold enough

Corrective Action Taken:

Check all that Apply:

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

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Red Bryd Ranch and Historical

Project Number: SRS# Red Bryd Ranch & Historical

Location: None Given

Lab Order Number: 7F01016

Report Date: 06/08/07

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E WALL E 8"	7F01016-01	Soil	06/01/07 13:12	06-01-2007 16:23
FLR East Exc.	7F01016-02	Soil	06/01/07 13:09	06-01-2007 16:23
FLR Ext Ecx.-1	7F01016-03	Soil	06/01/07 13:07	06-01-2007 16:23
FLR Ext Ecx.-2	7F01016-04	Soil	06/01/07 13:03	06-01-2007 16:23
W Wall 3'	7F01016-05	Soil	06/01/07 12:59	06-01-2007 16:23
W Wall 13'	7F01016-06	Soil	06/01/07 12:56	06-01-2007 16:23

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1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E WALL E 8" (7F01016-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.0 %*	*70-130*		"	"	"	"	
FLR East Exc. (7F01016-02) Soil									
Carbon Ranges C6-C12	**80.6**	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	**286**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**54.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**421**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*111 %*	*70-130*		"	"	"	"	
FLR Ext Ecx.-1 (7F01016-03) Soil									
Carbon Ranges C6-C12	**1320**	100	mg/kg dry	10	EF70516	06/05/07	06/07/07	EPA 8015M	
Carbon Ranges C12-C28	**2590**	100	"	"	"	"	"	"	
Carbon Ranges C28-C35	**360**	100	"	"	"	"	"	"	
Total Hydrocarbons	**4270**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*17.5 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*10.6 %*	*70-130*		"	"	"	"	*S-06*
FLR Ext Ecx.-2 (7F01016-04) Soil									
Carbon Ranges C6-C12	**1880**	50.0	mg/kg dry	5	EF70516	06/05/07	06/07/07	EPA 8015M	
Carbon Ranges C12-C28	**3710**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**447**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**6040**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*33.2 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*24.0 %*	*70-130*		"	"	"	"	*S-06*

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W Wall 3' (7F01016-05) Soil									
Carbon Ranges C6-C12	**12.2**	10.0	mg/kg dry	1	EF70516	06/05/07	06/07/07	EPA 8015M	
Carbon Ranges C12-C28	**75.6**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**16.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**104**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*118 %*	*70-130*		"	"	"	"	
W Wall 13' (7F01016-06) Soil									
Carbon Ranges C6-C12	**1810**	50.0	mg/kg dry	5	EF70516	06/05/07	06/07/07	EPA 8015M	
Carbon Ranges C12-C28	**3420**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**422**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**5650**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*32.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*21.6 %*	*70-130*		"	"	"	"	*S-06*

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
E WALL E 8" (7F01016-01) Soil									
% Moisture	**10.4**	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
FLR East Exc. (7F01016-02) Soil									
% Moisture	**8.5**	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
FLR Ext Ecx.-1 (7F01016-03) Soil									
% Moisture	**10.6**	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
FLR Ext Ecx.-2 (7F01016-04) Soil									
% Moisture	**8.1**	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
W Wall 3' (7F01016-05) Soil									
% Moisture	**12.0**	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
W Wall 13' (7F01016-06) Soil									
% Moisture	**7.5**	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70515 - Solvent Extraction (GC)										
Blank (EF70515-BLK1)				Prepared: 06/05/07 Analyzed: 06/07/07						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*46.2*		*mg/kg*	*50.0*		*92.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.6*		*"*	*50.0*		*87.2*	*70-130*			
LCS (EF70515-BS1)				Prepared & Analyzed: 06/05/07						
Carbon Ranges C6-C12	585	10.0	mg/kg wet	500		117	75-125			
Carbon Ranges C12-C28	415	10.0	"	500		83.0	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1000	10.0	"	1000		100	75-125			
Surrogate: 1-Chlorooctane	*46.7*		*mg/kg*	*50.0*		*93.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.1*		*"*	*50.0*		*80.2*	*70-130*			
Calibration Check (EF70515-CCV1)				Prepared: 06/05/07 Analyzed: 06/07/07						
Carbon Ranges C6-C12	256		mg/kg	250		102	80-120			
Carbon Ranges C12-C28	203		"	250		81.2	80-120			
Total Hydrocarbons	459		"	500		91.8	80-120			
Surrogate: 1-Chlorooctane	*50.1*		*"*	*50.0*		*100*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.6*		*"*	*50.0*		*99.2*	*70-130*			
Matrix Spike (EF70515-MS1)	**Source: 7F01011-04**			Prepared: 06/05/07 Analyzed: 06/06/07						
Carbon Ranges C6-C12	651	10.0	mg/kg dry	557	ND	117	75-125			
Carbon Ranges C12-C28	454	10.0	"	557	ND	81.5	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1110	10.0	"	1110	ND	100	75-125			
Surrogate: 1-Chlorooctane	*49.9*		*mg/kg*	*50.0*		*99.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.9*		*"*	*50.0*		*83.8*	*70-130*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: Red Bryd Ranch and Historical
Project Number: SRS# Red Bryd Ranch & Historical
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70515 - Solvent Extraction (GC)										
Matrix Spike Dup (EF70515-MSD1)	**Source: 7F01011-04**			Prepared: 06/05/07 Analyzed: 06/06/07						
Carbon Ranges C6-C12	676	10.0	mg/kg dry	557	ND	121	75-125	3.36	20	
Carbon Ranges C12-C28	466	10.0	"	557	ND	83.7	75-125	2.66	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1140	10.0	"	1110	ND	103	75-125	2.96	20	
Surrogate: 1-Chlorooctane	*51.9*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.0*		*"*	*50.0*		*80.0*	*70-130*			
Batch EF70516 - Solvent Extraction (GC)										
Blank (EF70516-BLK1)				Prepared: 06/05/07 Analyzed: 06/07/07						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*50.1*		*mg/kg*	*50.0*		*100*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.3*		*"*	*50.0*		*98.6*	*70-130*			
LCS (EF70516-BS1)				Prepared: 06/05/07 Analyzed: 06/07/07						
Carbon Ranges C6-C12	531	10.0	mg/kg wet	500		106	75-125			
Carbon Ranges C12-C28	416	10.0	"	500		83.2	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	946	10.0	"	1000		94.6	75-125			
Surrogate: 1-Chlorooctane	*54.6*		*mg/kg*	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.8*		*"*	*50.0*		*95.6*	*70-130*			
Calibration Check (EF70516-CCV1)				Prepared: 06/05/07 Analyzed: 06/08/07						
Carbon Ranges C6-C12	238		mg/kg wet	250		95.2	80-120			
Carbon Ranges C12-C28	202		"	250		80.8	80-120			
Total Hydrocarbons	440		"	500		88.0	80-120			
Surrogate: 1-Chlorooctane	*50.3*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*47.2*		*"*	*50.0*		*94.4*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70516 - Solvent Extraction (GC)										
Matrix Spike (EF70516-MS1)	**Source: 7F01016-05**			Prepared: 06/05/07 Analyzed: 06/08/07						
Carbon Ranges C6-C12	603	10.0	mg/kg dry	568	12.2	104	75-125			
Carbon Ranges C12-C28	493	10.0	"	568	75.6	73.5	75-125			M8
Carbon Ranges C28-C35	21.2	10.0	"	0.00	16.7		75-125			
Total Hydrocarbons	1120	10.0	"	1140	104	89.1	75-125			
Surrogate: 1-Chlorooctane	*56.2*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.9*		"	*50.0*		*124*	*70-130*			
Matrix Spike Dup (EF70516-MSD1)	**Source: 7F01016-05**			Prepared: 06/05/07 Analyzed: 06/08/07						
Carbon Ranges C6-C12	576	10.0	mg/kg dry	568	12.2	99.3	75-125	4.62	20	
Carbon Ranges C12-C28	506	10.0	"	568	75.6	75.8	75-125	3.08	20	
Carbon Ranges C28-C35	19.9	10.0	"	0.00	16.7		75-125		20	
Total Hydrocarbons	1100	10.0	"	1140	104	87.4	75-125	1.93	20	
Surrogate: 1-Chlorooctane	*60.8*		*mg/kg*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.2*		"	*50.0*		*114*	*70-130*			

