1R-103

Plains
TNM LF-59

Annual Report
2013

2013
ANNUAL MONITORING REPORT

LF-59
LEA COUNTY, NEW MEXICO
NW ¼ SW ¼ SECTION 32, TOWNSHIP 19 SOUTH, RANGE 37 EAST
PLAINS SRS NUMBER: TNM-LF-59
NMOCD FILE NUMBER: 1R-0103

Prepared For:

PLAINS MARKETING, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

NOVA
safety and environmental

Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2014

Nikki Green
Project Manager

Brittan K. Byerly, P.G.
President

TABLE OF CONTENTS

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this 2013 Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by NOVA. The LF-59 Pipeline Release Site (the site), which was formerly the responsibility of Enron Oil Trading and Transportation (EOTT), is now the responsibility of Plains. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2013 only. However, historic data tables as well as 2013 laboratory analytical reports are provided on the enclosed disk. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2013 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were sampled as per a NMOCD directive.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The LF-59 Release Site occurred as two separate releases of unknown volumes on unknown dates. The release occurred from an 8-inch pipeline and was attributed to structural failure associated with internal pipeline corrosion. Approximately 6,900 cubic yards of impacted soil was excavated, sorted, shredded and combined with fertilizer to enhance bioremediation rates. Approximately 550 cubic yards of caliche rock was also stockpiled on-site as a result of the previously referenced soil treatment activity. The soil was spread onto an on-site treatment cell for aeration in March 2003. Soil in the treatment cell was sampled for baseline concentrations of Total Petroleum Hydrocarbon (TPH) and Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations using EPA Methods 8015M and 8260b, respectively. The treatment cell was resampled on September 7, 2005. Analytical results of this sampling event indicate Total Petroleum Hydrocarbons (TPH) concentrations had decreased to levels ranging between <50 to 115 mg/Kg total TPH.

A *Soil Closure Strategy and Site Restoration Work Plan* (Work Plan) was submitted to the NMOCD in July 2006. The Work Plan proposed soil remediation activities intended to progress the site toward an NMOCD approved closure.

On September 20, 2007, Plains received approval from the NMOCD to commence the activities outlined in the Work Plan. Following the completion of the soil remediation activities, a *Soil Closure Request*, dated February 2010 was submitted to the NMOCD for approval. On February 19, 2010, Plains received an email from the NMOCD approving the *Soil Closure Request* at the LF-59 Release Site.

In a correspondence dated August 23, 2010, the NMOCD approved the plugging of monitor well MW-6. On March 21, 2011, Plains properly plugged and abandoned MW-6 and a letter report documenting the activities was submitted to the NMOCD on April 19, 2011.

As required by the NMOCD, groundwater monitoring and sampling has continued at the site.

Currently, seven groundwater monitor wells (MW-1 through MW-5, MW-7 and MW-8) are on-site.

FIELD ACTIVITIES

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated November 5, 2012.

NMOCD Approved Sampling Schedule			
MW-1	Quarterly	MW-5	Annually
MW-2	Quarterly	MW-6	Plugged and Abandoned
MW-3	Annually	MW-7	Annually
MW-4	Quarterly	MW-8	Semi-Annual

The site monitor wells were gauged and sampled on the following dates: February 5, May 28, August 13, and November 20, 2013. During each sampling event, sampled monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water using a PVC bailer or electric Grundfos pump. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean, glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2013 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient pf 0.018 feet per foot to the southwest as measured between groundwater monitor wells MW-5 and MW-7.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2013 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Based upon historic Polynuclear Aromatic Hydrocarbons (PAH) analytical data, PAH analysis was not conducted during 2013. A listing of BTEX constituent concentrations for 2013 are summarized in Table 2

and the historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2013 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0073 mg/L during the 3rd quarter to 0.0189 mg/L during the 2nd quarter of the reporting period. Benzene concentrations were above the NMOCD regulatory guideline of 0.01 mg/L during the 1st and 2nd quarters of 2013. Toluene, ethylbenzene and xylene concentrations were below laboratory method detection limits (MDL) and NMOCD regulatory guidelines of 0.75 mg/L, 0.75 mg/L, and 0.62 mg/L, respectively, during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standard for each constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter sampling event of 2003. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-3 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standard for each constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter sampling event of 2000. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter sampling event of 2006. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-5 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standard for each constituent during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter sampling event of 2000. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-7 is sampled on an annual schedule. Analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standard for each constituent during the 4th quarter sampling events. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter sampling event of 2001. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-8 is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines during the

2nd and 4th quarter sampling events of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 4th quarter sampling event of 2005. PAH analysis was not conducted during the 4th quarter sampling event.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater guidelines found in section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of monitoring activities for the 2013 annual monitoring period. Seven groundwater monitor wells (MW-1 through MW-5, MW-7 and MW-8) are currently on-site. Monitor well MW-6 was plugged and abandoned on March 21, 2011. During the reporting period, no measurable thickness of PSH was detected in any of the site monitor wells.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of 0.018 feet per foot to the southwest as measured between groundwater monitor wells MW-5 and MW-7.

A review of the laboratory analytical results for groundwater samples collected from monitor well MW-1 indicates benzene concentrations were below NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period and toluene, ethylbenzene and xylene concentrations were below NMOCD regulatory guidelines. Groundwater samples collected from the remaining six monitor wells exhibited BTEX constituent concentrations below the NMOCD regulatory standard during all four quarters of the reporting period.

Based on the results of PAH analysis over the past years, PAH analysis was not conducted during the 2013 annual sampling event.

ANTICIPATED ACTIONS

During the first quarter of 2014, Plains will install a replacement monitor well (MW-1A) approximately ten (10) feet south of monitor well MW-1.

Based on the results of the PAH analysis over the past several years, further PAH analysis will not be conducted.

Groundwater monitoring and quarterly sampling will continue through 2014. An annual groundwater monitoring report will be submitted by April 1, 2015.

LIMITATIONS

NOVA has prepared this Annual Monitoring 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

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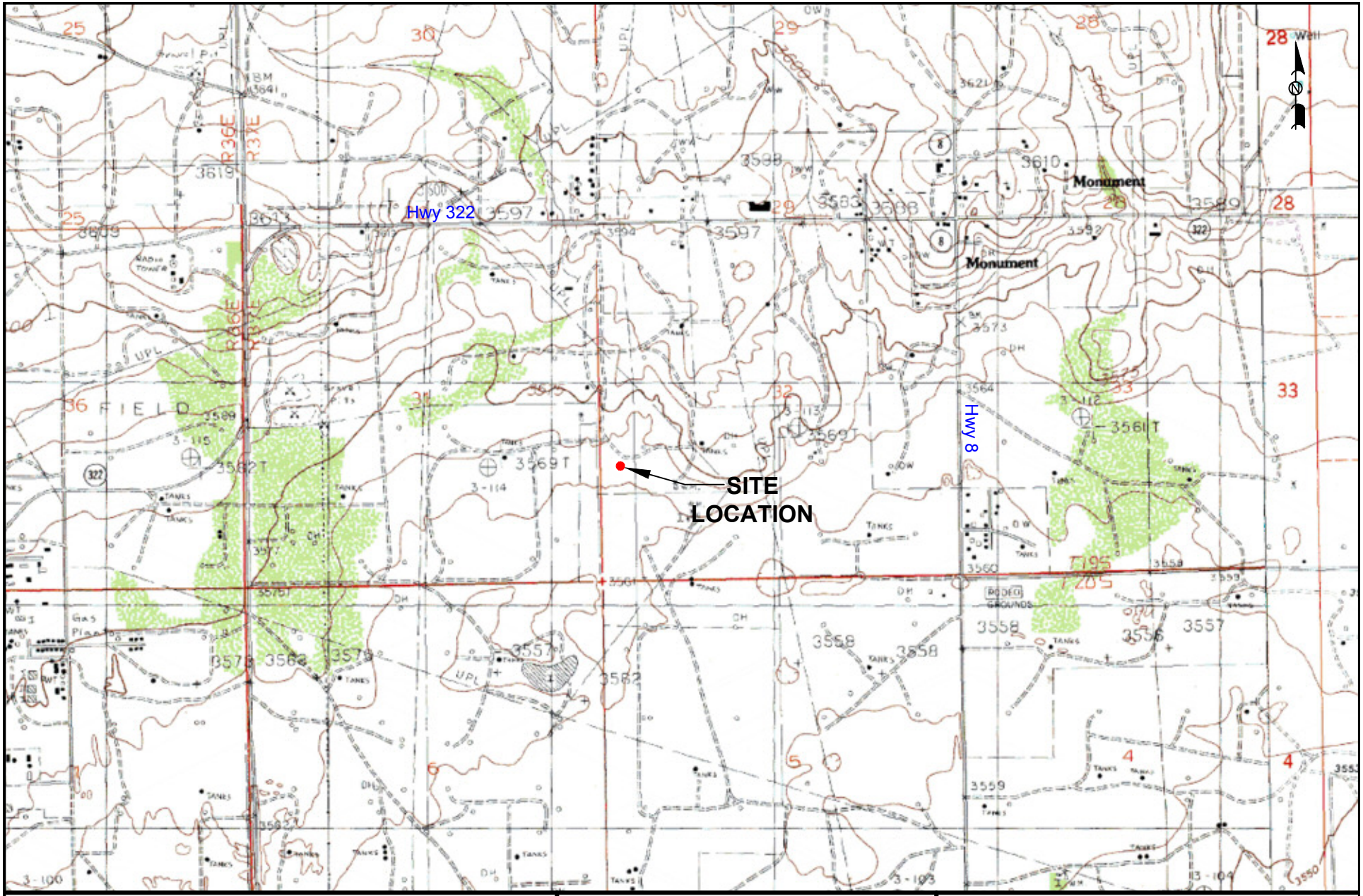
ngreen@novatraining.cc



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

NMOCD Reference #1R-0103

Figure 1
Site Location Map
LF-59
Plains Marketing, L.P.
Lea County, NM

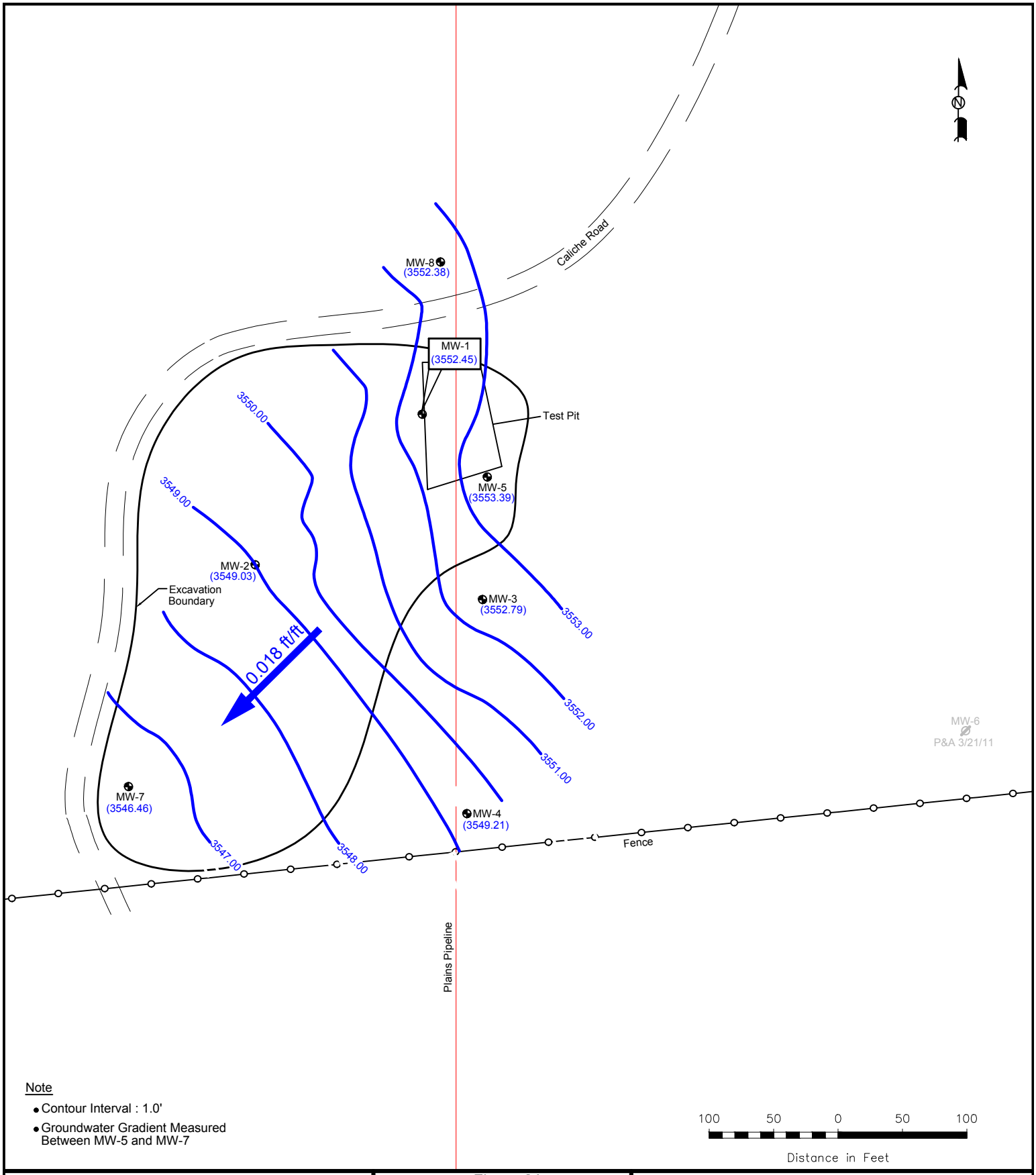
NOVA safety and environmental

2057 Commerce Drive
Midland, Texas 79703
432.520.7720

www.novasafetyandenvironmental.com

February 28, 2011	Scale: 1" = 2000'	CAD By: TA	Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 36' 50.1" W 103° 16' 47.6"



Note

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-5 and MW-7

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- (3547.11) Groundwater Elevation in Feet
- Groundwater Elevation Contour Line
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2A
Inferred Groundwater Gradient Map
(2/5/2013)
NMOCD Reference # 1R-0103
Plains Marketing, L.P.
LF-59
Lea County, NM

NOVA safety and environmental
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

April 13, 2013	Scale: 1" = 100'	CAD By: CAS	Checked By: NGC
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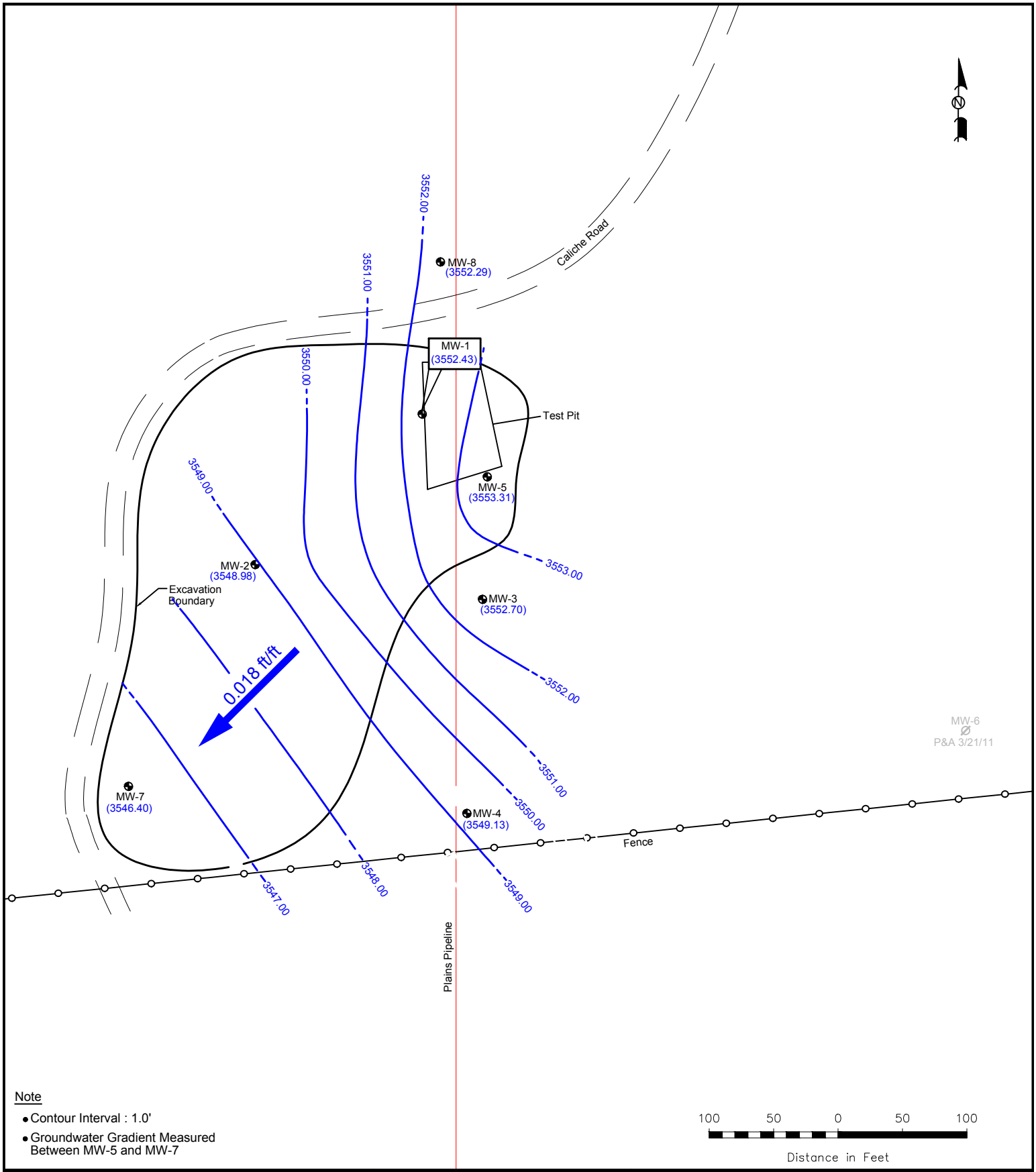

Note

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-5 and MW-7

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- (3547.11) Groundwater Elevation in Feet
- Groundwater Elevation Contour Line
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2B
Inferred Groundwater Gradient Map
(5/28/2013)
NMOCD Reference # 1R-0103
Plains Marketing, L.P.
LF-59
Lea County, NM

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June 13, 2013	Scale: 1" = 100'	CAD By: CAS	Checked By: NGC
Lat. N 32° 36' 50.1" Long. W 103° 16' 47.6"	NW1/4 SW1/4 Sec 32 T19S R37E		