Plains All American EH & S	Project: Red Bryd Ranch and Historical	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: SRS# Red Bryd Ranch & Historical	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF70406 - General Preparation (Prep)										
Blank (EF70406-BLK1)				Prepared & Analyzed: 06/02/07						
% Solids	100		%							
Duplicate (EF70406-DUP1)		**Source: 7F01011-01**		Prepared & Analyzed: 06/02/07						
% Solids	90.3		%		91.5			1.32	20	
Duplicate (EF70406-DUP2)		**Source: 7F01016-03**		Prepared & Analyzed: 06/02/07						
% Solids	88.4		%		89.4			1.12	20	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/8/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Skip Boca

Company Name: Nova Safety & Env

Company Address: 2057 Commerce Dr

City/State/Zip: Midland, Texas 79703

Telephone No: (432) 425-8329 Fax No:

Sampler Signature: Skip Boca e-mail: jlange@novatraining.cc

Project Name: Red Bird ~~Dust~~ Rch Ust

Project #: Red Bird Rch Ust

Project Loc:

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 283588

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: GW=Groundwater S=Soil/Solid SL=Sludge DW=Drinking Water NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M	TOTAL: TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	EWall E8"			6-1-07	1:12p		1	X								S	X											
02	FLR Cast Exc				1:09p		1																					
03	FLR Ext Exc-1				1:07p		1																					
04	FLR Ext Exc-2				1:03p		1																					
05	WWall 3'				12:59p		1																					
06	WWall 3'				12:56p		1																					

Special Instructions: Verbal Results by Tele

Relinquished by:	Date	Time	Received by:	Date	Time
Skip Boca	6/1/07	4:23p			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Kern	6/1/07	4:33

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 1.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Plains

Date/ Time: 6 10 7 4:23

Lab ID #: 7F0106

Initials: gc

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	Yes	No	1.5 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

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

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 | Lubbock, Texas 79424 | 800•378•1296 | 806•794•1296 | FAX 806•794•1298
200 East Sunset Road, Suite E | El Paso, Texas 79922 | 888•588•3443 | 915•585•3443 | FAX 915•585•4944
5002 Basin Street, Suite A1 | Midland, Texas 79703 | | 432•689•6301 | FAX 432•689•6313
6015 Harris Parkway, Suite 110 | Ft. Worth, Texas 76132 | | 817•201•5260 |
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: June 18, 2007

Work Order: 7060718

Project Location: Monument, NM
Project Name: Red Byrd Ranch - TNM Historical
Project Number: Red Byrd Ranch - TNM Historical

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
126676	T-1 Bottom @ 10'	soil	2007-06-05	14:20	2007-06-07
126677	PNEW	soil	2007-06-06	14:00	2007-06-07
126678	PBC	soil	2007-06-06	14:10	2007-06-07
126679	PSWW	soil	2007-06-06	14:20	2007-06-07
126680	PWW	soil	2007-06-06	14:30	2007-06-07
126681	SPE	soil	2007-06-06	15:05	2007-06-07
126682	SPS	soil	2007-06-06	15:00	2007-06-07
126683	SPN	soil	2007-06-06	15:10	2007-06-07
126684	SPW	soil	2007-06-06	15:15	2007-06-07
126685	T-2 WBH @ 8'	soil	2007-06-06	12:00	2007-06-07
126686	T-2 EBH @ 8'	soil	2007-06-06	12:05	2007-06-07

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

Standard Flags

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

Case Narrative

Samples for project Red Byrd Ranch - TNM Historical were received by TraceAnalysis, Inc. on 2007-06-07 and assigned to work order 7060718. Samples for work order 7060718 were received intact at a temperature of 3 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
TPH DRO	Mod. 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7060718 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 126676 - T-1 Bottom @ 10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

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		131	mg/Kg	1	150	87	32.9 - 167

Sample: 126676 - T-1 Bottom @ 10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.783	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.920	mg/Kg	1	1.00	92	67.5 - 140.3

Sample: 126677 - PNEW

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	150	81	32.9 - 167

Sample: 126677 - PNEW

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.786	mg/Kg	1	1.00	79	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.904	mg/Kg	1	1.00	90	67.5 - 140.3

Sample: 126678 - PBC

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**3290**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		222	mg/Kg	1	150	148	32.9 - 167

Sample: 126678 - PBC

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38219	Date Analyzed:	2007-06-15	Analyzed By:	KB
Prep Batch:	33088	Sample Preparation:	2007-06-15	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1230**	mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.936	mg/Kg	20	1.00	94	33.2 - 160
4-Bromofluorobenzene (4-BFB)		1.76	mg/Kg	20	1.00	176	10 - 227

Sample: 126679 - PSWW

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**2830**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		231	mg/Kg	1	150	154	32.9 - 167

Sample: 126679 - PSWW

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**272**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3.71	mg/Kg	5	5.00	74	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[1]	11.7	mg/Kg	5	5.00	234	67.5 - 140.3

Sample: 126680 - PWW

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**128**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		126	mg/Kg	1	150	84	32.9 - 167

Sample: 126680 - PWW

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**7.64**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.776	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.998	mg/Kg	1	1.00	100	67.5 - 140.3

[1] High surrogate recovery due to peak interference.

Sample: 126681 - SPE

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**183**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		126	mg/Kg	1	150	84	32.9 - 167

Sample: 126681 - SPE

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**28.2**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.784	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[2]	1.42	mg/Kg	1	1.00	142	67.5 - 140.3

Sample: 126682 - SPS

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**526**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	150	72	32.9 - 167

Sample: 126682 - SPS

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

[2]High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**66.6**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.714	mg/Kg	1	1.00	71	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[3]	3.32	mg/Kg	1	1.00	332	67.5 - 140.3

Sample: 126683 - SPN

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**489**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		110	mg/Kg	1	150	73	32.9 - 167

Sample: 126683 - SPN

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38219	Date Analyzed:	2007-06-15	Analyzed By:	KB
Prep Batch:	33088	Sample Preparation:	2007-06-15	Prepared By:	KB

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**71.1**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.957	mg/Kg	10	1.00	96	33.2 - 160
4-Bromofluorobenzene (4-BFB)		1.91	mg/Kg	10	1.00	191	10 - 227

Sample: 126684 - SPW

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**133**	mg/Kg	1	50.0

[3]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	150	72	32.9 - 167

Sample: 126684 - SPW

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**56.4**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.702	mg/Kg	1	1.00	70	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[4]	2.84	mg/Kg	1	1.00	284	67.5 - 140.3

Sample: 126685 - T-2 WBH @ 8'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

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		111	mg/Kg	1	150	74	32.9 - 167

Sample: 126685 - T-2 WBH @ 8'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**6.79**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.774	mg/Kg	1	1.00	77	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.948	mg/Kg	1	1.00	95	67.5 - 140.3

[4]High surrogate recovery due to peak interference.

Sample: 126686 - T-2 EBH @ 8'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	Sample Preparation:	2007-06-08	Prepared By:	AG

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		111	mg/Kg	1	150	74	32.9 - 167

Sample: 126686 - T-2 EBH @ 8'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	Sample Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**3.24**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.774	mg/Kg	1	1.00	77	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.935	mg/Kg	1	1.00	94	67.5 - 140.3

Method Blank (1) QC Batch: 38003

QC Batch:	38003	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32909	QC Preparation:	2007-06-08	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		177	mg/Kg	1	150	118	44.7 - 133.6

Method Blank (1) QC Batch: 38006

QC Batch:	38006	Date Analyzed:	2007-06-08	Analyzed By:	AG
Prep Batch:	32868	QC Preparation:	2007-06-08	Prepared By:	JW

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.876	mg/Kg	1	1.00	88	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.835	mg/Kg	1	1.00	84	67.5 - 140.3

Method Blank (1) QC Batch: 38219

QC Batch: 38219 Date Analyzed: 2007-06-15 Analyzed By: KB
Prep Batch: 33088 QC Preparation: 2007-06-15 Prepared By: KB

Parameter	Flag	MDL Result	Units	RL
GRO		<0.459	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.10	mg/Kg	1	1.00	110	73.2 - 125
4-Bromofluorobenzene (4-BFB)		0.873	mg/Kg	1	1.00	87	51.9 - 110

Laboratory Control Spike (LCS-1)

QC Batch: 38003 Date Analyzed: 2007-06-08 Analyzed By: AG
Prep Batch: 32909 QC Preparation: 2007-06-08 Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	318	mg/Kg	1	250	<14.6	127	47.5 - 144.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	298	mg/Kg	1	250	<14.6	119	47.5 - 144.1	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	122	122	mg/Kg	1	150	81	81	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 38006 Date Analyzed: 2007-06-08 Analyzed By: AG
Prep Batch: 32868 QC Preparation: 2007-06-08 Prepared By: JW

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.39	mg/Kg	1	10.0	<0.739	94	57.7 - 102.5

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.48	mg/Kg	1	10.0	<0.739	95	57.7 - 102.5	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.03	1.10	mg/Kg	1	1.00	103	110	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.996	0.989	mg/Kg	1	1.00	100	99	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 38219 | Date Analyzed: 2007-06-15 | Analyzed By: KB
Prep Batch: 33088 | QC Preparation: 2007-06-15 | Prepared By: KB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.28	mg/Kg	1	10.0	<0.459	93	79.6 - 113

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.41	mg/Kg	1	10.0	<0.459	94	79.6 - 113	1	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)	0.934	0.956	mg/Kg	1	1.00	93	96	77.1 - 117
4-Bromofluorobenzene (4-BFB)	0.947	0.963	mg/Kg	1	1.00	95	96	78.1 - 118

Matrix Spike (MS-1) Spiked Sample: 126586

QC Batch: 38003 | Date Analyzed: 2007-06-08 | Analyzed By: AG
Prep Batch: 32909 | QC Preparation: 2007-06-08 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	238	mg/Kg	1	250	<14.6	95	11.7 - 152.3

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	278	mg/Kg	1	250	<14.6	111	11.7 - 152.3	16	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	124	126	mg/Kg	1	150	83	84	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 126588

QC Batch: 38006 | Date Analyzed: 2007-06-08 | Analyzed By: AG
Prep Batch: 32868 | QC Preparation: 2007-06-08 | Prepared By: JW

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	5.77	mg/Kg	1	10.0	<0.739	58	10 - 141.5

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	6.62	mg/Kg	1	10.0	<0.739	66	10 - 141.5	14	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)	0.697	0.694	mg/Kg	1	1	70	69	40 - 125.3
4-Bromofluorobenzene (4-BFB)	0.964	0.971	mg/Kg	1	1	96	97	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 127454

QC Batch: 38219 | Date Analyzed: 2007-06-15 | Analyzed By: KB
Prep Batch: 33088 | QC Preparation: 2007-06-15 | Prepared By: KB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.53	mg/Kg	1	10.0	<0.459	75	40.7 - 157