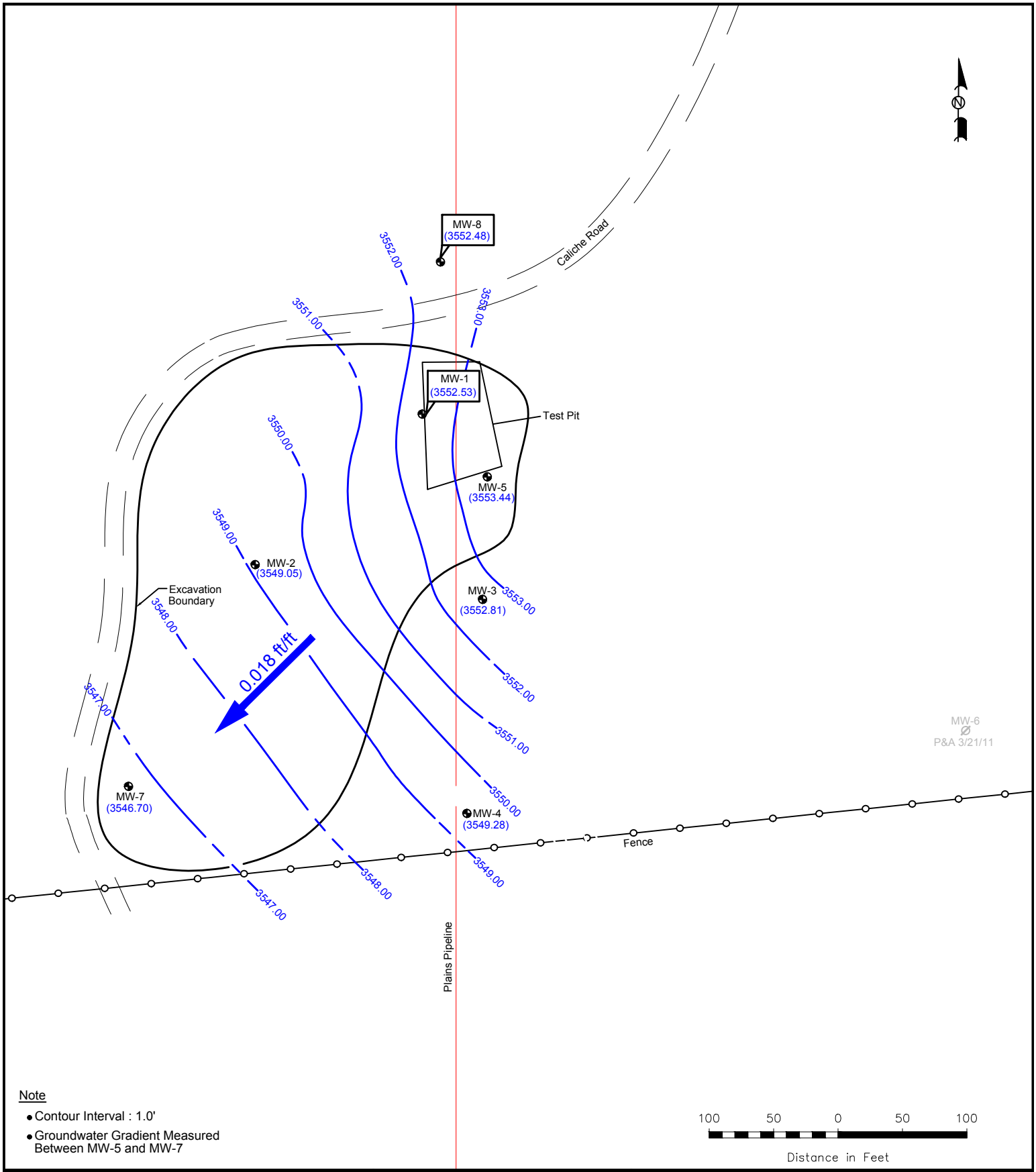
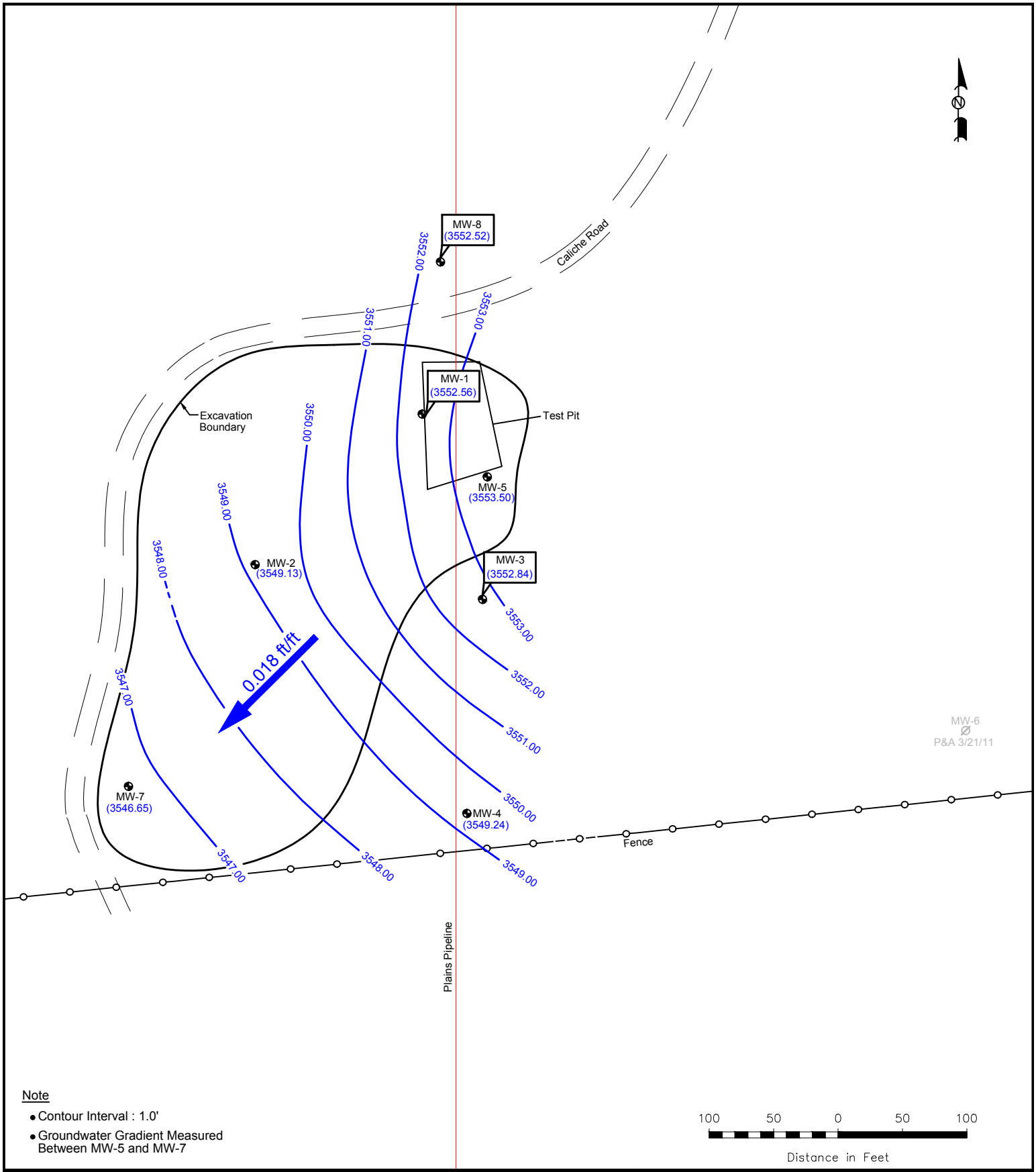


Figure 2C
Inferred Groundwater Gradient Map
(8/13/2013)
NMOCD Reference # 1R-0103
Plains Marketing, L.P.
LF-59
Lea County, NM

NOVA safety and environmental
2057 Commerce Drive
Midland, Texas 79703
432.520.7720
www.novasafetyandenvironmental.com

October 2, 2013	Scale: 1" = 100'	CAD By: TA	Checked By: CJB
Lat. N 32° 36' 50.1" Long. W 103° 16' 47.6"	NW1/4 SW1/4 Sec 32 T19S R37E		



Note

- Contour Interval : 1.0'
- Groundwater Gradient Measured Between MW-5 and MW-7

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- (3547.11) Groundwater Elevation in Feet
- Groundwater Elevation Contour Line
- 0.001 ft/ft Groundwater Gradient and Magnitude

Figure 2D
Inferred Groundwater Gradient Map
(11/20/2013)
NMOCD Reference # 1R-0103
Plains Marketing, L.P.
LF-59
Lea County, NM

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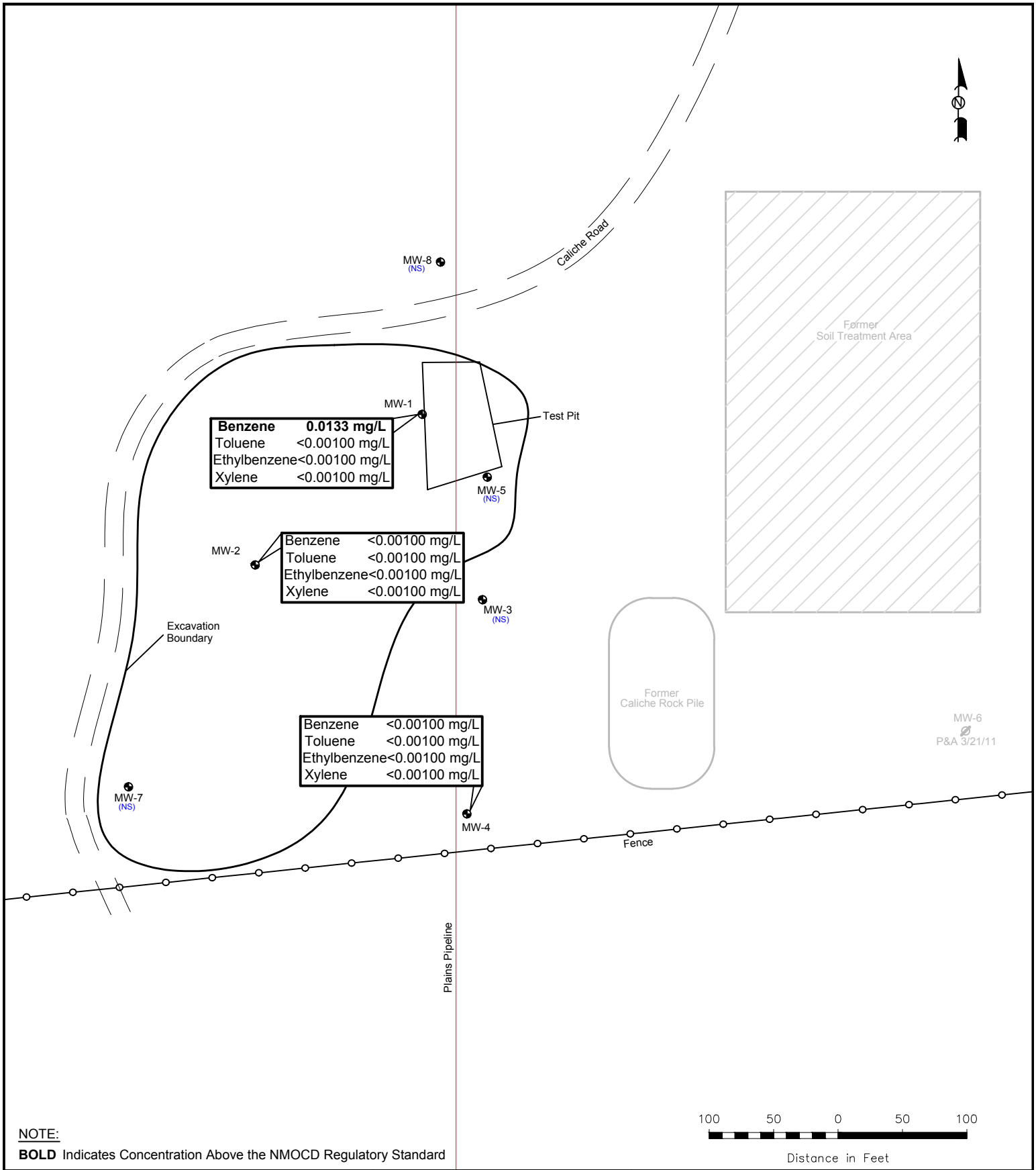
December 20, 2013	Scale: 1" = 100'	CAD By: TA	Checked By: CS
Lat. N 32° 36' 50.1" Long. W 103° 16' 47.6"	NW1/4 SW1/4 Sec 32 T19S R37E		



NOTE:

BOLD Indicates Concentration Above the NMOCD Regulatory Standard

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3A
Groundwater Concentration
Inferred PSH Extent Maps
(2/15/2013)
Plains Marketing, L.P.
LF-59
Lea County, NM
NMOCD Reference # 1R-0103

NOVA safety and environmental
2057 Commerce Drive
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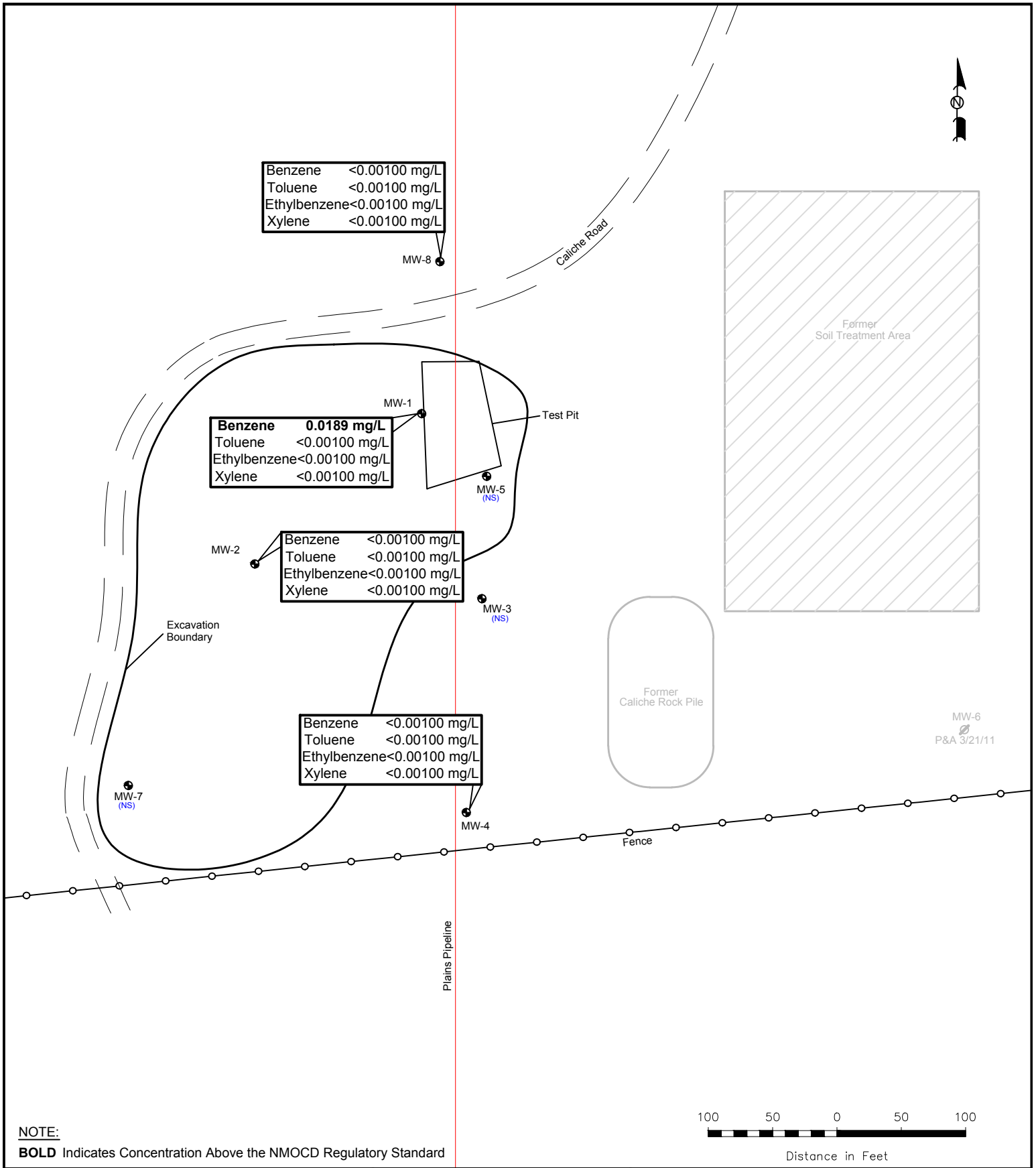

NOTE:

BOLD Indicates Concentration Above the NMOCD Regulatory Standard

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3B
Groundwater Concentration
Inferred PSH Extent Maps
(5/28/2013)
Plains Marketing, L.P.
LF-59
Lea County, NM
NMOCD Reference # 1R-0103

NOVA safety and environmental
2057 Commerce Drive
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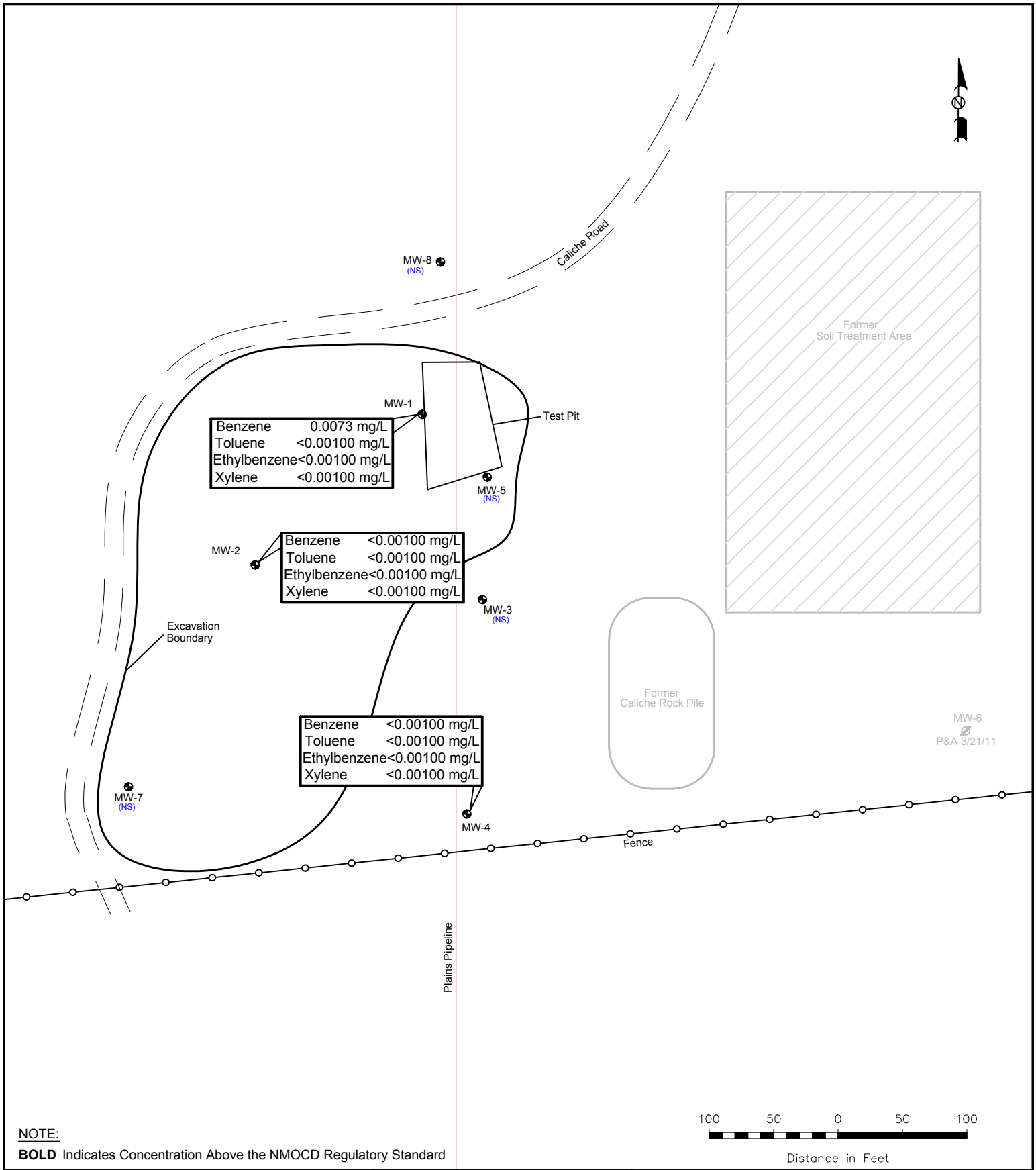