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.98	mg/Kg	1	10.0	<0.459	80	40.7 - 157	6	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)	0.790	0.828	mg/Kg	1	1	79	83	34.9 - 155
4-Bromofluorobenzene (4-BFB)	0.891	0.948	mg/Kg	1	1	89	95	58.5 - 153

Standard (ICV-1)

QC Batch: 38003 | Date Analyzed: 2007-06-08 | Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	244	98	85 - 115	2007-06-08

Standard (CCV-1)

QC Batch: 38003 Date Analyzed: 2007-06-08 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	272	109	85 - 115	2007-06-08

Standard (CCV-2)

QC Batch: 38003 Date Analyzed: 2007-06-08 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	264	106	85 - 115	2007-06-08

Standard (ICV-1)

QC Batch: 38006 Date Analyzed: 2007-06-08 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.888	89	85 - 115	2007-06-08

Standard (CCV-1)

QC Batch: 38006 Date Analyzed: 2007-06-08 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.912	91	85 - 115	2007-06-08

Standard (ICV-1)

QC Batch: 38219 Date Analyzed: 2007-06-15 Analyzed By: KB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.968	97	85 - 115	2007-06-15

Standard (CCV-1)

QC Batch: 38219 Date Analyzed: 2007-06-15 Analyzed By: KB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.977	98	85 - 115	2007-06-15

LAB Order ID # 7060718 Page 1 of 1

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Project #: RED BYRD RANCH - TNM HISTORICAL
Project Name: (SAME)
Project Location (including state): MONUMENT, NM
Sampler Signature: [signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

Analysis columns: MTBE 8021B / 602 / 8260B / 624; BTEX 8021B / 602 / 8260B / 624 (8021B circled; "8021" written); TPH 418.1 / TX1005 / TX1005 Ext(C35); TPH 8015 GRO / DRO / TVHC (8015 GRO / DRO circled; "8015" written); PAH 8270C / 625; 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

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 (2007)	TIME	TPH 8015 GRO/DRO
126676	T-1 BOTTOM @ 10'	1	4oz		X							X		6/5	14:20	↓
77	PNEW	1	4oz		X							X		6/6	14:00	↓
78	PBC	↓	↓		↓							↓		↓	14:10	↓
79	PSWW	↓	↓		↓							↓		↓	14:20	↓
80	PWW	↓	↓		↓							↓		↓	14:30	↓
81	SPE	↓	↓		↓							↓		↓	15:05	↓
82	SPS	↓	↓		↓							↓		↓	15:00	↓
83	SPN	↓	↓		↓							↓		↓	15:10	↓
84	SPW	↓	↓		↓							↓		↓	15:15	↓
85	T-2 WBH @ 8'	↓	↓		↓							↓		↓	12:00	↓
86	T-2 EBH @ 8'	↓	↓		↓							↓		↓	12:05	↓

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	6/7/07	8:25	Skip Baca	6/7/07	8:26A
Skip Baca	6/7/07	8:27A			
			Received at Laboratory by: [signature]	6/7/07	8:27

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 1°
Log-in-Review [initials]

REMARKS: all tests - midland

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

Carrier # carry-in

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

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Analytical and Quality Control Report

Julie Koonce
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: July 2, 2007

Work Order: 7062721

Project Location: Monument, NM
Project Name: Red Byrd Ranch - TNM Historical
Project Number: Red Byrd Ranch - TNM Historical

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
128664	PNW	soil	2007-06-25	13:50	2007-06-27

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 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Analytical Report

Sample: 128664 - PNW

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	38661	Date Analyzed:	2007-06-28	Analyzed By:	
Prep Batch:	33456	Sample Preparation:	2007-06-28	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**3250**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		206	mg/Kg	1	150	137	32.9 - 167

Sample: 128664 - PNW

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38680	Date Analyzed:	2007-07-01	Analyzed By:	AG
Prep Batch:	33478	Sample Preparation:	2007-07-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**227**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3.49	mg/Kg	5	5.00	70	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)	[1]	12.9	mg/Kg	5	5.00	258	67.5 - 140.3

Method Blank (1) QC Batch: 38661

QC Batch:	38661	Date Analyzed:	2007-06-28	Analyzed By:	
Prep Batch:	33456	QC Preparation:	2007-06-28	Prepared By:	

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		147	mg/Kg	1	150	98	44.7 - 133.6

Method Blank (1) QC Batch: 38680

QC Batch:	38680	Date Analyzed:	2007-07-01	Analyzed By:	AG
Prep Batch:	33478	QC Preparation:	2007-07-01	Prepared By:	AG

[1] High surrogate recovery due to peak interference.

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.762	mg/Kg	1	1.00	76	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.682	mg/Kg	1	1.00	68	67.5 - 140.3

Laboratory Control Spike (LCS-1)

QC Batch: 38661 | Date Analyzed: 2007-06-28 | Analyzed By:
Prep Batch: 33456 | QC Preparation: 2007-06-28 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	156	mg/Kg	1	250	<14.6	62	47.5 - 144.1

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	184	mg/Kg	1	250	<14.6	74	47.5 - 144.1	16	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	109	110	mg/Kg	1	150	73	73	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 38680 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.40	mg/Kg	1	10.0	<0.739	94	57.7 - 102.5

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.52	mg/Kg	1	10.0	<0.739	85	57.7 - 102.5	10	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.03	0.932	mg/Kg	1	1.00	103	93	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.854	0.775	mg/Kg	1	1.00	85	78	70 - 130

Matrix Spike (MS-1) Spiked Sample: 128581

QC Batch: 38661 | Date Analyzed: 2007-06-28 | Analyzed By:
Prep Batch: 33456 | QC Preparation: 2007-06-28 | Prepared By:

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	283	mg/Kg	1	250	<14.6	113	11.7 - 152.3

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	208	mg/Kg	1	250	<14.6	83	11.7 - 152.3	30	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	153	119	mg/Kg	1	150	102	79	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 128584

QC Batch: 38680 | Date Analyzed: 2007-07-01 | Analyzed By: AG
Prep Batch: 33478 | QC Preparation: 2007-07-01 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.63	mg/Kg	1	10.0	2.5	51	10 - 141.5

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.45	mg/Kg	1	10.0	2.5	50	10 - 141.5	2	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)	0.569	0.592	mg/Kg	1	1	57	59	40 - 125.3
4-Bromofluorobenzene (4-BFB) [2]	0.914	0.860	mg/Kg	1	1	91	86	86.7 - 144.5

Standard (CCV-1)

QC Batch: 38661 | Date Analyzed: 2007-06-28 | Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	236	94	85 - 115	2007-06-28

[2]Surrogate out due to peak interference.