NOTE:

BOLD Indicates Concentration Above the NMOCD Regulatory Standard

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3C
Groundwater Concentration
Inferred PSH Extent Maps
(8/13/2013)
Plains Marketing, L.P.
LF-59
Lea County, NM
NMOCD Reference # 1R-0103

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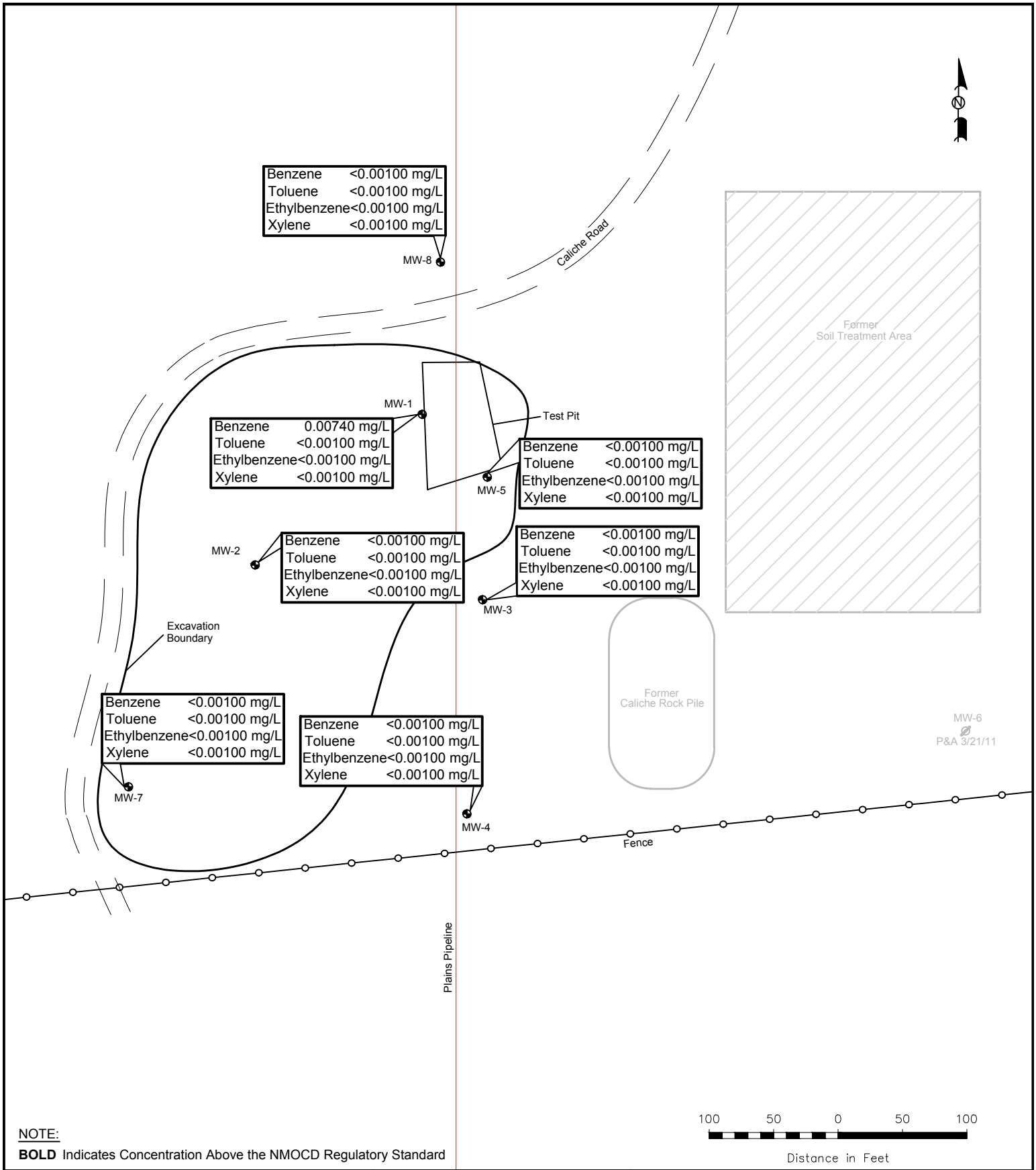
October 2, 2013	Scale: 1" = 100'	CAD By: TA	Checked By: CJB

Lat. N 32° 36' 50.1" Long. W 103° 16' 47.6"



NOTE:

BOLD Indicates Concentration Above the NMOCD Regulatory Standard

LEGEND:

- Monitor Well Location
- Plugged and Abandoned Well
- Pipeline
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3D
Groundwater Concentration
Inferred PSH Extent Maps
(11/20/2013)
Plains Marketing, L.P.
LF-59
Lea County, NM
NMOCD Reference # 1R-0103

NOVA safety and environmental
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December 20, 2013	Scale: 1" = 100'	CAD By: TA	Checked By: CS
Lat. N 32° 36' 50.1" Long. W 103° 16' 47.6"			

TABLE 1

GROUNDWATER ELEVATION DATA - 2013

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/24/13	3,572.21	-	19.80	0.00	3,552.41
MW - 1	02/04/13	3,572.21	-	19.76	0.00	3,552.45
MW - 1	*02/05/13*	3,572.21	-	19.74	0.00	3,552.47
MW - 1	03/26/13	3,572.21	-	19.78	0.00	3,552.43
MW - 1	05/01/13	3,572.21	-	19.83	0.00	3,552.38
MW - 1	*05/28/13*	3,572.21	-	19.78	0.00	3,552.43
MW - 1	05/30/13	3,572.21	-	19.80	0.00	3,552.41
MW - 1	06/12/13	3,572.21	-	19.84	0.00	3,552.37
MW - 1	07/02/13	3,572.21	-	19.99	0.00	3,552.22
MW - 1	08/06/13	3,572.21	-	17.82	0.00	3,554.39
MW - 1	*08/13/13*	3,572.21	-	19.68	0.00	3,552.53
MW - 1	09/25/13	3,572.21	-	19.66	0.00	3,552.55
MW - 1	10/25/13	3,572.21	-	19.76	0.00	3,552.45
MW - 1	*11/20/13*	3,572.21	-	19.65	0.00	3,552.56
MW - 1	12/23/13	3,572.21	-	19.70	0.00	3,552.51
MW - 2	*02/05/13*	3,571.46	-	22.43	0.00	3,549.03
MW - 2	*05/28/13*	3,571.46	-	22.48	0.00	3,548.98
MW - 2	*08/13/13*	3,571.46	-	22.41	0.00	3,549.05
MW - 2	*11/20/13*	3,571.46	-	22.33	0.00	3,549.13
MW - 3	*02/05/13*	3,573.46	-	20.89	0.00	3,552.57
MW - 3	*05/28/13*	3,573.46	-	20.76	0.00	3,552.70
MW - 3	*08/13/13*	3,573.46	-	20.65	0.00	3,552.81
MW - 3	*11/20/13*	3,573.46	-	20.62	0.00	3,552.84
MW - 4	*02/05/13*	3,570.15	-	20.94	0.00	3,549.21
MW - 4	*05/28/13*	3,570.15	-	21.02	0.00	3,549.13
MW - 4	05/30/13	3,570.15	-	21.01	0.00	3,549.14
MW - 4	06/12/13	3,570.15	-	21.02	0.00	3,549.13
MW - 4	08/06/13	3,570.15	-	21.81	0.00	3,548.34
MW - 4	*08/13/13*	3,570.15	-	20.87	0.00	3,549.28
MW - 4	*11/20/13*	3,570.15	-	20.91	0.00	3,549.24
MW - 4	12/23/13	3,570.15	-	20.92	0.00	3,549.23
MW - 5	*02/05/13*	3,572.92	-	19.53	0.00	3,553.39
MW - 5	*05/28/13*	3,572.92	-	19.61	0.00	3,553.31
MW - 5	*08/13/13*	3,572.92	-	19.48	0.00	3,553.44
MW - 5	*11/20/13*	3,572.92	-	19.42	0.00	3,553.50
MW - 7	*02/05/13*	3,569.75	-	23.29	0.00	3,546.46
MW - 7	*05/28/13*	3,569.75	-	23.35	0.00	3,546.40
MW - 7	*08/13/13*	3,569.75	-	23.05	0.00	3,546.70
MW - 7	*11/20/13*	3,569.75	-	23.10	0.00	3,546.65
MW - 8	*02/05/13*	3,573.59	-	21.21	0.00	3,552.38
MW - 8	*05/28/13*	3,573.59	-	21.30	0.00	3,552.29
MW - 8	*08/13/13*	3,573.59	-	21.11	0.00	3,552.48
MW - 8	*11/20/13*	3,573.59	-	21.07	0.00	3,552.52

** Complete Historical Tables are provided on the attached CD.*

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2013

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 1	02/05/13	**0.0133**	<0.00100	<0.00100	<0.00100	
MW - 1	05/28/13	**0.0189**	<0.00100	<0.00100	<0.00100	
MW - 1	08/13/13	0.0073	<0.00100	<0.00100	<0.00100	
MW - 1	11/20/13	0.00740	<0.00100	<0.00100	<0.00100	
MW - 2	02/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	05/28/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	08/13/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/05/13	Not Sampled on Current Sample Schedule				
MW - 3	05/28/13	Not Sampled on Current Sample Schedule				
MW - 3	08/13/13	Not Sampled on Current Sample Schedule				
MW - 3	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	05/28/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/13/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/05/13	Not Sampled on Current Sample Schedule				
MW - 5	05/28/13	Not Sampled on Current Sample Schedule				
MW - 5	08/13/13	Not Sampled on Current Sample Schedule				
MW - 5	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/05/13	Not Sampled on Current Sample Schedule				
MW - 7	05/28/13	Not Sampled on Current Sample Schedule				
MW - 7	08/13/13	Not Sampled on Current Sample Schedule				
MW - 7	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/05/13	Not Sampled on Current Sample Schedule				
MW - 8	05/28/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/13/13	Not Sampled on Current Sample Schedule				
MW - 8	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	

** Complete Historical Tables are provided on the attached CD.*

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM LF-59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		--	--	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	--	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			--
MW-1	11/07/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.0006	<0.000183	0.000691	<0.000183	0.00214	0.00479	0.00232	<0.000183
	11/09/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/08/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/07/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/09/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/08/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/07/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/09/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/08/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/07/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.00207**	<0.000185	**0.00103**	<0.000185	0.000684	0.00413	0.000546	0.00128
	11/09/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00078	<0.000184	<0.000184	0.00173	<0.000184	<0.000184
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/08/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	11/07/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
	11/09/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM LF-59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		--	--	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	--	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			--
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/08/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	11/07/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/09/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/08/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-8	11/07/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/09/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/01/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/16/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/08/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/20/13	Not Sampled as part of Quarterly Monitoring Event.																		

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

Oil Conservation Division

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

STATE Byrd LF. 1999-59

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

Release Notification and Corrective Action

OPERATOR

☑ Initial Report ☐ Final Report

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

Surface Owner	Mineral Owner	Lease No.
State of New Mexico		

LOCATION OF RELEASE

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

NATURE OF RELEASE

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

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

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

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

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

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

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/22/00	3,572.21	-	19.94	0.00	3,552.27
MW - 1	02/23/00	3,572.21	-	19.95	0.00	3,552.26
MW - 1	04/06/00	3,572.21	-	19.81	0.00	3,552.40
MW - 1	08/29/00	3,572.21	19.46	19.76	0.30	3,552.71
MW - 1	12/04/00	3,572.21	19.55	19.61	0.06	3,552.65
MW - 1	01/23/01	3,572.21	19.57	20.17	0.60	3,552.55
MW - 1	05/16/01	3,572.21	19.63	20.61	0.98	3,552.43
MW - 1	08/06/01	3,572.21	19.76	21.09	1.33	3,552.25
MW - 1	09/27/01	3,572.21	19.91	20.88	0.97	3,552.15
MW - 1	10/29/01	3,572.21	19.91	20.88	0.97	3,552.15
MW - 1	03/29/02	3,572.21	19.34	19.37	0.03	3,552.87
MW - 1	05/20/02	3,572.21	19.81	19.93	0.12	3,552.38
MW - 1	09/10/02	3,572.21	19.80	20.16	0.36	3,552.36
MW - 1	10/02/02	3,572.21	19.91	20.45	0.54	3,552.22
MW - 1	10/03/02	3,572.21	19.89	20.83	0.94	3,552.18
MW - 1	10/08/02	3,572.21	19.92	20.44	0.52	3,552.21
MW - 1	10/14/02	3,572.21	19.94	20.52	0.58	3,552.18
MW - 1	10/22/02	3,572.21	19.99	20.50	0.51	3,552.14
MW - 1	11/14/02	3,572.21	19.66	19.83	0.17	3,552.52
MW - 1	12/03/03	3,572.21	20.25	21.20	0.95	3,551.82
MW - 1	01/14/04	3,572.21	20.82	21.70	0.88	3,551.26
MW - 1	01/19/04	3,572.21	20.81	21.72	0.91	3,551.26
MW - 1	01/27/04	3,572.21	20.79	21.65	0.86	3,551.29
MW - 1	02/03/04	3,572.21	20.75	21.62	0.87	3,551.33
MW - 1	02/10/04	3,572.21	21.00	21.21	0.21	3,551.18
MW - 1	02/19/04	3,572.21	20.58	21.13	0.55	3,551.55
MW - 1	02/23/04	3,572.21	20.97	21.16	0.19	3,551.21
MW - 1	03/02/04	3,572.21	20.94	21.18	0.24	3,551.23
MW - 1	03/03/04	3,572.21	20.23	20.64	0.41	3,551.92
MW - 1	03/11/04	3,572.21	20.46	20.77	0.31	3,551.70
MW - 1	03/15/04	3,572.21	20.42	20.69	0.27	3,551.75
MW - 1	03/17/04	3,572.21	20.73	20.94	0.21	3,551.45
MW - 1	03/22/04	3,572.21	20.76	20.98	0.22	3,551.42
MW - 1	03/24/04	3,572.21	20.23	20.36	0.13	3,551.96
MW - 1	03/29/04	3,572.21	20.90	20.98	0.08	3,551.30
MW - 1	04/07/04	3,572.21	17.26	17.26	0.00	3,554.95
MW - 1	04/13/04	3,572.21	17.17	17.17	0.00	3,555.04
MW - 1	04/20/04	3,572.21	18.25	18.25	0.00	3,553.96
MW - 1	04/27/04	3,572.21	18.88	18.89	0.01	3,553.33
MW - 1	05/11/04	3,572.21	19.64	19.64	0.00	3,552.57
MW - 1	05/18/04	3,572.21	19.22	19.22	0.00	3,552.99
MW - 1	06/17/04	3,572.21	19.42	19.42	0.00	3,552.79
MW - 1	06/23/04	3,572.21	19.45	19.45	0.00	3,552.76
MW - 1	06/30/04	3,572.21	-	19.43	0.00	3,552.78
MW - 1	07/07/04	3,572.21	-	19.44	0.00	3,552.77
MW - 1	07/21/04	3,572.21	-	19.13	0.00	3,553.08
MW - 1	08/04/04	3,572.21	-	19.12	0.00	3,553.09
MW - 1	08/11/04	3,572.21	19.40	19.41	0.01	3,552.81
MW - 1	09/07/04	3,572.21	sheen	19.50	0.00	3,552.71
MW - 1	09/13/04	3,572.21	sheen	19.52	0.00	3,552.69
MW - 1	09/21/04	3,572.21	sheen	20.63	0.00	3,551.58
MW - 1	09/21/04	3,572.21	sheen	20.63	0.00	3,551.58
MW - 1	10/12/04	3,572.21	sheen	14.45	0.00	3,557.76

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	10/21/04	3,572.21	sheen	15.85	0.00	3,556.36
MW - 1	10/28/04	3,572.21	sheen	15.82	0.00	3,556.39
MW - 1	11/03/04	3,572.21	sheen	17.08	0.00	3,555.13
MW - 1	11/10/04	3,572.21	sheen	16.97	0.00	3,555.24
MW - 1	11/17/04	3,572.21	sheen	16.40	0.00	3,555.81
MW - 1	12/01/04	3,572.21	sheen	13.80	0.00	3,558.41
MW - 1	12/08/04	3,572.21	sheen	14.31	0.00	3,557.90
MW - 1	12/14/04	3,572.21	-	14.85	0.00	3,557.36
MW - 1	12/16/04	3,572.21	sheen	14.85	0.00	3,557.36
MW - 1	12/28/04	3,572.21	sheen	14.49	0.00	3,557.72
MW - 1	01/05/05	3,572.21	sheen	16.36	0.00	3,555.85
MW - 1	01/13/05	3,572.21	sheen	16.72	0.00	3,555.49
MW - 1	01/19/05	3,572.21	sheen	17.22	0.00	3,554.99
MW - 1	01/27/05	3,572.21	sheen	17.66	0.00	3,554.55
MW - 1	02/03/05	3,572.21	sheen	17.97	0.00	3,554.24
MW - 1	02/10/05	3,572.21	sheen	18.34	0.00	3,553.87
MW - 1	02/17/05	3,572.21	sheen	18.61	0.00	3,553.60
MW - 1	02/24/05	3,572.21	sheen	18.80	0.00	3,553.41
MW - 1	03/03/05	3,572.21	sheen	18.55	0.00	3,553.66
MW - 1	*03/08/05*	3,572.21	sheen	19.00	0.00	3,553.21
MW - 1	03/10/05	3,572.21	sheen	19.00	0.00	3,553.21
MW - 1	03/17/05	3,572.21	sheen	18.98	0.00	3,553.23
MW - 1	03/24/05	3,572.21	sheen	19.23	0.00	3,552.98
MW - 1	03/31/05	3,572.21	sheen	19.36	0.00	3,552.85
MW - 1	04/0705	3,572.21	sheen	19.29	0.00	3,552.92
MW - 1	04/14/05	3,572.21	sheen	19.23	0.00	3,552.98
MW - 1	05/24/05	3,572.21	sheen	20.09	0.00	3,552.12
MW - 1	*06/07/05*	3,572.21	sheen	19.43	0.00	3,552.78
MW - 1	06/23/05	3,572.21	sheen	19.51	0.00	3,552.70
MW - 1	07/28/05	3,572.21	sheen	19.58	0.00	3,552.63
MW - 1	08/24/05	3,572.21	sheen	18.19	0.00	3,554.02
MW - 1	*09/07/05*	3,572.21	-	18.96	0.00	3,553.25
MW - 1	09/30/05	3,572.21	-	19.29	0.00	3,552.92
MW - 1	10/28/05	3,572.21	sheen	19.42	0.00	3,552.79
MW - 1	11/16/05	3,572.21	sheen	19.50	0.00	3,552.71
MW - 1	*12/02/05*	3,572.21	-	19.54	0.00	3,552.67
MW - 1	12/30/05	3,572.21	sheen	19.59	0.00	3,552.62
MW - 1	01/18/06	3,572.21	sheen	19.60	0.00	3,552.61
MW - 1	02/17/06	3,572.21	sheen	19.60	0.00	3,552.61
MW - 1	*03/08/06*	3,572.21	sheen	19.59	0.00	3,552.62
MW - 1	03/20/06	3,572.21	sheen	19.64	0.00	3,552.57
MW - 1	04/19/06	3,572.21	sheen	19.62	0.00	3,552.59
MW - 1	05/25/06	3,572.21	20.61	20.72	0.11	3,551.58
MW - 1	*06/07/06*	3,572.21	sheen	19.62	0.00	3,552.59
MW - 1	07/13/06	3,572.21	sheen	19.28	0.00	3,552.93
MW - 1	07/27/06	3,572.21	sheen	19.61	0.00	3,552.60
MW - 1	08/10/06	3,572.21	-	19.49	0.00	3,552.72
MW - 1	*09/12/06*	3,572.21	-	14.64	0.00	3,557.57
MW - 1	09/16/06	3,572.21	sheen	14.71	0.00	3,557.50
MW - 1	10/04/06	3,572.21	-	19.66	0.00	3,552.55
MW - 1	11/15/06	3,572.21	-	19.26	0.00	3,552.95
MW - 1	*11/22/06*	3,572.21	-	18.75	0.00	3,553.46
MW - 1	01/11/07	3,572.21	-	19.40	0.00	3,552.81