Standard (CCV-2)

QC Batch: 38661 Date Analyzed: 2007-06-28 Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	230	92	85 - 115	2007-06-28

Standard (ICV-1)

QC Batch: 38680 Date Analyzed: 2007-07-01 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.02	102	85 - 115	2007-07-01

Standard (CCV-1)

QC Batch: 38680 Date Analyzed: 2007-07-01 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2007-07-01

LAB Order ID # ~~60~~ 7062721 Page 1 of 1

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Address: (Street, City, Zip) 2057 COMMERCE MIDLAND Fax #: 432-520-7701

Contact Person: WRT STANLEY E-mail: JLOONCE@NOVATRAINING.COM

Invoice to: (If different from above) PLAINS

Project #: RED BYRD RANCH - TNM HISTORICAL Project Name: (SAME)

Project Location (including state): MONUMENT, NM 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	TIME
128464	PNW	1	4oz		X							X		6/25/07	11:50

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	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:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Date: Time:

Relinquished by: Date: 6/27/06 Time: 13:00

Received at Laboratory by: Date: 6/27/07 Time: 13:00

LAB USE ONLY

Intact (Y) N

Headspace Y / N

Temp 3.7 °

Log-in-Review NK

REMARKS: all tests - midland

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

Carrier # carry-in

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

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Analytical and Quality Control Report

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

Report Date: December 10, 2007

Work Order: 7112916

Project Location: Monument, NM
Project Name: Red Byrd Ranch - TNM Historical
Project Number: Red Byrd Ranch - TNM Historical

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
143908	SB1-07-10'	soil	2007-11-28	09:00	2007-11-29
143909	SB1-07-20'	soil	2007-11-28	09:10	2007-11-29
143910	SB2-07-10'	soil	2007-11-28	09:50	2007-11-29
143911	SB2-07-20'	soil	2007-11-28	10:00	2007-11-29
143912	SB3-07-10'	soil	2007-11-28	10:35	2007-11-29
143913	SB3-07-20'	soil	2007-11-28	10:45	2007-11-29
143914	SB3-07-29'	soil	2007-11-28	10:55	2007-11-29
143915	SB4-07-10'	soil	2007-11-28	13:10	2007-11-29
143916	SB4-07-20'	soil	2007-11-28	13:20	2007-11-29
143917	SB4-07-29'	soil	2007-11-28	13:45	2007-11-29
143918	SB5-07-10'	soil	2007-11-28	14:45	2007-11-29
143919	SB5-07-20'	soil	2007-11-28	14:55	2007-11-29
143920	SB5-07-29'	soil	2007-11-28	15:10	2007-11-29
143921	SB6-07-10'	soil	2007-11-28	16:50	2007-11-29
143922	SB6-07-20'	soil	2007-11-28	17:05	2007-11-29
143923	SB6-07-29'	soil	2007-11-28	17:20	2007-11-29

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

Standard Flags

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

Analytical Report

Sample: 143908 - SB1-07-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	150	81	17.3 - 169.6

Sample: 143908 - SB1-07-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.892	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.916	mg/Kg	1	1.00	92	70 - 130

Sample: 143909 - SB1-07-20'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	43487	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100
Toluene		**0.0399**	mg/Kg	2	0.0100
Ethylbenzene		**0.0926**	mg/Kg	2	0.0100
Xylene		**0.0661**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.83	mg/Kg	2	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	2	2.00	96	70 - 130

Sample: 143909 - SB1-07-20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**760**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		218	mg/Kg	1	150	145	17.3 - 169.6

Sample: 143909 - SB1-07-20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**104**		mg/Kg	2	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.76	mg/Kg	2	2.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		2.32	mg/Kg	2	2.00	116	70 - 130

Sample: 143910 - SB2-07-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	150	81	17.3 - 169.6

Sample: 143910 - SB2-07-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	B	**1.12**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.889	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.976	mg/Kg	1	1.00	98	70 - 130

Sample: 143911 - SB2-07-20'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	43487	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0500	mg/Kg	5	0.0100
Toluene		**0.250**	mg/Kg	5	0.0100
Ethylbenzene		**0.249**	mg/Kg	5	0.0100
Xylene		**0.808**	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.35	mg/Kg	5	5.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)		5.10	mg/Kg	5	5.00	102	70 - 130

Sample: 143911 - SB2-07-20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**2000**	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		129	mg/Kg	5	150	86	17.3 - 169.6

Sample: 143911 - SB2-07-20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**426**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.30	mg/Kg	5	5.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)	[1]	6.95	mg/Kg	5	5.00	139	70 - 130

Sample: 143912 - SB3-07-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		130	mg/Kg	1	150	87	17.3 - 169.6

Sample: 143912 - SB3-07-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO	*B*	**3.09**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.895	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.971	mg/Kg	1	1.00	97	70 - 130

Sample: 143913 - SB3-07-20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		117	mg/Kg	1	150	78	17.3 - 169.6

[1]High surrogate recovery due to peak interference.

Sample: 143913 - SB3-07-20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.893	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.929	mg/Kg	1	1.00	93	70 - 130

Sample: 143914 - SB3-07-29'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	43487	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.898	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.928	mg/Kg	1	1.00	93	70 - 130

Sample: 143914 - SB3-07-29'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**152**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		149	mg/Kg	1	150	99	17.3 - 169.6

Sample: 143914 - SB3-07-29'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**11.8**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.889	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	70 - 130

Sample: 143915 - SB4-07-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		125	mg/Kg	1	150	83	17.3 - 169.6

Sample: 143915 - SB4-07-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.903	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		0.944	mg/Kg	1	1.00	94	70 - 130

Sample: 143916 - SB4-07-20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43691	Date Analyzed:	2007-12-07	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		120	mg/Kg	1	150	80	17.3 - 169.6

Sample: 143916 - SB4-07-20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	Sample Preparation:	2007-11-29	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.892	mg/Kg	1	1.00	89	70 - 130
4-Bromofluorobenzene (4-BFB)		0.931	mg/Kg	1	1.00	93	70 - 130

Sample: 143917 - SB4-07-29'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	43618	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.21	mg/Kg	1	1.00	121	70 - 130
4-Bromofluorobenzene (4-BFB)		0.854	mg/Kg	1	1.00	85	70 - 130