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/05/07	3,572.21	-	19.43	0.00	3,552.78
MW - 1	*02/21/07*	3,572.21	-	19.54	0.00	3,552.67
MW - 1	03/27/07	3,572.21	-	19.44	0.00	3,552.77
MW - 1	*05/16/07*	3,572.21	-	19.34	0.00	3,552.87
MW - 1	*08/10/07*	3,572.21	-	19.51	0.00	3,552.70
MW - 1	*12/28/07*	3,572.21	-	19.60	0.00	3,552.61
MW - 1	*02/18/08*	3,572.21	-	19.60	0.00	3,552.61
MW - 1	02/29/08	3,572.21	-	19.64	0.00	3,552.57
MW - 1	*05/12/08*	3,572.21	-	19.67	0.00	3,552.54
MW - 1	*08/08/08*	3,572.21	-	19.78	0.00	3,552.43
MW - 1	08/12/08	3,572.21	-	19.76	0.00	3,552.45
MW - 1	10/08/08	3,572.21	-	19.98	0.00	3,552.23
MW - 1	10/24/08	3,572.21	-	19.71	0.00	3,552.50
MW - 1	10/28/08	3,572.21	-	19.70	0.00	3,552.51
MW - 1	11/03/08	3,572.21	-	19.81	0.00	3,552.40
MW - 1	*11/07/08*	3,572.21	-	19.74	0.00	3,552.47
MW - 1	11/10/08	3,572.21	-	19.78	0.00	3,552.43
MW - 1	11/17/08	3,572.21	-	19.78	0.00	3,552.43
MW - 1	11/24/08	3,572.21	-	19.94	0.00	3,552.27
MW - 1	12/01/08	3,572.21	-	21.62	0.00	3,550.59
MW - 1	12/08/08	3,572.21	-	19.85	0.00	3,552.36
MW - 1	12/15/08	3,572.21	-	21.49	0.00	3,550.72
MW - 1	12/19/08	3,572.21	-	19.78	0.00	3,552.43
MW - 1	12/22/08	3,572.21	-	19.78	0.00	3,552.43
MW - 1	12/29/08	3,572.21	-		0.00	3,572.21
MW - 1	01/07/09	3,572.21	-	19.83	0.00	3,552.38
MW - 1	*01/12/09*	3,572.21	-	18.81	0.00	3,553.40
MW - 1	*01/15/09*	3,572.21	-	19.86	0.00	3,552.35
MW - 1	*01/19/09*	3,572.21	-	19.83	0.00	3,552.38
MW - 1	*01/21/09*	3,572.21	-	19.87	0.00	3,552.34
MW - 1	*01/29/09*	3,572.21	-	19.86	0.00	3,552.35
MW - 1	*02/06/09*	3,572.21	-	19.85	0.00	3,552.36
MW - 1	*02/17/09*	3,572.21	-	19.87	0.00	3,552.34
MW - 1	02/23/09	3,572.21	-	19.94	0.00	3,552.27
MW - 1	*03/02/09*	3,572.21	-	19.92	0.00	3,552.29
MW - 1	03/05/09	3,572.21	-	21.01	0.00	3,551.20
MW - 1	03/09/09	3,572.21	-	20.03	0.00	3,552.18
MW - 1	*03/17/09*	3,572.21	-	21.01	0.00	3,551.20
MW - 1	03/18/09	3,572.21	-	21.02	0.00	3,551.19
MW - 1	03/26/09	3,572.21	-	19.95	0.00	3,552.26
MW - 1	03/30/09	3,572.21	-	20.02	0.00	3,552.19
MW - 1	04/06/09	3,572.21	-	19.97	0.00	3,552.24
MW - 1	04/13/09	3,572.21	-	21.03	0.00	3,551.18
MW - 1	04/16/09	3,572.21	-	19.96	0.00	3,552.25
MW - 1	04/20/09	3,572.21	-	19.93	0.00	3,552.28
MW - 1	04/23/09	3,572.21	-	21.04	0.00	3,551.17
MW - 1	04/27/09	3,572.21	-	21.03	0.00	3,551.18
MW - 1	04/30/09	3,572.21	-	19.92	0.00	3,552.29
MW - 1	*05/07/09*	3,572.21	-	19.90	0.00	3,552.31
MW - 1	05/21/09	3,572.21	-	19.72	0.00	3,552.49
MW - 1	05/26/09	3,572.21	-	19.76	0.00	3,552.45
MW - 1	06/02/09	3,572.21	-	19.74	0.00	3,552.47
MW - 1	06/08/09	3,572.21	-	19.78	0.00	3,552.43

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	06/17/09	3,572.21	-	21.02	0.00	3,551.19
MW - 1	06/29/09	3,572.21	-	21.01	0.00	3,551.20
MW - 1	07/07/09	3,572.21	-	19.74	0.00	3,552.47
MW - 1	07/14/09	3,572.21	-	19.67	0.00	3,552.54
MW - 1	07/21/09	3,572.21	-	19.56	0.00	3,552.65
MW - 1	07/27/09	3,572.21	-	19.68	0.00	3,552.53
MW - 1	07/30/09	3,572.21	-	19.65	0.00	3,552.56
MW - 1	*08/04/09*	3,572.21	-	19.69	0.00	3,552.52
MW - 1	08/06/09	3,572.21	-	19.66	0.00	3,552.55
MW - 1	08/19/09	3,572.21	-	19.70	0.00	3,552.51
MW - 1	08/27/09	3,572.21	-	19.71	0.00	3,552.50
MW - 1	08/31/09	3,572.21	-	19.72	0.00	3,552.49
MW - 1	09/10/09	3,572.21	-	19.66	0.00	3,552.55
MW - 1	09/17/09	3,572.21	-	19.65	0.00	3,552.56
MW - 1	09/25/09	3,572.21	-	19.63	0.00	3,552.58
MW - 1	09/29/09	3,572.21	-	19.78	0.00	3,552.43
MW - 1	10/06/09	3,572.21	-	19.71	0.00	3,552.50
MW - 1	10/19/09	3,572.21	-	19.79	0.00	3,552.42
MW - 1	10/26/09	3,572.21	-	19.86	0.00	3,552.35
MW - 1	11/06/09	3,572.21	-	19.68	0.00	3,552.53
MW - 1	*11/09/09*	3,572.21	-	19.79	0.00	3,552.42
MW - 1	12/08/09	3,572.21	-	19.71	0.00	3,552.50
MW - 1	01/05/10	3,572.21	-	19.79	0.00	3,552.42
MW - 1	*01/21/10*	3,572.21	-	19.70	0.00	3,552.51
MW - 1	*02/04/10*	3,572.21	-	19.70	0.00	3,552.51
MW - 1	03/03/10	3,572.21	-	19.78	0.00	3,552.43
MW - 1	04/16/10	3,572.21	-	19.76	0.00	3,552.45
MW - 1	*08/09/10*	3,572.21	-	19.79	0.00	3,552.42
MW - 1	*11/01/10*	3,572.21	-	19.52	0.00	3,552.69
MW - 1	*02/10/11*	3,572.21	-	19.52	0.00	3,552.69
MW - 1	*05/04/11*	3,572.21	-	19.65	0.00	3,552.56
MW - 1	05/26/11	3,572.21	-	19.68	0.00	3,552.53
MW - 1	06/09/11	3,572.21	-	19.69	0.00	3,552.52
MW - 1	06/13/11	3,572.21	-	19.65	0.00	3,552.56
MW - 1	06/29/11	3,572.21	-	19.70	0.00	3,552.51
MW - 1	07/07/11	3,572.21	-	19.71	0.00	3,552.50
MW - 1	07/08/11	3,572.21	-	19.54	0.00	3,552.67
MW - 1	08/01/11	3,572.21	-	19.68	0.00	3,552.53
MW - 1	*08/03/11*	3,572.21	-	19.53	0.00	3,552.68
MW - 1	09/12/11	3,572.21	-	19.80	0.00	3,552.41
MW - 1	10/31/11	3,572.21	-	20.00	0.00	3,552.21
MW - 1	*11/11/11*	3,572.21	-	19.77	0.00	3,552.44
MW - 1	12/07/11	3,572.21	-	19.74	0.00	3,552.47
MW - 1	12/21/11	3,572.21	-	19.75	0.00	3,552.46
MW - 1	01/03/12	3,572.21	-	19.75	0.00	3,552.46
MW - 1	01/11/12	3,572.21	-	19.71	0.00	3,552.50
MW - 1	*02/13/12*	3,572.21	-	19.78	0.00	3,552.43
MW - 1	03/19/12	3,572.21	-	19.73	0.00	3,552.48
MW - 1	*05/25/12*	3,572.21	-	19.72	0.00	3,552.49
MW - 1	06/21/12	3,572.21	-	19.71	0.00	3,552.50
MW - 1	*08/06/12*	3,572.21	-	19.81	0.00	3,552.40
MW - 1	*10/24/12*	3,572.21	-	19.76	0.00	3,552.45
MW - 1	*11/08/12*	3,572.21	-	19.73	0.00	3,552.48

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	*12/14/12*	3,572.21	-	19.76	0.00	3,552.45
MW - 1	01/24/13	3,572.21	-	19.80	0.00	3,552.41
MW - 1	02/04/13	3,572.21	-	19.76	0.00	3,552.45
MW - 1	*02/05/13*	3,572.21	-	19.74	0.00	3,552.47
MW - 1	03/26/13	3,572.21	-	19.78	0.00	3,552.43
MW - 1	*04/30/12*	3,572.21	-	19.83	0.00	3,552.38
MW - 1	05/01/13	3,572.21	-	19.83	0.00	3,552.38
MW - 1	*05/28/13*	3,572.21	-	19.78	0.00	3,552.43
MW - 1	05/30/13	3,572.21	-	19.80	0.00	3,552.41
MW - 1	06/12/13	3,572.21	-	19.84	0.00	3,552.37
MW - 1	07/02/13	3,572.21	-	19.99	0.00	3,552.22
MW - 1	08/06/13	3,572.21	-	17.82	0.00	3,554.39
MW - 1	*08/13/13*	3,572.21	-	19.68	0.00	3,552.53
MW - 1	09/25/13	3,572.21	-	19.66	0.00	3,552.55
MW - 1	10/25/13	3,572.21	-	19.76	0.00	3,552.45
MW - 1	*11/20/13*	3,572.21	-	19.65	0.00	3,552.56
MW - 1	12/23/13	3,572.21	-	19.70	0.00	3,552.51
MW - 2	02/22/00	3,571.46	-	22.95	0.00	3,548.51
MW - 2	02/23/00	3,571.46	-	22.95	0.00	3,548.51
MW - 2	04/06/00	3,571.46	-	22.87	0.00	3,548.59
MW - 2	08/29/00	3,571.46	-	22.06	0.00	3,549.40
MW - 2	12/04/00	3,571.46	-	22.48	0.00	3,548.98
MW - 2	01/23/01	3,571.46	-	22.54	0.00	3,548.92
MW - 2	05/16/01	3,571.46	-	22.53	0.00	3,548.93
MW - 2	08/06/01	3,571.46	-	22.74	0.00	3,548.72
MW - 2	09/27/01	3,571.46	-	22.85	0.00	3,548.61
MW - 2	10/29/01	3,571.46	-	22.85	0.00	3,548.61
MW - 2	03/29/02	3,571.46	-	21.86	0.00	3,549.60
MW - 2	05/20/02	3,571.46	-	22.51	0.00	3,548.95
MW - 2	09/10/02	3,571.46	-	22.59	0.00	3,548.87
MW - 2	11/14/02	3,571.46	-	22.12	0.00	3,549.34
MW - 2	12/03/03	3,571.46	-	22.99	0.00	3,548.47
MW - 2	03/03/04	3,571.46	-	23.01	0.00	3,548.45
MW - 2	05/18/04	3,571.46	-	21.06	0.00	3,550.40
MW - 2	09/07/04	3,571.46	-	22.10	0.00	3,549.36
MW - 2	12/14/04	3,571.46	-	16.61	0.00	3,554.85
MW - 2	*03/08/05*	UNABLE TO GAUGE				
MW - 2	*06/07/05*	3,571.46	-	21.82	0.00	3,549.64
MW - 2	*09/07/05*	3,571.46	-	20.60	0.00	3,550.86
MW - 2	*12/02/05*	3,571.46	-	22.06	0.00	3,549.40
MW - 2	*03/08/06*	3,571.46	-	22.30	0.00	3,549.16
MW - 2	*06/07/06*	3,571.46	-	22.36	0.00	3,549.10
MW - 2	07/13/06	3,571.46	-	22.26	0.00	3,549.20
MW - 2	07/27/06	3,571.46	-	22.31	0.00	3,549.15
MW - 2	08/10/06	3,571.46	-	22.16	0.00	3,549.30
MW - 2	*09/12/06*	3,571.46	-	16.31	0.00	3,555.15
MW - 2	09/16/06	3,571.46	-	16.78	0.00	3,554.68
MW - 2	10/04/06	3,571.46	-	16.35	0.00	3,555.11
MW - 2	11/15/06	3,571.46	-	16.00	0.00	3,555.46
MW - 2	*11/22/06*	3,571.46	-	19.95	0.00	3,551.51
MW - 2	01/11/07	3,571.46	-	21.40	0.00	3,550.06
MW - 2	*02/21/07*	3,571.46	-	21.89	0.00	3,549.57

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	*05/16/07*	3,571.46	-	22.04	0.00	3,549.42
MW - 2	*08/10/07*	3,571.46	-	22.19	0.00	3,549.27
MW - 2	*12/28/07*	3,571.46	-	22.38	0.00	3,549.08
MW - 2	*02/18/08*	3,571.46	-	22.42	0.00	3,549.04
MW - 2	*05/12/08*	3,571.46	-	22.41	0.00	3,549.05
MW - 2	*08/08/08*	3,571.46	-	22.45	0.00	3,549.01
MW - 2	*11/07/08*	3,571.46	-	22.43	0.00	3,549.03
MW - 2	*02/06/09*	3,571.46	-	22.48	0.00	3,548.98
MW - 2	04/13/09	3,571.46	-	21.02	0.00	3,550.44
MW - 2	*05/07/09*	3,571.46	-	22.49	0.00	3,548.97
MW - 2	07/07/09	3,571.46	-	22.39	0.00	3,549.07
MW - 2	*08/04/09*	3,571.46	-	22.31	0.00	3,549.15
MW - 2	*11/09/09*	3,571.46	-	22.35	0.00	3,549.11
MW - 2	01/05/10	3,571.46	-	22.40	0.00	3,549.06
MW - 2	*02/04/10*	3,571.46	-	22.42	0.00	3,549.04
MW - 2	*08/09/10*	3,571.46	-	22.35	0.00	3,549.11
MW - 2	*11/01/10*	3,571.46	-	21.78	0.00	3,549.68
MW - 2	*02/10/11*	3,571.46	-	21.80	0.00	3,549.66
MW - 2	*05/04/11*	3,571.46	-	22.34	0.00	3,549.12
MW - 2	*08/03/11*	3,571.46	-	21.82	0.00	3,549.64
MW - 2	*11/11/11*	3,571.46	-	22.48	0.00	3,548.98
MW - 2	*02/13/12*	3,571.46	-	22.48	0.00	3,548.98
MW - 2	*05/25/12*	3,571.46	-	22.45	0.00	3,549.01
MW - 2	*08/06/12*	3,571.46	-	22.51	0.00	3,548.95
MW - 2	*11/08/12*	3,571.46	-	22.42	0.00	3,549.04
MW - 2	*02/05/13*	3,571.46	-	22.43	0.00	3,549.03
MW - 2	*05/28/13*	3,571.46	-	22.48	0.00	3,548.98
MW - 2	*08/13/13*	3,571.46	-	22.41	0.00	3,549.05
MW - 2	*11/20/13*	3,571.46	-	22.33	0.00	3,549.13
MW - 3	02/22/00	3,573.46	-	20.95	0.00	3,552.51
MW - 3	02/23/00	3,573.46	-	20.92	0.00	3,552.54
MW - 3	04/06/00	3,573.46	-	20.85	0.00	3,552.61
MW - 3	08/29/00	3,573.46	-	20.53	0.00	3,552.93
MW - 3	12/04/00	3,573.46	-	20.64	0.00	3,552.82
MW - 3	01/23/01	3,573.46	-	20.60	0.00	3,552.86
MW - 3	05/16/01	3,573.46	-	20.69	0.00	3,552.77
MW - 3	08/06/01	3,573.46	-	20.89	0.00	3,552.57
MW - 3	09/27/01	3,573.46	-	20.96	0.00	3,552.50
MW - 3	10/29/01	3,573.46	-	20.96	0.00	3,552.50
MW - 3	03/29/02	3,573.46	-	20.54	0.00	3,552.92
MW - 3	05/20/02	3,573.46	-	20.78	0.00	3,552.68
MW - 3	09/10/02	3,573.46	-	20.82	0.00	3,552.64
MW - 3	11/14/02	3,573.46	-	20.68	0.00	3,552.78
MW - 3	12/03/03	3,573.46	-	21.18	0.00	3,552.28
MW - 3	03/03/04	3,573.46	-	21.17	0.00	3,552.29
MW - 3	05/18/04	3,573.46	-	20.24	0.00	3,553.22
MW - 3	09/07/04	3,573.46	-	20.58	0.00	3,552.88
MW - 3	12/14/04	3,573.46	-	18.47	0.00	3,554.99
MW - 3	*03/08/05*	3,573.46	-	20.28	0.00	3,553.18
MW - 3	*06/07/05*	3,573.46	-	20.46	0.00	3,553.00
MW - 3	*09/07/05*	3,573.46	-	20.19	0.00	3,553.27
MW - 3	*12/02/05*	3,573.46	-	20.53	0.00	3,552.93