Sample: 143917 - SB4-07-29'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		144	mg/Kg	1	150	96	17.3 - 169.6

Sample: 143917 - SB4-07-29'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.911	mg/Kg	1	1.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.922	mg/Kg	1	1.00	92	70 - 130

Sample: 143918 - SB5-07-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		136	mg/Kg	1	150	91	17.3 - 169.6

Sample: 143918 - SB5-07-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.923	mg/Kg	1	1.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		0.932	mg/Kg	1	1.00	93	70 - 130

Sample: 143919 - SB5-07-20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		136	mg/Kg	1	150	91	17.3 - 169.6

Sample: 143919 - SB5-07-20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.920	mg/Kg	1	1.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		0.933	mg/Kg	1	1.00	93	70 - 130

Sample: 143920 - SB5-07-29'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	43618	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.20	mg/Kg	1	1.00	120	70 - 130
4-Bromofluorobenzene (4-BFB)		0.858	mg/Kg	1	1.00	86	70 - 130

Sample: 143920 - SB5-07-29'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		162	mg/Kg	1	150	108	17.3 - 169.6

Sample: 143920 - SB5-07-29'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.919	mg/Kg	1	1.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		0.930	mg/Kg	1	1.00	93	70 - 130

Sample: 143921 - SB6-07-10'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		135	mg/Kg	1	150	90	17.3 - 169.6

Sample: 143921 - SB6-07-10'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.913	mg/Kg	1	1.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.923	mg/Kg	1	1.00	92	70 - 130

Sample: 143922 - SB6-07-20'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		132	mg/Kg	1	150	88	17.3 - 169.6

Sample: 143922 - SB6-07-20'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.919	mg/Kg	1	1.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)		0.931	mg/Kg	1	1.00	93	70 - 130

Sample: 143923 - SB6-07-29'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	43618	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.19	mg/Kg	1	1.00	119	70 - 130
4-Bromofluorobenzene (4-BFB)		0.849	mg/Kg	1	1.00	85	70 - 130

Sample: 143923 - SB6-07-29'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	43692	Date Analyzed:	2007-12-08	Analyzed By:	AG
Prep Batch:	37678	Sample Preparation:	2007-12-07	Prepared By:	AG

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		137	mg/Kg	1	150	91	17.3 - 169.6

Sample: 143923 - SB6-07-29'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	43619	Date Analyzed:	2007-12-05	Analyzed By:	DC
Prep Batch:	37578	Sample Preparation:	2007-12-04	Prepared By:	DC

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.912	mg/Kg	1	1.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.920	mg/Kg	1	1.00	92	70 - 130

Method Blank (1) QC Batch: 43475

QC Batch:	43475	Date Analyzed:	2007-11-29	Analyzed By:	DC
Prep Batch:	37494	QC Preparation:	2007-11-29	Prepared By:	DC

Parameter	Flag	MDL Result	Units	RL
GRO		0.527	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.939	mg/Kg	1	1.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)		0.924	mg/Kg	1	1.00	92	70 - 130

Method Blank (1) QC Batch: 43487

QC Batch: 43487 | Date Analyzed: 2007-11-29 | Analyzed By: DC
Prep Batch: 37494 | QC Preparation: 2007-11-29 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00300	mg/Kg	0.01
Toluene		<0.00300	mg/Kg	0.01
Ethylbenzene		<0.00400	mg/Kg	0.01
Xylene		<0.0140	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.952	mg/Kg	1	1.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)		0.950	mg/Kg	1	1.00	95	70 - 130

Method Blank (1) QC Batch: 43618

QC Batch: 43618 | Date Analyzed: 2007-12-05 | Analyzed By: DC
Prep Batch: 37578 | QC Preparation: 2007-12-04 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00300	mg/Kg	0.01
Toluene		<0.00300	mg/Kg	0.01
Ethylbenzene		<0.00400	mg/Kg	0.01
Xylene		<0.0140	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.20	mg/Kg	1	1.00	120	70 - 130
4-Bromofluorobenzene (4-BFB)		0.850	mg/Kg	1	1.00	85	70 - 130

Method Blank (1) QC Batch: 43619

QC Batch: 43619 | Date Analyzed: 2007-12-05 | Analyzed By: DC
Prep Batch: 37578 | QC Preparation: 2007-12-04 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
GRO		0.585	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.953	mg/Kg	1	1.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)		0.936	mg/Kg	1	1.00	94	70 - 130

Method Blank (1) QC Batch: 43691

QC Batch: 43691 | Date Analyzed: 2007-12-07 | Analyzed By: AG
Prep Batch: 37678 | QC Preparation: 2007-12-07 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
DRO		<13.4	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		129	mg/Kg	1	150	86	32.9 - 156.1

Method Blank (1) QC Batch: 43692

QC Batch: 43692 | Date Analyzed: 2007-12-08 | Analyzed By: AG
Prep Batch: 37678 | QC Preparation: 2007-12-07 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
DRO		<13.4	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		153	mg/Kg	1	150	102	32.9 - 156.1

Laboratory Control Spike (LCS-1)

QC Batch: 43475 | Date Analyzed: 2007-11-29 | Analyzed By: DC
Prep Batch: 37494 | QC Preparation: 2007-11-29 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.36	mg/Kg	1	10.0	<0.0118	84	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.96	mg/Kg	1	10.0	<0.0118	80	70 - 130	5	

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)	0.985	0.985	mg/Kg	1	1.00	98	98	70 - 130
4-Bromofluorobenzene (4-BFB)	0.959	0.962	mg/Kg	1	1.00	96	96	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43487 | Date Analyzed: 2007-11-29 | Analyzed By: DC
Prep Batch: 37494 | QC Preparation: 2007-11-29 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.826	mg/Kg	1	1.00	<0.00300	83	70 - 130
Toluene	0.808	mg/Kg	1	1.00	<0.00300	81	70 - 130
Ethylbenzene	0.792	mg/Kg	1	1.00	<0.00400	79	70 - 130
Xylene	2.36	mg/Kg	1	3.00	<0.0140	79	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.809	mg/Kg	1	1.00	<0.00300	81	70 - 130	2	
Toluene	0.807	mg/Kg	1	1.00	<0.00300	81	70 - 130	0	
Ethylbenzene	0.812	mg/Kg	1	1.00	<0.00400	81	70 - 130	2	
Xylene	2.44	mg/Kg	1	3.00	<0.0140	81	70 - 130	3	