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	*03/08/06*	3,573.46	-	20.57	0.00	3,552.89
MW - 3	*06/07/06*	3,573.46	-	20.62	0.00	3,552.84
MW - 3	*09/12/06*	3,573.46	-	18.42	0.00	3,555.04
MW - 3	*11/22/06*	3,573.46	-	20.13	0.00	3,553.33
MW - 3	*02/21/07*	3,573.46	-	20.49	0.00	3,552.97
MW - 3	*05/16/07*	3,573.46	-	20.46	0.00	3,553.00
MW - 3	*08/10/07*	3,573.46	-	20.53	0.00	3,552.93
MW - 3	*12/28/07*	3,573.46	-	26.00	0.00	3,547.46
MW - 3	*02/18/08*	3,573.46	-	20.60	0.00	3,552.86
MW - 3	*05/12/08*	3,573.46	-	20.61	0.00	3,552.85
MW - 3	*08/08/08*	3,573.46	-	20.65	0.00	3,552.81
MW - 3	*11/07/08*	3,573.46	-	20.73	0.00	3,552.73
MW - 3	*02/06/09*	3,573.46	-	*20.81*	*0.00*	*3,552.65*
MW - 3	*05/07/09*	3,573.46	-	20.68	0.00	3,552.78
MW - 3	*08/04/09*	3,573.46	-	20.58	0.00	3,552.88
MW - 3	*11/09/09*	3,573.46	-	20.63	0.00	3,552.83
MW - 3	01/05/10	3,573.46	-	20.66	0.00	3,552.80
MW - 3	*02/04/10*	3,573.46	-	20.66	0.00	3,552.80
MW - 3	*08/09/10*	3,573.46	-	20.64	0.00	3,552.82
MW - 3	*11/01/10*	3,573.46	-	20.54	0.00	3,552.92
MW - 3	*02/10/11*	3,573.46	-	20.53	0.00	3,552.93
MW - 3	*05/04/11*	3,573.46	-	20.60	0.00	3,552.86
MW - 3	*08/03/11*	3,573.46	-	20.50	0.00	3,552.96
MW - 3	*11/11/11*	3,573.46	-	20.72	0.00	3,552.74
MW - 3	*02/13/12*	3,573.46	-	20.69	0.00	3,552.77
MW - 3	*05/25/12*	3,573.46	-	20.69	0.00	3,552.77
MW - 3	*08/06/12*	3,573.46	-	20.72	0.00	3,552.74
MW - 3	*11/08/12*	3,573.46	-	20.67	0.00	3,552.79
MW - 3	*02/05/13*	3,573.46	-	20.89	0.00	3,552.57
MW - 3	*05/28/13*	3,573.46	-	20.76	0.00	3,552.70
MW - 3	*08/13/13*	3,573.46	-	20.65	0.00	3,552.81
MW - 3	*11/20/13*	3,573.46	-	20.62	0.00	3,552.84
MW - 4	02/22/00	3,570.15	21.94	22.00	0.06	3,548.20
MW - 4	04/06/00	3,570.15	20.88	20.90	0.02	3,549.27
MW - 4	08/29/00	3,570.15	20.43	20.54	0.11	3,549.70
MW - 4	12/04/00	3,570.15	20.54	20.68	0.14	3,549.59
MW - 4	01/23/01	3,570.15	20.62	20.81	0.19	3,549.50
MW - 4	05/16/01	3,570.15	20.57	20.89	0.32	3,549.53
MW - 4	08/06/01	3,570.15	20.83	21.07	0.24	3,549.28
MW - 4	09/27/01	3,570.15	20.89	21.16	0.27	3,549.22
MW - 4	10/29/01	3,570.15	20.89	21.16	0.27	3,549.22
MW - 4	03/29/02	3,570.15	20.62	20.75	0.13	3,549.51
MW - 4	05/20/02	3,570.15	20.64	20.93	0.29	3,549.47
MW - 4	09/10/02	3,570.15	20.65	20.98	0.33	3,549.45
MW - 4	10/08/02	3,570.15	20.74	21.14	0.40	3,549.35
MW - 4	10/14/02	3,570.15	20.76	20.92	0.16	3,549.37
MW - 4	10/22/02	3,570.15	20.82	20.90	0.08	3,549.32
MW - 4	11/14/02	3,570.15	20.45	20.50	0.05	3,549.69
MW - 4	12/03/03	3,570.15	20.93	21.19	0.26	3,549.18
MW - 4	01/14/04	3,570.15	21.43	21.86	0.43	3,548.66
MW - 4	01/19/04	3,570.15	21.42	21.85	0.43	3,548.67
MW - 4	01/27/04	3,570.15	21.47	21.91	0.44	3,548.61

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	02/03/04	3,570.15	21.42	21.90	0.48	3,548.66
MW - 4	02/10/04	3,570.15	20.40	20.68	0.28	3,549.71
MW - 4	02/19/04	3,570.15	21.18	21.47	0.29	3,548.93
MW - 4	02/23/04	3,570.15	20.36	20.57	0.21	3,549.76
MW - 4	03/02/04	3,570.15	20.41	20.59	0.18	3,549.71
MW - 4	03/03/04	3,570.15	21.00	21.14	0.14	3,549.13
MW - 4	03/11/04	3,570.15	21.18	21.33	0.15	3,548.95
MW - 4	03/15/04	3,570.15	21.15	21.19	0.04	3,548.99
MW - 4	03/17/04	3,570.15	21.46	21.60	0.14	3,548.67
MW - 4	03/22/04	3,570.15	21.51	21.65	0.14	3,548.62
MW - 4	03/24/04	3,570.15	20.96	21.02	0.06	3,549.18
MW - 4	03/29/04	3,570.15	21.48	21.57	0.09	3,548.66
MW - 4	04/07/04	3,570.15	-	21.10	0.00	3,549.05
MW - 4	04/13/04	3,570.15	-	19.63	0.00	3,550.52
MW - 4	04/20/04	3,570.15	-	20.06	0.00	3,550.09
MW - 4	04/27/04	3,570.15	-	20.35	0.00	3,549.80
MW - 4	05/11/04	3,570.15	-	20.86	0.00	3,549.29
MW - 4	05/18/04	3,570.15	-	20.62	0.00	3,549.53
MW - 4	06/17/04	3,570.15	20.65	20.66	0.01	3,549.50
MW - 4	06/23/04	3,570.15	-	20.68	0.00	3,549.47
MW - 4	06/30/04	3,570.15	-	20.66	0.00	3,549.49
MW - 4	07/07/04	3,570.15	20.67	20.68	0.01	3,549.48
MW - 4	07/21/04	3,570.15	-	20.48	0.00	3,549.67
MW - 4	07/23/04	3,570.15	-	20.48	0.00	3,549.67
MW - 4	08/04/04	3,570.15	-	20.47	0.00	3,549.68
MW - 4	08/11/04	3,570.15	-	20.47	0.00	3,549.68
MW - 4	09/07/04	3,570.15	sheen	19.52	0.00	3,550.63
MW - 4	09/13/04	3,570.15	sheen	20.55	0.00	3,549.60
MW - 4	09/21/04	3,570.15	sheen	19.59	0.00	3,550.56
MW - 4	10/12/04	3,570.15	sheen	19.20	0.00	3,550.95
MW - 4	10/21/04	3,570.15	sheen	19.62	0.00	3,550.53
MW - 4	10/28/04	3,570.15	sheen	19.60	0.00	3,550.55
MW - 4	11/03/04	3,570.15	sheen	19.89	0.00	3,550.26
MW - 4	11/10/04	3,570.15	sheen	19.80	0.00	3,550.35
MW - 4	11/17/04	3,570.15	sheen	19.97	0.00	3,550.18
MW - 4	12/01/04	3,570.15	sheen	19.39	0.00	3,550.76
MW - 4	12/08/04	3,570.15	sheen	19.49	0.00	3,550.66
MW - 4	12/14/04	3,570.15	-	19.70	0.00	3,550.45
MW - 4	12/16/04	3,570.15	sheen	19.70	0.00	3,550.45
MW - 4	12/28/04	3,570.15	sheen	19.51	0.00	3,550.64
MW - 4	01/05/05	3,570.15	sheen	20.00	0.00	3,550.15
MW - 4	01/13/05	3,570.15	sheen	19.98	0.00	3,550.17
MW - 4	01/19/05	3,570.15	sheen	20.01	0.00	3,550.14
MW - 4	01/27/05	3,570.15	sheen	20.08	0.00	3,550.07
MW - 4	02/03/05	3,570.15	sheen	20.11	0.00	3,550.04
MW - 4	02/10/05	3,570.15	sheen	20.17	0.00	3,549.98
MW - 4	02/17/05	3,570.15	sheen	20.23	0.00	3,549.92
MW - 4	02/24/05	3,570.15	sheen	20.19	0.00	3,549.96
MW - 4	03/03/05	3,570.15	sheen	20.14	0.00	3,550.01
MW - 4	*03/08/05*	3,570.15	sheen	20.33	0.00	3,549.82
MW - 4	03/10/05	3,570.15	sheen	20.33	0.00	3,549.82
MW - 4	03/17/05	3,570.15	sheen	20.29	0.00	3,549.86
MW - 4	03/24/05	3,570.15	sheen	20.33	0.00	3,549.82

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	03/31/05	3,570.15	sheen	20.38	0.00	3,549.77
MW - 4	04/07/05	3,570.15	sheen	20.37	0.00	3,549.78
MW - 4	04/14/05	3,570.15	sheen	20.29	0.00	3,549.86
MW - 4	05/24/05	3,570.15	sheen	18.99	0.00	3,551.16
MW - 4	*06/07/05*	3,570.15	sheen	20.39	0.00	3,549.76
MW - 4	06/23/05	3,570.15	sheen	20.50	0.00	3,549.65
MW - 4	07/28/05	3,570.15	sheen	20.50	0.00	3,549.65
MW - 4	08/24/05	3,570.15	sheen	20.49	0.00	3,549.66
MW - 4	*09/07/05*	3,570.15	sheen	20.25	0.00	3,549.90
MW - 4	09/30/05	3,570.15	-	20.30	0.00	3,549.85
MW - 4	10/28/05	3,570.15	sheen	20.61	0.00	3,549.54
MW - 4	11/16/05	3,570.15	sheen	20.62	0.00	3,549.53
MW - 4	*12/02/05*	3,570.15	-	20.67	0.00	3,549.48
MW - 4	12/30/05	3,570.15	sheen	20.82	0.00	3,549.33
MW - 4	01/18/06	3,570.15	sheen	20.82	0.00	3,549.33
MW - 4	02/17/06	3,570.15	sheen	20.83	0.00	3,549.32
MW - 4	*03/08/06*	3,570.15	sheen	20.75	0.00	3,549.40
MW - 4	03/20/06	3,570.15	sheen	20.61	0.00	3,549.54
MW - 4	04/19/06	3,570.15	sheen	20.60	0.00	3,549.55
MW - 4	05/25/06	3,570.15	sheen	20.61	0.00	3,549.54
MW - 4	*06/07/06*	3,570.15	20.61	20.62	0.01	3,549.54
MW - 4	06/08/06	3,570.15	20.59	20.61	0.02	3,549.56
MW - 4	07/13/06	3,570.15	sheen	20.59	0.00	3,549.56
MW - 4	07/27/06	3,570.15	sheen	20.77	0.00	3,549.38
MW - 4	08/10/06	3,570.15	sheen	20.84	0.00	3,549.31
MW - 4	*09/12/06*	3,570.15	-	19.65	0.00	3,550.50
MW - 4	09/16/06	3,570.15	sheen	19.67	0.00	3,550.48
MW - 4	10/04/06	3,570.15	sheen	19.71	0.00	3,550.44
MW - 4	11/15/06	3,570.15	sheen	19.42	0.00	3,550.73
MW - 4	*11/22/06*	3,570.15	sheen	20.10	0.00	3,550.05
MW - 4	01/11/07	3,570.15	20.42	20.43	0.01	3,549.73
MW - 4	02/05/07	3,570.15	sheen	20.49	0.00	3,549.66
MW - 4	*02/21/07*	3,570.15	sheen	20.65	0.00	3,549.50
MW - 4	03/27/07	3,570.15	20.52	20.54	0.02	3,549.63
MW - 4	05/16/07	3,570.15	sheen	20.54	0.00	3,549.61
MW - 4	08/10/07	3,570.15	20.56	20.58	0.02	3,549.59
MW - 4	*12/28/07*	3,570.15	sheen	20.83	0.00	3,549.32
MW - 4	*02/18/08*	3,570.15	-	20.90	0.00	3,549.25
MW - 4	04/10/08	3,570.15	20.61	20.68	0.07	3,549.53
MW - 4	*05/12/08*	3,570.15	20.61	20.67	0.06	3,549.53
MW - 4	06/27/08	3,570.15	20.67	20.77	0.10	3,549.47
MW - 4	07/16/08	3,570.15	20.57	20.67	0.10	3,549.57
MW - 4	*08/08/08*	3,570.15	20.52	20.57	0.05	3,549.62
MW - 4	08/12/08	3,570.15	-	20.61	0.00	3,549.54
MW - 4	10/08/08	3,570.15	-	19.78	0.00	3,550.37
MW - 4	10/24/08	3,570.15	-	20.78	0.00	3,549.37
MW - 4	11/03/08	3,570.15	-	20.94	0.00	3,549.21
MW - 4	*11/07/08*	3,570.15	-	20.96	0.00	3,549.19
MW - 4	11/10/08	3,570.15	-	20.98	0.00	3,549.17
MW - 4	11/17/08	3,570.15	-	21.05	0.00	3,549.10
MW - 4	11/24/08	3,570.15	-	20.01	0.00	3,550.14
MW - 4	12/01/08	3,570.15	-	26.92	0.00	3,543.23
MW - 4	12/08/08	3,570.15	-	20.11	0.00	3,550.04

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	12/15/08	3,570.15	-	26.95	0.00	3,543.20
MW - 4	12/19/08	3,570.15	-	20.85	0.00	3,549.30
MW - 4	12/22/08	3,570.15	-	20.64	0.00	3,549.51
MW - 4	12/29/08	3,570.15	-			
MW - 4	01/07/09	3,570.15	-	20.86	0.00	3,549.29
MW - 4	*01/12/09*	3,570.15	-	19.87	0.00	3,550.28
MW - 4	*01/15/09*	3,570.15	-	20.89	0.00	3,549.26
MW - 4	*01/19/09*	3,570.15	-	20.87	0.00	3,549.28
MW - 4	*01/21/09*	3,570.15	-	20.94	0.00	3,549.21
MW - 4	*01/29/09*	3,570.15	-	20.89	0.00	3,549.26
MW - 4	*02/06/09*	3,570.15	-	20.98	0.00	3,549.17
MW - 4	*02/17/09*	3,570.15	-	21.10	0.00	3,549.05
MW - 4	02/23/09	3,570.15	-	21.13	0.00	3,549.02
MW - 4	*03/02/09*	3,570.15	-	21.13	0.00	3,549.02
MW - 4	03/05/09	3,570.15	-	20.00	0.00	3,550.15
MW - 4	03/09/09	3,570.15	-	21.05	0.00	3,549.10
MW - 4	*03/17/09*	3,570.15	-	21.03	0.00	3,549.12
MW - 4	03/18/09	3,570.15	-	21.04	0.00	3,549.11
MW - 4	03/26/09	3,570.15	-	21.05	0.00	3,549.10
MW - 4	03/30/09	3,570.15	-	20.99	0.00	3,549.16
MW - 4	04/06/09	3,570.15	-	21.23	0.00	3,548.92
MW - 4	04/16/09	3,570.15	-	21.02	0.00	3,549.13
MW - 4	04/20/09	3,570.15	-	21.25	0.00	3,548.90
MW - 4	04/23/09	3,570.15	-	21.02	0.00	3,549.13
MW - 4	04/27/09	3,570.15	-	21.02	0.00	3,549.13
MW - 4	04/30/09	3,570.15	-	21.01	0.00	3,549.14
MW - 4	*05/07/09*	3,570.15	-	21.20	0.00	3,548.95
MW - 4	05/21/09	3,570.15	-	21.10	0.00	3,549.05
MW - 4	05/26/09	3,570.15	-	20.84	0.00	3,549.31
MW - 4	06/02/09	3,570.15	-	20.80	0.00	3,549.35
MW - 4	06/08/09	3,570.15	-	20.77	0.00	3,549.38
MW - 4	06/17/09	3,570.15	-	20.98	0.00	3,549.17
MW - 4	06/29/09	3,570.15	-	20.99	0.00	3,549.16
MW - 4	07/07/09	3,570.15	-	20.73	0.00	3,549.42
MW - 4	07/14/09	3,570.15	-	20.72	0.00	3,549.43
MW - 4	07/21/09	3,570.15	-	20.83	0.00	3,549.32
MW - 4	07/27/09	3,570.15	-	20.68	0.00	3,549.47
MW - 4	07/30/09	3,570.15	-	20.72	0.00	3,549.43
MW - 4	*08/04/09*	3,570.15	-	20.71	0.00	3,549.44
MW - 4	08/06/09	3,570.15	-	20.75	0.00	3,549.40
MW - 4	08/19/09	3,570.15	-	20.78	0.00	3,549.37
MW - 4	08/27/09	3,570.15	-	20.72	0.00	3,549.43
MW - 4	08/31/09	3,570.15	-	20.73	0.00	3,549.42
MW - 4	09/10/09	3,570.15	-	20.77	0.00	3,549.38
MW - 4	09/17/09	3,570.15	-	20.78	0.00	3,549.37
MW - 4	09/25/09	3,570.15	-	20.20	0.00	3,549.95
MW - 4	09/29/09	3,570.15	-	20.85	0.00	3,549.30
MW - 4	10/06/09	3,570.15	-	20.81	0.00	3,549.34
MW - 4	10/19/09	3,570.15	-	20.78	0.00	3,549.37
MW - 4	10/26/09	3,570.15	-	20.74	0.00	3,549.41
MW - 4	11/06/09	3,570.15	-	20.70	0.00	3,549.45
MW - 4	11/09/09	3,570.15	-	20.75	0.00	3,549.40
MW - 4	12/08/09	3,570.15	-	20.84	0.00	3,549.31