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)	0.974	0.954	mg/Kg	1	1.00	97	95	70 - 130
4-Bromofluorobenzene (4-BFB)	0.948	0.978	mg/Kg	1	1.00	95	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43618 | Date Analyzed: 2007-12-05 | Analyzed By: DC
Prep Batch: 37578 | QC Preparation: 2007-12-04 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.21	mg/Kg	1	1.00	<0.00300	121	70 - 130
Toluene	1.21	mg/Kg	1	1.00	<0.00300	121	70 - 130
Ethylbenzene	1.19	mg/Kg	1	1.00	<0.00400	119	70 - 130
Xylene	3.54	mg/Kg	1	3.00	<0.0140	118	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.24	mg/Kg	1	1.00	<0.00300	124	70 - 130	2	
Toluene	1.24	mg/Kg	1	1.00	<0.00300	124	70 - 130	2	
Ethylbenzene	1.23	mg/Kg	1	1.00	<0.00400	123	70 - 130	3	
Xylene	3.67	mg/Kg	1	3.00	<0.0140	122	70 - 130	4	

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.20	1.21	mg/Kg	1	1.00	120	121	70 - 130
4-Bromofluorobenzene (4-BFB)	0.859	0.861	mg/Kg	1	1.00	86	86	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43619 | Date Analyzed: 2007-12-05 | Analyzed By: DC
Prep Batch: 37578 | QC Preparation: 2007-12-04 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.59	mg/Kg	1	10.0	<0.0118	86	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.54	mg/Kg	1	10.0	<0.0118	85	70 - 130	1	

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)	1.02	1.02	mg/Kg	1	1.00	102	102	70 - 130
4-Bromofluorobenzene (4-BFB)	0.991	1.00	mg/Kg	1	1.00	99	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43691 | Date Analyzed: 2007-12-07 | Analyzed By: AG
Prep Batch: 37678 | QC Preparation: 2007-12-07 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	225	mg/Kg	1	250	<13.4	90	49.1 - 142.3

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	251	mg/Kg	1	250	<13.4	100	49.1 - 142.3	11	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	138	mg/Kg	1	150	83	92	49 - 133.2

Laboratory Control Spike (LCS-1)

QC Batch: 43692 | Date Analyzed: 2007-12-08 | Analyzed By: AG
Prep Batch: 37678 | QC Preparation: 2007-12-07 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	245	mg/Kg	1	250	<13.4	98	49.1 - 142.3

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	269	mg/Kg	1	250	<13.4	108	49.1 - 142.3	9	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	147	165	mg/Kg	1	150	98	110	49 - 133.2

Matrix Spike (MS-1) Spiked Sample: 143897

QC Batch: 43475 | Date Analyzed: 2007-11-29 | Analyzed By: DC
Prep Batch: 37494 | QC Preparation: 2007-11-29 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.71	mg/Kg	1	10.0	<0.0118	97	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	11.1	mg/Kg	1	10.0	<0.0118	111	70 - 130	13	

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)	0.793	0.878	mg/Kg	1	1	79	88	70 - 130
4-Bromofluorobenzene (4-BFB)	0.956	0.966	mg/Kg	1	1	96	97	70 - 130

Matrix Spike (MS-1) Spiked Sample: 143897

QC Batch: 43487 | Date Analyzed: 2007-11-29 | Analyzed By: DC
Prep Batch: 37494 | QC Preparation: 2007-11-29 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.800	mg/Kg	1	1.00	<0.00300	80	70 - 130
Toluene	0.798	mg/Kg	1	1.00	<0.00300	80	70 - 130
Ethylbenzene	0.798	mg/Kg	1	1.00	<0.00400	80	70 - 130
Xylene	2.40	mg/Kg	1	3.00	<0.0140	80	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.802	mg/Kg	1	1.00	<0.00300	80	70 - 130	0	
Toluene	0.814	mg/Kg	1	1.00	<0.00300	81	70 - 130	2	
Ethylbenzene	0.826	mg/Kg	1	1.00	<0.00400	83	70 - 130	3	
Xylene	2.49	mg/Kg	1	3.00	<0.0140	83	70 - 130	4	

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)	0.910	0.893	mg/Kg	1	1	91	89	70 - 130
4-Bromofluorobenzene (4-BFB)	0.904	0.920	mg/Kg	1	1	90	92	70 - 130

Matrix Spike (MS-1) Spiked Sample: 143917

QC Batch: 43618 | Date Analyzed: 2007-12-05 | Analyzed By: DC
Prep Batch: 37578 | QC Preparation: 2007-12-04 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.27	mg/Kg	1	1.00	<0.00300	127	70 - 130
Toluene	1.29	mg/Kg	1	1.00	<0.00300	129	70 - 130
Ethylbenzene	1.30	mg/Kg	1	1.00	<0.00400	130	70 - 130
Xylene	3.91	mg/Kg	1	3.00	<0.0140	130	70 - 130

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[2]	1.31	mg/Kg	1	1.00	<0.00300	131	70 - 130	3	
Toluene	[3]	1.33	mg/Kg	1	1.00	<0.00300	133	70 - 130	3	
Ethylbenzene	[4]	1.37	mg/Kg	1	1.00	<0.00400	137	70 - 130	5	
Xylene	[5]	4.10	mg/Kg	1	3.00	<0.0140	136	70 - 130	5	

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)	1.13	1.12	mg/Kg	1	1	113	112	70 - 130
4-Bromofluorobenzene (4-BFB)	0.847	0.836	mg/Kg	1	1	85	84	70 - 130

Matrix Spike (MS-1) Spiked Sample: 143918

QC Batch: 43619 | Date Analyzed: 2007-12-05 | Analyzed By: DC
Prep Batch: 37578 | QC Preparation: 2007-12-04 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.14	mg/Kg	1	10.0	<0.0118	81	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.07	mg/Kg	1	10.0	<0.0118	81	70 - 130	1	

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)	0.913	0.885	mg/Kg	1	1	91	88	70 - 130
4-Bromofluorobenzene (4-BFB)	0.964	0.968	mg/Kg	1	1	96	97	70 - 130

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

Matrix Spike (MS-1) Spiked Sample: 144687

QC Batch: 43691 | Date Analyzed: 2007-12-07 | Analyzed By: AG
Prep Batch: 37678 | QC Preparation: 2007-12-07 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	600	mg/Kg	1	250	438	65	30.2 - 201.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	594	mg/Kg	1	250	438	62	30.2 - 201.4	1	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	145	144	mg/Kg	1	150	97	96	10 - 194