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	01/05/10	3,570.15	-	20.86	0.00	3,549.29
MW - 4	01/21/10	3,570.15	-	20.79	0.00	3,549.36
MW - 4	*02/04/10*	3,570.15	-	20.61	0.00	3,549.54
MW - 4	03/03/10	3,570.15	-	20.98	0.00	3,549.17
MW - 4	04/16/10	3,570.15	-	20.96	0.00	3,549.19
MW - 4	*08/09/10*	3,570.15	-	20.74	0.00	3,549.41
MW - 4	*11/01/10*	3,570.15	-	20.66	0.00	3,549.49
MW - 4	*02/10/11*	3,570.15	-	20.65	0.00	3,549.50
MW - 4	*05/04/11*	3,570.15	-	20.81	0.00	3,549.34
MW - 4	*08/03/11*	3,570.15	-	20.61	0.00	3,549.54
MW - 4	*11/11/11*	3,570.15	-	21.00	0.00	3,549.15
MW - 4	*02/13/12*	3,570.15	-	21.06	0.00	3,549.09
MW - 4	*05/25/12*	3,570.15	-	21.08	0.00	3,549.07
MW - 4	*08/06/12*	3,570.15	-	21.09	0.00	3,549.06
MW - 4	*11/08/12*	3,570.15	-	20.91	0.00	3,549.24
MW - 4	*02/05/13*	3,570.15	-	20.94	0.00	3,549.21
MW - 4	*05/28/13*	3,570.15	-	21.02	0.00	3,549.13
MW - 4	05/30/13	3,570.15	-	21.01	0.00	3,549.14
MW - 4	06/12/13	3,570.15	-	21.02	0.00	3,549.13
MW - 4	08/06/13	3,570.15	-	21.81	0.00	3,548.34
MW - 4	*08/13/13*	3,570.15	-	20.87	0.00	3,549.28
MW - 4	*11/20/13*	3,570.15	-	20.91	0.00	3,549.24
MW - 4	12/23/13	3,570.15	-	20.92	0.00	3,549.23
MW - 5	02/22/00	3,562.92	-	19.81	0.00	3,543.11
MW - 5	02/23/00	3,562.92	-	19.80	0.00	3,543.12
MW - 5	04/06/00	3,572.92	-	19.74	0.00	3,553.18
MW - 5	08/29/00	3,572.92	-	19.33	0.00	3,553.59
MW - 5	12/04/00	3,572.92	-	19.46	0.00	3,553.46
MW - 5	01/23/01	3,572.92	-	19.52	0.00	3,553.40
MW - 5	05/16/01	3,572.92	-	19.55	0.00	3,553.37
MW - 5	08/06/01	3,572.92	-	19.80	0.00	3,553.12
MW - 5	09/27/01	3,572.92	-	19.86	0.00	3,553.06
MW - 5	10/29/01	3,572.92	-	19.86	0.00	3,553.06
MW - 5	03/29/02	3,572.92	-	19.19	0.00	3,553.73
MW - 5	05/20/02	3,572.92	-	19.65	0.00	3,553.27
MW - 5	09/10/02	3,572.92	-	19.72	0.00	3,553.20
MW - 5	11/14/02	3,572.92	-	19.55	0.00	3,553.37
MW - 5	12/03/03	3,572.92	-	20.09	0.00	3,552.83
MW - 5	05/18/04	3,572.92	-	18.90	0.00	3,554.02
MW - 5	09/07/04	3,572.92	-	19.34	0.00	3,553.58
MW - 5	12/14/04	3,572.92	-	15.53	0.00	3,557.39
MW - 5	*03/08/05*	3,572.92	-	18.68	0.00	3,554.24
MW - 5	*06/07/05*	3,572.92	-	19.12	0.00	3,553.80
MW - 5	*09/07/05*	3,572.92	-	18.55	0.00	3,554.37
MW - 5	*12/02/05*	3,572.92	-	19.24	0.00	3,553.68
MW - 5	*03/08/06*	3,572.92	-	19.32	0.00	3,553.60
MW - 5	*06/07/06*	3,572.92	-	19.39	0.00	3,553.53
MW - 5	*09/12/06*	3,572.92	-	15.41	0.00	3,557.51
MW - 5	*11/22/06*	3,572.92	-	18.49	0.00	3,554.43
MW - 5	*02/21/07*	3,572.92	-	19.16	0.00	3,553.76
MW - 5	*05/16/07*	3,572.92	-	19.07	0.00	3,553.85
MW - 5	*08/10/07*	3,572.92	-	19.27	0.00	3,553.65

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	*12/28/07*	3,572.92	-	19.35	0.00	3,553.57
MW - 5	*02/18/08*	3,572.92	-	19.35	0.00	3,553.57
MW - 5	*05/08/08*	3,572.92	-	19.38	0.00	3,553.54
MW - 5	*08/08/08*	3,572.92	-	19.46	0.00	3,553.46
MW - 5	*11/07/08*	3,572.92	-	19.55	0.00	3,553.37
MW - 5	*02/06/09*	3,572.92	-	19.66	0.00	3,553.26
MW - 5	*05/07/09*	3,572.92	-	19.52	0.00	3,553.40
MW - 5	*08/04/09*	3,572.92	-	19.37	0.00	3,553.55
MW - 5	*11/09/09*	3,572.92	-	19.40	0.00	3,553.52
MW - 5	01/05/10	3,572.92	-	19.46	0.00	3,553.46
MW - 5	*02/04/10*	3,572.92	-	19.46	0.00	3,553.46
MW - 5	*08/09/10*	3,572.92	-	19.41	0.00	3,553.51
MW - 5	*11/01/10*	3,572.92	-	19.21	0.00	3,553.71
MW - 5	*02/10/11*	3,572.92	-	19.23	0.00	3,553.69
MW - 5	*05/04/11*	3,572.92	-	19.38	0.00	3,553.54
MW - 5	*08/03/11*	3,572.92	-	19.21	0.00	3,553.71
MW - 5	*11/11/11*	3,572.92	-	19.53	0.00	3,553.39
MW - 5	*02/13/12*	3,572.92	-	19.51	0.00	3,553.41
MW - 5	*05/25/12*	3,572.92	-	19.53	0.00	3,553.39
MW - 5	*08/06/12*	3,572.92	-	19.55	0.00	3,553.37
MW - 5	*11/08/12*	3,572.92	-	19.50	0.00	3,553.42
MW - 5	*02/05/13*	3,572.92	-	19.53	0.00	3,553.39
MW - 5	*05/28/13*	3,572.92	-	19.61	0.00	3,553.31
MW - 5	*08/13/13*	3,572.92	-	19.48	0.00	3,553.44
MW - 5	*11/20/13*	3,572.92	-	19.42	0.00	3,553.50
MW - 6	09/18/01	3,572.11	-	19.90	0.00	3,552.21
MW - 6	09/27/01	3,572.11	-	19.86	0.00	3,552.25
MW - 6	10/29/01	3,572.11	-	19.86	0.00	3,552.25
MW - 6	03/29/02	3,572.11	-	19.62	0.00	3,552.49
MW - 6	05/20/02	3,572.11	-	19.56	0.00	3,552.55
MW - 6	09/10/02	3,572.11	-	19.68	0.00	3,552.43
MW - 6	11/14/02	3,572.11	-	19.52	0.00	3,552.59
MW - 6	12/03/03	3,572.11	-	20.06	0.00	3,552.05
MW - 6	05/18/04	3,572.11	-	18.25	0.00	3,553.86
MW - 6	09/07/04	3,572.11	-	18.85	0.00	3,553.26
MW - 6	12/14/04	3,572.11	-	17.65	0.00	3,554.46
MW - 6	*03/08/05*	3,572.11	-	18.11	0.00	3,554.00
MW - 6	*06/07/05*	3,572.11	-	18.28	0.00	3,553.83
MW - 6	*09/07/05*	3,572.11	-	18.01	0.00	3,554.10
MW - 6	*12/02/05*	3,572.11	-	18.44	0.00	3,553.67
MW - 6	*03/08/06*	3,572.11	-	18.53	0.00	3,553.58
MW - 6	*06/07/06*	3,572.11	-	18.66	0.00	3,553.45
MW - 6	*09/12/06*	3,572.11	-	17.39	0.00	3,554.72
MW - 6	*11/22/06*	3,572.11	-	18.07	0.00	3,554.04
MW - 6	*02/21/07*	3,572.11	-	18.36	0.00	3,553.75
MW - 6	*05/16/07*	3,572.11	-	18.37	0.00	3,553.74
MW - 6	*08/10/07*	3,572.11	-	18.51	0.00	3,553.60
MW - 6	*12/28/07*	3,572.11	-	19.57	0.00	3,552.54
MW - 6	*02/18/08*	3,572.11	-	18.58	0.00	3,553.53
MW - 6	*05/08/08*	3,572.11	-	18.64	0.00	3,553.47
MW - 6	*08/08/08*	3,572.11	-	18.88	0.00	3,553.23
MW - 6	*11/07/08*	3,572.11	-	19.35	0.00	3,552.76

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	*02/06/09*	3,572.11	-	19.55	0.00	3,552.56
MW - 6	*05/07/09*	3,572.11	-	18.94	0.00	3,553.17
MW - 6	*08/04/09*	3,572.11	-	18.56	0.00	3,553.55
MW - 6	*11/09/09*	3,572.11	-	18.64	0.00	3,553.47
MW - 6	01/05/10	3,572.11	-	18.74	0.00	3,553.37
MW - 6	*02/04/10*	3,572.11	-	18.74	0.00	3,553.37
MW - 6	*08/09/10*	3,572.11	-	18.64	0.00	3,553.47
MW - 6	*11/01/10*	3,572.11	-	18.39	0.00	3,553.72
MW - 6	*02/10/11*	3,572.11	-	18.41	0.00	3,553.70
MW - 6	*05/04/11*	WELL PLUGGED & ABANDONED.				
MW - 7	09/18/01	3,569.75	-	23.35	0.00	3,546.40
MW - 7	09/27/01	3,569.75	-	23.35	0.00	3,546.40
MW - 7	10/29/01	3,569.75	-	23.35	0.00	3,546.40
MW - 7	03/29/02	3,569.75	-	19.82	0.00	3,549.93
MW - 7	04/16/02	3,569.75	-	22.28	0.00	3,547.47
MW - 7	05/13/02	3,569.75	-	22.90	0.00	3,546.85
MW - 7	05/20/02	3,569.75	-	22.95	0.00	3,546.80
MW - 7	09/10/02	3,569.75	-	23.00	0.00	3,546.75
MW - 7	11/14/02	3,569.75	-	21.19	0.00	3,548.56
MW - 7	12/03/03	3,569.75	-	23.54	0.00	3,546.21
MW - 7	05/18/04	3,569.75	-	21.38	0.00	3,548.37
MW - 7	09/07/04	3,569.75	-	22.35	0.00	3,547.40
MW - 7	12/14/04	3,569.75	-	18.25	0.00	3,551.50
MW - 7	*03/08/05*	3,569.75	-	21.48	0.00	3,548.27
MW - 7	*06/07/05*	3,569.75	-	22.27	0.00	3,547.48
MW - 7	*09/07/05*	3,569.75	-	21.21	0.00	3,548.54
MW - 7	*12/02/05*	3,569.75	-	22.64	0.00	3,547.11
MW - 7	*03/08/06*	3,569.75	-	22.99	0.00	3,546.76
MW - 7	*06/07/06*	3,569.75	-	23.06	0.00	3,546.69
MW - 7	*09/12/06*	3,569.75	-	15.57	0.00	3,554.18
MW - 7	*11/22/06*	3,569.75	-	20.81	0.00	3,548.94
MW - 7	*02/21/07*	3,569.75	-	22.41	0.00	3,547.34
MW - 7	*05/16/07*	3,569.75	-	22.60	0.00	3,547.15
MW - 7	*08/10/07*	3,569.75	-	22.84	0.00	3,546.91
MW - 7	*12/28/07*	3,569.75	-	23.05	0.00	3,546.70
MW - 7	*02/18/08*	3,569.75	-	23.12	0.00	3,546.63
MW - 7	*05/08/08*	3,569.75	-	23.16	0.00	3,546.59
MW - 7	*08/08/08*	3,569.75	-	23.19	0.00	3,546.56
MW - 7	*11/07/08*	3,569.75	-	23.15	0.00	3,546.60
MW - 7	*02/06/09*	3,569.75	-	23.31	0.00	3,546.44
MW - 7	*05/07/09*	3,569.75	-	23.34	0.00	3,546.41
MW - 7	*08/04/09*	3,569.75	-	23.01	0.00	3,546.74
MW - 7	*11/09/09*	3,569.75	-	23.13	0.00	3,546.62
MW - 7	01/05/10	3,569.75	-	23.22	0.00	3,546.53
MW - 7	*02/04/10*	3,569.75	-	23.22	0.00	3,546.53
MW - 7	*08/09/10*	3,569.75	-	23.12	0.00	3,546.63
MW - 7	*11/01/10*	3,569.75	-	22.31	0.00	3,547.44
MW - 7	*02/10/11*	3,569.75	-	22.31	0.00	3,547.44
MW - 7	*05/04/11*	3,569.75	-	23.13	0.00	3,546.62
MW - 7	*08/03/11*	3,569.75	-	22.31	0.00	3,547.44
MW - 7	*11/11/11*	3,569.75	-	23.28	0.00	3,546.47
MW - 7	*02/13/12*	3,569.75	-	23.30	0.00	3,546.45

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0103

SAMPLE LOCATION	SAMPLE DATE	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	*05/25/12*	3,569.75	-	23.29	0.00	3,546.46
MW - 7	*08/06/12*	3,569.75	-	23.34	0.00	3,546.41
MW - 7	*11/08/12*	3,569.75	-	23.23	0.00	3,546.52
MW - 7	*02/05/13*	3,569.75	-	23.29	0.00	3,546.46
MW - 7	*05/28/13*	3,569.75	-	23.35	0.00	3,546.40
MW - 7	*08/13/13*	3,569.75	-	23.05	0.00	3,546.70
MW - 7	*11/20/13*	3,569.75	-	23.10	0.00	3,546.65
MW - 8	10/07/05	3,573.59	-	20.75	0.00	3,552.84
MW - 8	*12/02/05*	3,573.59	-	20.90	0.00	3,552.69
MW - 8	*03/08/06*	3,573.59	-	20.95	0.00	3,552.64
MW - 8	*06/07/06*	3,573.59	-	21.06	0.00	3,552.53
MW - 8	*09/12/06*	3,573.59	-	15.85	0.00	3,557.74
MW - 8	*11/22/06*	3,573.59	-	20.53	0.00	3,553.06
MW - 8	*02/21/07*	3,573.59	-	20.93	0.00	3,552.66
MW - 8	*05/16/07*	3,573.59	-	21.96	0.00	3,551.63
MW - 8	*08/10/07*	3,573.59	-	21.01	0.00	3,552.58
MW - 8	*12/28/07*	3,573.59	-	21.04	0.00	3,552.55
MW - 8	*02/18/08*	3,573.59	-	21.06	0.00	3,552.53
MW - 8	*05/08/08*	3,573.59	-	21.08	0.00	3,552.51
MW - 8	*08/08/08*	3,573.59	-	21.19	0.00	3,552.40
MW - 8	*11/07/08*	3,573.59	-	21.11	0.00	3,552.48
MW - 8	*02/06/09*	3,573.59	-	21.19	0.00	3,552.40
MW - 8	*05/07/09*	3,573.59	-	21.14	0.00	3,552.45
MW - 8	*08/04/09*	3,573.59	-	21.08	0.00	3,552.51
MW - 8	*11/09/09*	3,573.59	-	21.10	0.00	3,552.49
MW - 8	01/05/10	3,573.59	-	21.14	0.00	3,552.45
MW - 8	*02/04/10*	3,573.59	-	21.13	0.00	3,552.46
MW - 8	*08/09/10*	3,573.59	-	21.12	0.00	3,552.47
MW - 8	*11/01/10*	3,573.59	-	20.97	0.00	3,552.62
MW - 8	*02/10/11*	3,573.59	-	20.97	0.00	3,552.62
MW - 8	*05/04/11*	3,573.59	-	21.08	0.00	3,552.51
MW - 8	*08/03/11*	3,573.59	-	20.95	0.00	3,552.64
MW - 8	*11/11/11*	3,573.59	-	21.26	0.00	3,552.33
MW - 8	*02/13/12*	3,573.59	-	21.18	0.00	3,552.41
MW - 8	*05/25/12*	3,573.59	-	21.23	0.00	3,552.36
MW - 8	*08/06/12*	3,573.59	-	21.21	0.00	3,552.38
MW - 8	*11/08/12*	3,573.59	-	21.14	0.00	3,552.45
MW - 8	*02/05/13*	3,573.59	-	21.21	0.00	3,552.38
MW - 8	*05/28/13*	3,573.59	-	21.30	0.00	3,552.29
MW - 8	*08/13/13*	3,573.59	-	21.11	0.00	3,552.48
MW - 8	*11/20/13*	3,573.59	-	21.07	0.00	3,552.52

Note: "-" denotes no PSH measured during gauging.
Elevations based on the North American Vertical Datum of 1929.