Matrix Spike (MS-1) Spiked Sample: 143917

QC Batch: 43692 | Date Analyzed: 2007-12-08 | Analyzed By: AG
Prep Batch: 37678 | QC Preparation: 2007-12-07 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	220	mg/Kg	1	250	<13.4	88	30.2 - 201.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	245	mg/Kg	1	250	<13.4	98	30.2 - 201.4	11	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	131	163	mg/Kg	1	150	87	109	10 - 194

Standard (ICV-1)

QC Batch: 43475 | Date Analyzed: 2007-11-29 | Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.976	98	85 - 115	2007-11-29

Standard (CCV-1)

QC Batch: 43475 | Date Analyzed: 2007-11-29 | Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.970	97	85 - 115	2007-11-29

Standard (ICV-1)

QC Batch: 43487 Date Analyzed: 2007-11-29 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0857	86	85 - 115	2007-11-29
Toluene		mg/Kg	0.100	0.0864	86	85 - 115	2007-11-29
Ethylbenzene		mg/Kg	0.100	0.0872	87	85 - 115	2007-11-29
Xylene		mg/Kg	0.300	0.262	87	85 - 115	2007-11-29

Standard (CCV-1)

QC Batch: 43487 Date Analyzed: 2007-11-29 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0995	100	85 - 115	2007-11-29
Toluene		mg/Kg	0.100	0.0965	96	85 - 115	2007-11-29
Ethylbenzene		mg/Kg	0.100	0.0993	99	85 - 115	2007-11-29
Xylene		mg/Kg	0.300	0.284	95	85 - 115	2007-11-29

Standard (ICV-1)

QC Batch: 43618 Date Analyzed: 2007-12-05 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0986	99	85 - 115	2007-12-05
Toluene		mg/Kg	0.100	0.0998	100	85 - 115	2007-12-05
Ethylbenzene		mg/Kg	0.100	0.0990	99	85 - 115	2007-12-05
Xylene		mg/Kg	0.300	0.295	98	85 - 115	2007-12-05

Standard (CCV-1)

QC Batch: 43618 Date Analyzed: 2007-12-05 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.115	115	85 - 115	2007-12-05
Toluene		mg/Kg	0.100	0.115	115	85 - 115	2007-12-05
Ethylbenzene		mg/Kg	0.100	0.113	113	85 - 115	2007-12-05

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/Kg	0.300	0.337	112	85 - 115	2007-12-05

Standard (ICV-1)

QC Batch: 43619 Date Analyzed: 2007-12-05 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.09	109	85 - 115	2007-12-05

Standard (CCV-1)

QC Batch: 43619 Date Analyzed: 2007-12-05 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.12	112	85 - 115	2007-12-05

Standard (CCV-1)

QC Batch: 43691 Date Analyzed: 2007-12-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	229	92	85 - 115	2007-12-07

Standard (CCV-2)

QC Batch: 43691 Date Analyzed: 2007-12-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	236	94	85 - 115	2007-12-07

Standard (CCV-3)

QC Batch: 43691 Date Analyzed: 2007-12-07 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	220	88	85 - 115	2007-12-07

Standard (ICV-1)

QC Batch: 43692 Date Analyzed: 2007-12-08 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	216	86	85 - 115	2007-12-08

Standard (CCV-1)

QC Batch: 43692 Date Analyzed: 2007-12-08 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	221	88	85 - 115	2007-12-08

Standard (CCV-2)

QC Batch: 43692 Date Analyzed: 2007-12-08 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	230	92	85 - 115	2007-12-08

LAB Order ID # 711296 Page 1 of 2

TraceAnalysis, Inc.

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Lubbock, Texas 79424
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1 (800) 378-1296

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1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: NOVA — Phone #: FIX

Address: (Street, City, Zip) MIDLAND — Fax #: FIX

Contact Person: Kurt Stanley — E-mail: File

Invoice to: (If different from above) Plains

Project #: NA — Project Name: Red Bird Ranch TNM Historical

Project Location (including state): Monument NM — Sampler Signature: Craig Crider

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 (2007)	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC modified	PAH 8270C / 625	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
139 08	SB1-07-10'	1	40z		X							X		11/28	9:00				X															
909	SB1-07-20'	1			X							X		11	9:10				X															
910	SB2-07-10'	1			X							X		11	9:50				X															
911	SB2-07-20'	1			X							X		11	10:00				X															
912	SB3-07-10'	1			X							X		11	10:35				X															
913	SB3-07 20'	1			X							X		11	10:45		X		X															
914	SB3-07-29'	1			X							X		1	10:55		X		X															
915	SB4-07-10'	1			X							X		11	1:10				X															
916	SB4-07-20'	1			X							X		11	1:20				X															
917	SB4-07-29'	1			X							X		11	1:45		X		X															

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Craig Crider	NOVA	11/28/07	8:45	[signature]	TRACE	11/29/07	8:45	3.2 c
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

3.2 °C

Logan Review: _____

REMARKS:

For SB1 & SB2 - Run BTEX if GRO > 100 ppm.

All tests - Midland

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

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

Carrier # Caring in

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LAB Order ID # 7112916 Page 2 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Lubbock, Texas 79424
Tel (806) 794-1296
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Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: NOVA
Phone #: on file
Address: (Street, City, Zip) MIDLAND
Fax #: on file
Contact Person: Kurt Stanley
E-mail: on file
Invoice to: (If different from above) Plains
Project #: NA
Project Name: Red Bird Ranch TNM Historical
Project Location (including state): 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 (2007)	TIME
143918	SB5-07 -10'	1	4oz		X							X		11/26	2:45
919	SB5-07 -20'	1			X							X		11	2:55
920	SB5-07 -29'	1			X							X		11	3:10
921	SB6-07 - 10'	1			X							X		11	4:50
922	SB6-07 - 20'	1			X							X		11	5:05
923	SB6-07 - 28'	1			X							X		11	5:20

ANALYSIS REQUEST	
MTBE 8021B / 602 / 8260B / 624	
BTEX 8021B / 602 / 8260B / 624	X
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC modified	X
PAH 8270C / 625	
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	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
	NOVA	11/27/07	8:45		TRACE	11/29/07	8:45	3.2 C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
3.2 C
Log-in-Review

REMARKS:
All tests - Midland

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

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

Carrier # Courier in

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