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 1	02/23/00	**0.12**	0.02	0.011	0.073	0.039
MW - 1	04/06/00	**0.355**	0.024	0.022	0.274	0.083
MW - 1	05/18/04	**1.74**	0.031	0.218	**1.16**	**0.415**
MW - 1	09/07/04	**1.16**	0.011	0.189	**1.21**	**0.335**
MW - 1	12/14/04	**0.309**	<0.005	0.116	0.572	
MW - 1	03/08/05	**0.19**	0.0198	0.173	0.556	
MW - 1	06/07/05	**0.554**	<0.200	<0.200	0.572	
MW - 1	09/07/05	**0.639**	<0.01	0.204	**0.985**	
MW - 1	12/02/05	**0.299**	<0.100	<0.100	<0.1	
MW - 1	03/08/06	**0.247**	<0.02	0.0436	0.154	
MW - 1	06/07/06	**0.198**	<0.005	0.0324	0.117	
MW - 1	09/12/06	**0.303**	<0.200	<0.200	0.498	
MW - 1	11/22/06	**0.407**	<0.00100	0.323	**0.949**	
MW - 1	02/21/07	**0.283**	<0.05000	0.14	0.348	
MW - 1	05/16/07	**0.213**	<0.02000	0.118	0.356	
MW - 1	08/10/07	**0.0109**	<0.00100	0.0038	0.0099	
MW - 1	12/28/07	**0.139**	<0.00500	0.0596	0.0882	
MW - 1	02/18/08	**0.117**	<0.00100	0.0303	0.0642	
MW - 1	05/12/08	**0.102**	<0.00100	0.0054	0.0079	
MW - 1	08/08/08	**0.105**	<0.00100	0.0310	0.0326	
MW - 1	11/07/08	**0.0375**	<0.00100	0.0060	0.0049	
MW - 1	02/06/09	**0.0110**	<0.00100	<0.00100	<0.00100	
MW - 1	05/07/09	**0.0148**	<0.00100	<0.00100	0.0070	
MW - 1	08/04/09	**0.0197**	<0.00100	<0.00100	<0.00100	
MW - 1	11/09/09	0.0060	<0.00100	<0.00100	<0.00100	
MW - 1	02/04/10	**0.0311**	<0.00100	<0.00100	<0.00100	
MW - 1	08/09/10	**0.1170**	<0.00100	0.0039	<0.00100	
MW - 1	11/01/10	**0.0822**	<0.00100	<0.00100	<0.00100	
MW - 1	02/10/11	**0.0242**	<0.00100	<0.00100	<0.00100	
MW - 1	05/04/11	**0.0275**	<0.00100	<0.00100	<0.00100	
MW - 1	08/03/11	**0.0880**	<0.00100	<0.00100	<0.00100	
MW - 1	11/11/11	**0.0388**	<0.00100	<0.00100	<0.00100	
MW - 1	02/13/12	**0.0257**	<0.00100	<0.00100	<0.00100	
MW - 1	05/25/12	**0.0913**	<0.00100	<0.00100	<0.00100	
MW - 1	08/06/12	**0.1530**	<0.00500	<0.00500	<0.00500	
MW - 1	11/08/12	0.0065	<0.00100	<0.00100	<0.00100	
MW - 1	02/05/13	**0.0133**	<0.00100	<0.00100	<0.00100	
MW - 1	05/28/13	**0.0189**	<0.00100	<0.00100	<0.00100	
MW - 1	08/13/13	0.0073	<0.00100	<0.00100	<0.00100	
MW - 1	11/20/13	0.00740	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 2	02/23/00	**0.196**	0.004	<0.00100	0.037	0.003
MW - 2	04/06/00	**0.278**	0.005	0.002	0.086	<0.001
MW - 2	08/29/00	**0.272**	0.007	0.026	0.055	0.026
MW - 2	12/04/00	**0.046**	<0.00100	0.006	0.009	0.002
MW - 2	01/23/01	**0.111**	<0.00100	0.006	0.016	0.001
MW - 2	05/16/01	**0.0937**	<0.00100	<0.00100	0.0013	
MW - 2	08/06/01	**0.096**	<0.00100	0.025	0.013	0.002
MW - 2	10/29/01	**0.049**	<0.00100	0.024	0.003	0.001
MW - 2	03/29/02	**0.025**	0.004	0.023	0.101	0.036
MW - 2	05/20/02	**0.025**	<0.00100	0.037	0.048	0.03
MW - 2	09/10/02	**0.042**	<0.00100	0.019	0.018	0.007
MW - 2	11/14/02	**0.032**	<0.00100	0.018	0.032	0.013
MW - 2	12/03/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 2	03/03/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 2	05/18/04	0.00726	<0.00100	0.00802	0.0169	0.00673
MW - 2	09/07/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 2	12/14/04	0.0039	<0.00100	0.0139	0.0149	
MW - 2	03/08/05	Not sampled due to well obstruction				
MW - 2	06/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	09/07/05	0.0022	<0.001	0.0238	0.0361	
MW - 2	12/02/05	0.0017	<0.001	0.0024	0.0025	
MW - 2	03/08/06	0.0058	<0.001	0.0054	0.0112	
MW - 2	06/07/06	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 2	09/12/06	0.0092	<0.001	0.105	0.184	
MW - 2	11/22/06	0.0044	<0.001	0.0313	0.0384	
MW - 2	02/21/07	0.002	<0.001	0.005	0.0109	
MW - 2	05/16/07	<0.00100	<0.00100	0.0086	0.0122	
MW - 2	08/10/07	0.004	<0.001	0.0076	0.0201	
MW - 2	12/28/07	0.0019	<0.001	0.0057	0.0074	
MW - 2	02/18/08	0.0014	<0.001	0.0017	0.0033	
MW - 2	05/12/08	<0.00100	<0.00100	<0.00100	0.0015	
MW - 2	08/08/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	11/07/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/06/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	05/07/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	08/04/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/04/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	08/09/10	0.0013	0.0013	0.001	0.0027	
MW - 2	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/10/11	0.007	0.007	<0.001	0.0197	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 2	05/04/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	08/03/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	11/11/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/13/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	05/25/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	08/06/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	11/08/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	05/28/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	08/13/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/23/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	04/06/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	08/29/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	12/04/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	01/23/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	05/16/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	08/06/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	10/29/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	03/29/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	05/20/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	09/10/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	11/14/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	12/03/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 3	03/03/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 3	12/14/04	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	03/08/05	Not Sampled on Current Sample Schedule				
MW - 3	06/07/05	Not Sampled on Current Sample Schedule				
MW - 3	09/07/05	Not Sampled on Current Sample Schedule				
MW - 3	12/02/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	03/08/06	Not Sampled on Current Sample Schedule				
MW - 3	06/07/06	Not Sampled on Current Sample Schedule				
MW - 3	09/12/06	Not Sampled on Current Sample Schedule				
MW - 3	11/22/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/21/07	Not Sampled on Current Sample Schedule				
MW - 3	05/16/07	Not Sampled on Current Sample Schedule				
MW - 3	08/10/07	Not Sampled on Current Sample Schedule				
MW - 3	12/28/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/18/08	Not Sampled on Current Sample Schedule				
MW - 3	05/12/08	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 3	08/08/08	Not Sampled on Current Sample Schedule				
MW - 3	11/07/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/06/09	Not Sampled on Current Sample Schedule				
MW - 3	05/07/09	Not Sampled on Current Sample Schedule				
MW - 3	08/04/09	Not Sampled on Current Sample Schedule				
MW - 3	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/04/10	Not Sampled on Current Sample Schedule				
MW - 3	08/09/10	Not Sampled on Current Sample Schedule				
MW - 3	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/10/11	Not Sampled on Current Sample Schedule				
MW - 3	05/04/11	Not Sampled on Current Sample Schedule				
MW - 3	08/03/11	Not Sampled on Current Sample Schedule				
MW - 3	11/11/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/13/12	Not Sampled on Current Sample Schedule				
MW - 3	05/25/12	Not Sampled on Current Sample Schedule				
MW - 3	08/06/12	Not Sampled on Current Sample Schedule				
MW - 3	11/08/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/05/13	Not Sampled on Current Sample Schedule				
MW - 3	05/28/13	Not Sampled on Current Sample Schedule				
MW - 3	08/13/13	Not Sampled on Current Sample Schedule				
MW - 3	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	05/18/04	<0.00100	<0.00100	0.00157	0.00684	<0.00100
MW - 4	09/07/04	<0.00100	<0.00100	0.00225	<0.00200	<0.00100
MW - 4	12/14/04	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 4	03/08/05	**0.0189**	0.0165	<0.01	0.0379	
MW - 4	06/07/05	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 4	09/07/05	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 4	12/02/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	03/08/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	06/07/06	Not sampled				
MW - 4	09/12/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/22/06	0.0018	<0.001	<0.001	0.0021	
MW - 4	02/21/07	<0.00100	<0.00100	<0.00100	0.0049	
MW - 4	05/16/07	<0.00100	<0.00100	<0.00100	0.0019	
MW - 4	08/10/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	12/28/07	<0.00100	<0.00100	<0.00100	0.0015	
MW - 4	02/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	05/12/08	0.0016	<0.001	<0.001	<0.001	
MW - 4	08/08/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/07/08	0.0088	0.0213	0.0052	0.0256	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 4	02/06/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	05/07/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/04/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/04/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/09/10	<0.00100	<0.00100	<0.00100	0.002	
MW - 4	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/10/11	<0.00100	<0.00100	<0.00100	0.0195	
MW - 4	05/04/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/03/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/11/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	02/13/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	05/25/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/06/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/08/12	<0.00500	<0.00500	<0.00500	<0.005	
MW - 4	02/05/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	05/28/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	08/13/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 4	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/23/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	04/06/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/29/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	12/04/00	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	01/23/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	05/16/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	08/06/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	10/29/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	03/29/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	05/20/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	09/10/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	11/14/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	12/03/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 5	03/03/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 5	12/14/04	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	03/08/05	Not Sampled on Current Sample Schedule				
MW - 5	06/07/05	Not Sampled on Current Sample Schedule				
MW - 5	09/07/05	Not Sampled on Current Sample Schedule				
MW - 5	12/02/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	03/08/06	Not Sampled on Current Sample Schedule				
MW - 5	06/07/06	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 5	09/12/06	Not Sampled on Current Sample Schedule				
MW - 5	11/22/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/21/07	Not Sampled on Current Sample Schedule				
MW - 5	05/16/07	Not Sampled on Current Sample Schedule				
MW - 5	08/10/07	Not Sampled on Current Sample Schedule				
MW - 5	12/28/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/18/08	Not Sampled on Current Sample Schedule				
MW - 5	05/12/08	Not Sampled on Current Sample Schedule				
MW - 5	08/08/08	Not Sampled on Current Sample Schedule				
MW - 5	11/07/08	<0.00100	<0.00100	0.0012	0.0038	
MW - 5	02/06/09	Not Sampled on Current Sample Schedule				
MW - 5	05/07/09	Not Sampled on Current Sample Schedule				
MW - 5	08/04/09	Not Sampled on Current Sample Schedule				
MW - 5	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/04/10	Not Sampled on Current Sample Schedule				
MW - 5	08/09/10	Not Sampled on Current Sample Schedule				
MW - 5	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/10/11	Not Sampled on Current Sample Schedule				
MW - 5	05/04/11	Not Sampled on Current Sample Schedule				
MW - 5	08/03/11	Not Sampled on Current Sample Schedule				
MW - 5	11/11/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/13/12	Not Sampled on Current Sample Schedule				
MW - 5	05/25/12	Not Sampled on Current Sample Schedule				
MW - 5	08/06/12	Not Sampled on Current Sample Schedule				
MW - 5	11/08/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/05/13	Not Sampled on Current Sample Schedule				
MW - 5	05/28/13	Not Sampled on Current Sample Schedule				
MW - 5	08/13/13	Not Sampled on Current Sample Schedule				
MW - 5	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	09/27/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	10/29/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	03/29/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	05/20/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	09/10/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	11/14/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	12/03/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 6	03/03/04	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 6	12/14/04	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	03/08/05	Not Sampled on Current Sample Schedule				
MW - 6	06/07/05	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 6	09/07/05	Not Sampled on Current Sample Schedule				
MW - 6	12/02/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	03/08/06	Not Sampled on Current Sample Schedule				
MW - 6	06/07/06	Not Sampled on Current Sample Schedule				
MW - 6	09/12/06	Not Sampled on Current Sample Schedule				
MW - 6	11/22/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/21/07	Not Sampled on Current Sample Schedule				
MW - 6	05/16/07	Not Sampled on Current Sample Schedule				
MW - 6	08/10/07	Not Sampled on Current Sample Schedule				
MW - 6	12/28/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/18/08	Not Sampled on Current Sample Schedule				
MW - 6	05/12/08	Not Sampled on Current Sample Schedule				
MW - 6	08/08/08	Not Sampled on Current Sample Schedule				
MW - 6	11/07/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/06/09	Not Sampled on Current Sample Schedule				
MW - 6	05/07/09	Not Sampled on Current Sample Schedule				
MW - 6	08/04/09	Not Sampled on Current Sample Schedule				
MW - 6	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/04/10	Not Sampled on Current Sample Schedule				
MW - 6	08/09/10	Not Sampled on Current Sample Schedule				
MW - 6	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	02/10/11	Not Sampled on Current Sample Schedule				
MW - 6	03/21/11	Well Plugged and Abandoned				
MW - 7	09/27/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	10/29/01	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	03/29/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	05/20/02	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	09/10/02	0.008	0.006	0.003	0.017	0.007
MW - 7	11/14/02	0.009	0.009	0.005	0.029	0.012
MW - 7	12/03/03	<0.00100	<0.00100	<0.00100	<0.00200	<0.00100
MW - 7	03/03/04	0.00146	<0.001	<0.001	0.00369	<0.001
MW - 7	12/14/04	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	03/08/05	Not Sampled on Current Sample Schedule				
MW - 7	06/07/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	09/07/05	Not Sampled on Current Sample Schedule				
MW - 7	12/02/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	03/08/06	Not Sampled on Current Sample Schedule				
MW - 7	06/07/06	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 7	09/12/06	Not Sampled on Current Sample Schedule				
MW - 7	11/22/06	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		0.01	0.75	0.75	0.62	
MW - 7	02/21/07	Not Sampled on Current Sample Schedule				
MW - 7	05/16/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/10/07	Not Sampled on Current Sample Schedule				
MW - 7	12/28/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/18/08	Not Sampled on Current Sample Schedule				
MW - 7	05/12/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/08/08	Not Sampled on Current Sample Schedule				
MW - 7	11/07/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/06/09	Not Sampled on Current Sample Schedule				
MW - 7	05/07/09	<0.00100	<0.00100	0.0062	0.0088	
MW - 7	08/04/09	Not Sampled on Current Sample Schedule				
MW - 7	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/04/10	Not Sampled on Current Sample Schedule				
MW - 7	08/09/10	Not Sampled on Current Sample Schedule				
MW - 7	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/10/11	Not Sampled on Current Sample Schedule				
MW - 7	05/04/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/03/11	Not Sampled on Current Sample Schedule				
MW - 7	11/11/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/13/12	Not Sampled on Current Sample Schedule				
MW - 7	05/25/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	08/06/12	Not Sampled on Current Sample Schedule				
MW - 7	11/08/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/05/13	Not Sampled on Current Sample Schedule				
MW - 7	05/28/13	Not Sampled on Current Sample Schedule				
MW - 7	08/13/13	Not Sampled on Current Sample Schedule				
MW - 7	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	10/10/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	12/02/05	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	03/08/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	06/07/06	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 8	09/12/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/22/06	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/21/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/16/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/10/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	12/28/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/18/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/12/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/08/08	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
LF - 59
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0103

All results are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p-XYLENES	o - XYLENE
NMOCD Regulatory Limit		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 8	11/07/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/06/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/07/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/04/09	<0.00100	0.0048	<0.00100	0.0152	
MW - 8	11/09/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/04/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/09/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/01/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/10/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/04/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/03/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/11/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/13/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	05/25/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/06/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	11/08/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	02/05/13	Not Sampled on Current Sample Schedule				
MW - 8	05/28/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 8	08/13/13	Not Sampled on Current Sample Schedule				
MW - 8	11/20/13	<0.00100	<0.00100	<0.00100	<0.00100	

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: February 12, 2013

Work Order: 13020606

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
320349	MW-2	water	2013-02-05	16:50	2013-02-06
320350	MW-4	water	2013-02-05	16:39	2013-02-06
320351	MW-1	water	2013-02-05	16:28	2013-02-06

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
320349 - MW-2	<0.00100	<0.00100	<0.00100	<0.00100
320350 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100
320351 - MW-1	**0.0133**	<0.00100	<0.00100	<0.00100

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 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: February 12, 2013

Work Order: 13020606

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
320349	MW-2	water	2013-02-05	16:50	2013-02-06
320350	MW-4	water	2013-02-05	16:39	2013-02-06
320351	MW-1	water	2013-02-05	16:28	2013-02-06

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

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project LF-59 were received by TraceAnalysis, Inc. on 2013-02-06 and assigned to work order 13020606. Samples for work order 13020606 were received intact without headspace and at a temperature of 4.9 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	83745	2013-02-11 at 12:00	98837	2013-02-11 at 12:00

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 13020606 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: 320349 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	98837	Date Analyzed:	2013-02-11	Analyzed By:	YG
Prep Batch:	83745	Sample Preparation:	2013-02-11	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.115	mg/L	1	0.100	115	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.101	mg/L	1	0.100	101	68.1 - 109

Sample: 320350 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	98837	Date Analyzed:	2013-02-11	Analyzed By:	YG
Prep Batch:	83745	Sample Preparation:	2013-02-11	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.116	mg/L	1	0.100	116	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.101	mg/L	1	0.100	101	68.1 - 109

Sample: 320351 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	98837	Date Analyzed:	2013-02-11	Analyzed By:	YG
Prep Batch:	83745	Sample Preparation:	2013-02-11	Prepared By:	YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.0133**	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr		0.114	mg/L	1	0.100	114	75.7 - 109
4-Bromofluorobenzene (4-BFB)				0.101	mg/L	1	0.100	101	68.1 - 109

Method Blanks

Method Blank (1) QC Batch: 98837

QC Batch:	98837	Date Analyzed:	2013-02-11	Analyzed By:	YG
Prep Batch:	83745	QC Preparation:	2013-02-11	Prepared By:	YG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT) Qsr	Qsr		0.120	mg/L	1	0.100	120	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.103	mg/L	1	0.100	103	68.1 - 109

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 98837 | Date Analyzed: 2013-02-11 | Analyzed By: YG
Prep Batch: 83745 | QC Preparation: 2013-02-11 | Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.108	mg/L	1	0.100	<0.000200	108	80 - 120
Toluene		1	0.109	mg/L	1	0.100	<0.000300	109	80 - 120
Ethylbenzene		1	0.113	mg/L	1	0.100	<0.000400	113	70.6 - 120
Xylene		1	0.349	mg/L	1	0.300	<0.00120	116	79.2 - 120

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.106	mg/L	1	0.100	<0.000200	106	80 - 120	2	20
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	80 - 120	1	20
Ethylbenzene		1	0.112	mg/L	1	0.100	<0.000400	112	70.6 - 120	1	20
Xylene		1	0.345	mg/L	1	0.300	<0.00120	115	79.2 - 120	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)	Qsr	Qsr	0.119	0.119	mg/L	1	0.100	119	119	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.106	0.106	mg/L	1	0.100	106	106	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 320217

QC Batch: 98837 | Date Analyzed: 2013-02-11 | Analyzed By: YG
Prep Batch: 83745 | QC Preparation: 2013-02-11 | Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.107	mg/L	1	0.100	<0.000200	107	25.7 - 139
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	32.7 - 134
Ethylbenzene		1	0.113	mg/L	1	0.100	<0.000400	113	45.9 - 120
Xylene		1	0.346	mg/L	1	0.300	<0.00120	115	34.9 - 128

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.108	mg/L	1	0.100	<0.000200	108	25.7 - 139	1	20
Toluene		1	0.109	mg/L	1	0.100	<0.000300	109	32.7 - 134	1	20
Ethylbenzene		1	0.114	mg/L	1	0.100	<0.000400	114	45.9 - 120	1	20
Xylene		1	0.354	mg/L	1	0.300	<0.00120	118	34.9 - 128	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)	Qsr	Qsr	0.118	0.119	mg/L	1	0.1	118	119	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.104	0.105	mg/L	1	0.1	104	105	68.1 - 109

Calibration Standards

Standard (CCV-1)

QC Batch: 98837 | Date Analyzed: 2013-02-11 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.107	107	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.111	111	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.343	114	80 - 120	2013-02-11

Standard (CCV-2)

QC Batch: 98837 | Date Analyzed: 2013-02-11 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.105	105	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.106	106	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.339	113	80 - 120	2013-02-11

Standard (CCV-3)

QC Batch: 98837 | Date Analyzed: 2013-02-11 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.106	106	80 - 120	2013-02-11
Toluene		1	mg/L	0.100	0.107	107	80 - 120	2013-02-11
Ethylbenzene		1	mg/L	0.100	0.110	110	80 - 120	2013-02-11
Xylene		1	mg/L	0.300	0.345	115	80 - 120	2013-02-11

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-12-4	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1302606

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Nova — **Phone #:** 4325207720

Address: (Street, City, Zip) 2057 Commerce Drive — **Fax #:** 4325207701

Contact Person: Camille Bryant — **E-mail:**

Invoice to:
(If different from above)

Project #: TNM LF-59 — **Project Name:** LF-59

Project Location (including state): New Mexico — **Sampler Signature:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
320349	MW-2	3	VOA	X				X				X		2-5-13	16:50
350	MW-4	1	1	1				1				1			16:39
351	MW-1	1	1	1				1				1			16:28

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
	X																			
	1																			
	1																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
		06Feb2013	0924		TA	2/6/13	9:24

INST IR-1
OBS 4.9 °C
COR 4.9 °C

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

REMARKS: Midland - All

- ☐ 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 #

ORIGINAL COPY

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: June 3, 2013

Work Order: 13052902

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
330314	MW-8	water	2013-05-28	11:56	2013-05-29
330315	MW-2	water	2013-05-28	12:08	2013-05-29
330316	MW-4	water	2013-05-28	12:24	2013-05-29
330317	MW-1	water	2013-05-28	11:41	2013-05-29

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
330314 - MW-8	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330315 - MW-2	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330316 - MW-4	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs
330317 - MW-1	**0.0189** Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs

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 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: June 3, 2013

Work Order: 13052902

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
330314	MW-8	water	2013-05-28	11:56	2013-05-29
330315	MW-2	water	2013-05-28	12:08	2013-05-29
330316	MW-4	water	2013-05-28	12:24	2013-05-29
330317	MW-1	water	2013-05-28	11:41	2013-05-29

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.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project LF-59 were received by TraceAnalysis, Inc. on 2013-05-29 and assigned to work order 13052902. Samples for work order 13052902 were received intact without headspace and at a temperature of 3.2 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	86338	2013-05-30 at 12:00	101900	2013-05-31 at 12:26

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 13052902 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: 330314 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Toluene	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	Qs,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0821	mg/L	1	0.100	82	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0828	mg/L	1	0.100	83	70 - 130

Sample: 330315 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Toluene	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	Qs,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0828	mg/L	1	0.100	83	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0817	mg/L	1	0.100	82	70 - 130

Sample: 330316 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Toluene	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	Qs,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0799	mg/L	1	0.100	80	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0790	mg/L	1	0.100	79	70 - 130

Sample: 330317 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101900	Date Analyzed:	2013-05-31	Analyzed By:	KC
Prep Batch:	86338	Sample Preparation:	2013-05-30	Prepared By:	KC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	Qs	1	**0.0189**	mg/L	1	0.00100
Toluene	Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qs,U	1	<0.00100	mg/L	1	0.00100
Xylene	Qs,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0861	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0864	mg/L	1	0.100	86	70 - 130

Method Blanks

Method Blank (1) QC Batch: 101900

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC
Prep Batch: 86338 | QC Preparation: 2013-05-30 | Prepared By: KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0908	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0876	mg/L	1	0.100	88	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC
Prep Batch: 86338 | QC Preparation: 2013-05-30 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0740	mg/L	1	0.100	<0.000200	74	70 - 130
Toluene		1	0.0769	mg/L	1	0.100	<0.000300	77	70 - 130
Ethylbenzene		1	0.0776	mg/L	1	0.100	<0.000400	78	70 - 130
Xylene		1	0.227	mg/L	1	0.300	<0.00120	76	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	Qs	Qs	1	0.0676	mg/L	1	0.100	<0.000200	68	70 - 130	9	20
Toluene	Qs	Qs	1	0.0695	mg/L	1	0.100	<0.000300	70	70 - 130	10	20
Ethylbenzene	Qs	Qs	1	0.0687	mg/L	1	0.100	<0.000400	69	70 - 130	12	20
Xylene	Qs	Qs	1	0.204	mg/L	1	0.300	<0.00120	68	70 - 130	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
Trifluorotoluene (TFT)	0.0848	0.0896	mg/L	1	0.100	85	90	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0879	0.0924	mg/L	1	0.100	88	92	70 - 130

Matrix Spike (MS-1) Spiked Sample: 330161

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC
Prep Batch: 86338 | QC Preparation: 2013-05-30 | Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	Qs	Qs	1	0.0362	mg/L	1	0.100	<0.000200	36	70 - 130
Toluene	Qs	Qs	1	0.0377	mg/L	1	0.100	<0.000300	38	70 - 130
Ethylbenzene	Qs	Qs	1	0.0398	mg/L	1	0.100	<0.000400	40	70 - 130
Xylene	Qs	Qs	1	0.116	mg/L	1	0.300	<0.00120	39	70 - 130

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

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	Qs	Qs	1	0.0383	mg/L	1	0.100	<0.000200	38	70 - 130	6	20
Toluene	Qs	Qs	1	0.0389	mg/L	1	0.100	<0.000300	39	70 - 130	3	20
Ethylbenzene	Qs	Qs	1	0.0389	mg/L	1	0.100	<0.000400	39	70 - 130	2	20
Xylene	Qs	Qs	1	0.113	mg/L	1	0.300	<0.00120	38	70 - 130	3	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)	0.0882	0.0831	mg/L	1	0.1	88	83	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0899	0.0841	mg/L	1	0.1	90	84	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0867	87	80 - 120	2013-05-31
Toluene		1	mg/L	0.100	0.0897	90	80 - 120	2013-05-31
Ethylbenzene		1	mg/L	0.100	0.0900	90	80 - 120	2013-05-31
Xylene		1	mg/L	0.300	0.263	88	80 - 120	2013-05-31

Standard (CCV-2)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0962	96	80 - 120	2013-05-31
Toluene		1	mg/L	0.100	0.0991	99	80 - 120	2013-05-31
Ethylbenzene		1	mg/L	0.100	0.0985	98	80 - 120	2013-05-31
Xylene		1	mg/L	0.300	0.287	96	80 - 120	2013-05-31

Standard (CCV-3)

QC Batch: 101900 | Date Analyzed: 2013-05-31 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0950	95	80 - 120	2013-05-31
Toluene		1	mg/L	0.100	0.0982	98	80 - 120	2013-05-31
Ethylbenzene		1	mg/L	0.100	0.0976	98	80 - 120	2013-05-31
Xylene		1	mg/L	0.300	0.284	95	80 - 120	2013-05-31

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-12-4	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 13052902

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
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1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Nova
Phone #: 432 520-7720
Address: (Street, City, Zip) 2057 commerce Drive
Fax #:
Contact Person: camille Bryant
E-mail:
Invoice to: (If different from above)
Project #: TNM LF-59
Project Name: LF 59
Project Location (including state): new mexico
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
330314	mw-8	3	VOA	X				X				X		5/28/13	1156		X																						
315	mw-2	3	↓	↓				↓				↓		↓	1209		↓																							
316	mw-4	3													1224																							
317	mw-1	3	↓	↓				↓				↓		↓	1141		↓																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
John Flores	Nova	5/29/13	816		TA	5/29/13	8:16	INST IR-1 OBS 3.3 °C COR 3.2 °C
								INST ____ OBS ____ °C COR ____ °C
								INST ____ OBS ____ °C COR ____ °C

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

REMARKS: Midland all

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

Carrier #

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

ORIGINAL COPY

Summary Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX 79703

Report Date: August 20, 2013

Work Order: 13081408

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
338508	MW-2	water	2013-08-13	14:25	2013-08-14
338509	MW-4	water	2013-08-13	14:40	2013-08-14
338510	MW-1	water	2013-08-13	14:46	2013-08-14

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
338508 - MW-2	<0.00100	<0.00100	<0.00100	<0.00100
338509 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100
338510 - MW-1	**0.00730**	<0.00100	<0.00100	<0.00100

TRACEANALYSIS, INC.

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(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Camille Bryant
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: August 20, 2013

Work Order: 13081408

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
338508	MW-2	water	2013-08-13	14:25	2013-08-14
338509	MW-4	water	2013-08-13	14:40	2013-08-14
338510	MW-1	water	2013-08-13	14:46	2013-08-14

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.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project LF-59 were received by TraceAnalysis, Inc. on 2013-08-14 and assigned to work order 13081408. Samples for work order 13081408 were received intact without headspace and at a temperature of 4.3 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	88281	2013-08-19 at 09:30	104189	2013-08-20 at 08:38

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 13081408 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: 338508 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104189	Date Analyzed:	2013-08-20	Analyzed By:	KC
Prep Batch:	88281	Sample Preparation:	2013-08-19	Prepared By:	KC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0916	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0894	mg/L	1	0.100	89	70 - 130

Sample: 338509 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104189	Date Analyzed:	2013-08-20	Analyzed By:	KC
Prep Batch:	88281	Sample Preparation:	2013-08-19	Prepared By:	KC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0915	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0898	mg/L	1	0.100	90	70 - 130

Sample: 338510 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104189	Date Analyzed:	2013-08-20	Analyzed By:	KC
Prep Batch:	88281	Sample Preparation:	2013-08-19	Prepared By:	KC

Parameter	Flag	Cert	Result	RL	Units	Dilution	RL
Benzene		1	**0.00730**		mg/L	1	0.00100
Toluene	U	1	<0.00100		mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100		mg/L	1	0.00100
Xylene	U	1	<0.00100		mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0914	mg/L	1	0.100	91	70 - 130

Method Blanks

Method Blank (1) QC Batch: 104189

QC Batch:	104189	Date Analyzed:	2013-08-20	Analyzed By:	KC
Prep Batch:	88281	QC Preparation:	2013-08-19	Prepared By:	KC

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0974	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0947	mg/L	1	0.100	95	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 104189 | Date Analyzed: 2013-08-20 | Analyzed By: KC
Prep Batch: 88281 | QC Preparation: 2013-08-19 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.106	mg/L	1	0.100	<0.000200	106	70 - 130
Toluene		1	0.104	mg/L	1	0.100	<0.000300	104	70 - 130
Ethylbenzene		1	0.101	mg/L	1	0.100	<0.000400	101	70 - 130
Xylene		1	0.302	mg/L	1	0.300	<0.00120	101	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.108	mg/L	1	0.100	<0.000200	108	70 - 130	2	20
Toluene		1	0.107	mg/L	1	0.100	<0.000300	107	70 - 130	3	20
Ethylbenzene		1	0.103	mg/L	1	0.100	<0.000400	103	70 - 130	2	20
Xylene		1	0.306	mg/L	1	0.300	<0.00120	102	70 - 130	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)	0.0939	0.0971	mg/L	1	0.100	94	97	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0983	0.0997	mg/L	1	0.100	98	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 338504

QC Batch: 104189 | Date Analyzed: 2013-08-20 | Analyzed By: KC
Prep Batch: 88281 | QC Preparation: 2013-08-19 | Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.112	mg/L	1	0.100	<0.000200	112	70 - 130
Toluene		1	0.109	mg/L	1	0.100	<0.000300	109	70 - 130
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000400	106	70 - 130
Xylene		1	0.312	mg/L	1	0.300	<0.00120	104	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.112	mg/L	1	0.100	<0.000200	112	70 - 130	0	20
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	70 - 130	1	20
Ethylbenzene		1	0.105	mg/L	1	0.100	<0.000400	105	70 - 130	1	20
Xylene		1	0.311	mg/L	1	0.300	<0.00120	104	70 - 130	0	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)	0.0918	0.0951	mg/L	1	0.1	92	95	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0978	0.0990	mg/L	1	0.1	98	99	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 104189 | Date Analyzed: 2013-08-20 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0850	85	80 - 120	2013-08-20
Toluene		1	mg/L	0.100	0.0838	84	80 - 120	2013-08-20
Ethylbenzene		1	mg/L	0.100	0.0818	82	80 - 120	2013-08-20
Xylene		1	mg/L	0.300	0.245	82	80 - 120	2013-08-20

Standard (CCV-2)

QC Batch: 104189 | Date Analyzed: 2013-08-20 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.106	106	80 - 120	2013-08-20
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-08-20
Ethylbenzene		1	mg/L	0.100	0.100	100	80 - 120	2013-08-20
Xylene		1	mg/L	0.300	0.298	99	80 - 120	2013-08-20

Standard (CCV-3)

QC Batch: 104189 | Date Analyzed: 2013-08-20 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.105	105	80 - 120	2013-08-20
Toluene		1	mg/L	0.100	0.103	103	80 - 120	2013-08-20
Ethylbenzene		1	mg/L	0.100	0.100	100	80 - 120	2013-08-20
Xylene		1	mg/L	0.300	0.299	100	80 - 120	2013-08-20

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-12-4	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 13081408

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Nova
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce Drive
Fax #:
Contact Person: Camille Bryant
E-mail:
Invoice to:
(If different from above)
Project #: TNM - LT - 59
Project Name: LT 59
Project Location (including state): New Mexico
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
338508	MW-2	3	VOA	X				X				X		8/13	14:25
509	MW-4	3	"	"				"				"		"	14:40
510	MW-1	3	"	"				"				"		"	14:46

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
	X																								
	X																								
	X																								

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
John Flores	Nova	8/14/13	807		TA	8/14/13	8:07	INST 1R OBS 4.4 °C COR 4.3 °C
								INST ____ OBS ____ °C COR ____ °C
								INST ____ OBS ____ °C COR ____ °C

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

REMARKS: Mediard - all

- [ ] 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 # Cargo

ORIGINAL COPY

Summary Report

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

Report Date: November 27, 2013

Work Order: 13112102

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
347147	MW-3	water	2013-11-20	14:58	2013-11-21
347148	MW-5	water	2013-11-20	15:09	2013-11-21
347149	MW-7	water	2013-11-20	15:20	2013-11-21
347150	MW-8	water	2013-11-20	15:34	2013-11-21
347151	MW-2	water	2013-11-20	15:48	2013-11-21
347152	MW-4	water	2013-11-20	16:00	2013-11-21
347153	MW-1	water	2013-11-20	16:12	2013-11-21

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
347147 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100
347148 - MW-5	<0.00100	<0.00100	<0.00100	<0.00100
347149 - MW-7	<0.00100	<0.00100	<0.00100	<0.00100
347150 - MW-8	<0.00100	<0.00100	<0.00100	<0.00100
347151 - MW-2	<0.00100	<0.00100	<0.00100	<0.00100
347152 - MW-4	<0.00100	<0.00100	<0.00100	<0.00100
347153 - MW-1	**0.00740**	<0.00100	<0.00100	<0.00100

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 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: November 27, 2013

Work Order: 13112102

Project Location: Monument, New Mexico
Project Name: LF-59
Project Number: NM-2005
SRS #: TNM-LF-59

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
347147	MW-3	water	2013-11-20	14:58	2013-11-21
347148	MW-5	water	2013-11-20	15:09	2013-11-21
347149	MW-7	water	2013-11-20	15:20	2013-11-21
347150	MW-8	water	2013-11-20	15:34	2013-11-21
347151	MW-2	water	2013-11-20	15:48	2013-11-21
347152	MW-4	water	2013-11-20	16:00	2013-11-21
347153	MW-1	water	2013-11-20	16:12	2013-11-21

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

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Report Contents

Case Narrative

Samples for project LF-59 were received by TraceAnalysis, Inc. on 2013-11-21 and assigned to work order 13112102. Samples for work order 13112102 were received intact without headspace and at a temperature of 4.7 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	90601	2013-11-22 at 13:52	107032	2013-11-25 at 10:56

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 13112102 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: 347147 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0975	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0864	mg/L	1	0.100	86	70 - 130

Sample: 347148 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0982	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0864	mg/L	1	0.100	86	70 - 130

Sample: 347149 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0997	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0880	mg/L	1	0.100	88	70 - 130

Sample: 347150 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0988	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0856	mg/L	1	0.100	86	70 - 130

Sample: 347151 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0981	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0870	mg/L	1	0.100	87	70 - 130

Sample: 347152 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	1	<0.00100	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0948	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0841	mg/L	1	0.100	84	70 - 130

Sample: 347153 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		1	**0.00740**	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	1	<0.00100	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0977	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0896	mg/L	1	0.100	90	70 - 130

Method Blanks

Method Blank (1) QC Batch: 107032

QC Batch:	107032	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90601	QC Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000200	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000400	mg/L	0.001
Xylene		1	<0.00120	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0914	mg/L	1	0.100	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0813	mg/L	1	0.100	81	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 107032 | Date Analyzed: 2013-11-25 | Analyzed By: AK
Prep Batch: 90601 | QC Preparation: 2013-11-22 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0971	mg/L	1	0.100	<0.000200	97	70 - 130
Toluene		1	0.0967	mg/L	1	0.100	<0.000300	97	70 - 130
Ethylbenzene		1	0.0929	mg/L	1	0.100	<0.000400	93	70 - 130
Xylene		1	0.279	mg/L	1	0.300	<0.00120	93	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0962	mg/L	1	0.100	<0.000200	96	70 - 130	1	20
Toluene		1	0.0948	mg/L	1	0.100	<0.000300	95	70 - 130	2	20
Ethylbenzene		1	0.0914	mg/L	1	0.100	<0.000400	91	70 - 130	2	20
Xylene		1	0.276	mg/L	1	0.300	<0.00120	92	70 - 130	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)	0.0866	0.0910	mg/L	1	0.100	87	91	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0820	0.0878	mg/L	1	0.100	82	88	70 - 130

Matrix Spike (MS-1) Spiked Sample: 347087

QC Batch: 107032 | Date Analyzed: 2013-11-25 | Analyzed By: AK
Prep Batch: 90601 | QC Preparation: 2013-11-22 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.388	mg/L	1	0.100	0.274	114	70 - 130
Toluene		1	0.0986	mg/L	1	0.100	<0.000300	99	70 - 130
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000400	106	70 - 130
Xylene		1	0.316	mg/L	1	0.300	0.0361	93	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.387	mg/L	1	0.100	0.274	113	70 - 130	0	20
Toluene		1	0.100	mg/L	1	0.100	<0.000300	100	70 - 130	1	20
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000400	108	70 - 130	2	20
Xylene		1	0.322	mg/L	1	0.300	0.0361	95	70 - 130	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)	0.0906	0.0921	mg/L	1	0.1	91	92	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0932	0.0954	mg/L	1	0.1	93	95	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 107032 | Date Analyzed: 2013-11-25 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0995	100	80 - 120	2013-11-25
Toluene		1	mg/L	0.100	0.0976	98	80 - 120	2013-11-25
Ethylbenzene		1	mg/L	0.100	0.0933	93	80 - 120	2013-11-25
Xylene		1	mg/L	0.300	0.279	93	80 - 120	2013-11-25

Standard (CCV-2)

QC Batch: 107032 | Date Analyzed: 2013-11-25 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0972	97	80 - 120	2013-11-25
Toluene		1	mg/L	0.100	0.0955	96	80 - 120	2013-11-25
Ethylbenzene		1	mg/L	0.100	0.0916	92	80 - 120	2013-11-25
Xylene		1	mg/L	0.300	0.275	92	80 - 120	2013-11-25

Standard (CCV-3)

QC Batch: 107032 | Date Analyzed: 2013-11-25 | Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0954	95	80 - 120	2013-11-25
Toluene		1	mg/L	0.100	0.0940	94	80 - 120	2013-11-25
Ethylbenzene		1	mg/L	0.100	0.0900	90	80 - 120	2013-11-25
Xylene		1	mg/L	0.300	0.270	90	80 - 120	2013-11-25

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	NELAP	T104704392-13-7	Midland

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

LAB Order ID # 1311 2102

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

Company Name: Nova
Phone #: 432 520 7720
Address: (Street, City, Zip) 2057 commerce
Fax #:
Contact Person: Curt Stanley
E-mail:
Invoice to: (If different from above)
Project #: TNMLF-59
Project Name: LF-59
Project Location (including state): ~~AAA~~ new mexico
Sampler Signature: [signature]

ANALYSIS REQUEST
(Circle or Specify Method No.)

Analysis columns: MTBE 8021 / 602 / 8260 / 624; BTEX (8021 circled) / 602 / 8260 / 624; TPH 418.1 / TX1005 / TX1005 Ext(C35); TPH 8015 GRO / DRO / TVHC; PAH 8270 / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260 / 624; GC/MS Semi. Vol. 8270 / 625; PCB's 8082 / 608; Pesticides 8081 / 608; BOD, TSS, pH; Moisture Content; Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity; Na, Ca, Mg, K, TDS, EC; 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	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624
347147	MW-3	3	VOA	X				X				X		11/20/13	1458		X
148	MW-5	↓	↓	↓				↓				↓		↓	1509		X
149	MW-7	↓	↓	↓				↓				↓		↓	1520		X
150	MW-8	↓	↓	↓				↓				↓		↓	1534		X
151	MW-2	↓	↓	↓				↓				↓		↓	1548		X
152	MW-4	↓	↓	↓				↓				↓		↓	1600		X
153	MW-1	↓	↓	↓				↓				↓		↓	1612		X

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
John Flores	Nova	11/21/13	8:06	[signature]	TA	11/21/13	8:06	INST ___ OBS 4.8 °C COR 4.7 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ °C OBS ___ °C COR ___ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ___ °C OBS ___ °C COR ___ °C

LAB USE ONLY
Intact (Y) / N
Headspace Y / (N) / NA
Log-in-Review ______

REMARKS: Medlark all

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

Carrier # Cary