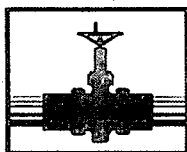


1R - 124

WORKPLANS

Date:

March 2013



PLAINS
RECEIVED
MARKETING L.P.
2013 APR 15 A 11:37

April 12, 2013

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

RE: Plains Marketing, L.P., Monument 18 Release Site
NMOCD Reference # 1R-0124
Unit Letter D of Section 7, Township 20 South, Range 37 East
Lea County, New Mexico

Dear Mr. Hansen:

Plains Marketing, L.P. is pleased to submit the attached *Remediation Summary and Proposed Soil Closure Strategy* report, dated March 2013, for the Monument 18 site. This site is located in Section 7 of Township 20 South, and Range 37 East, Lea County, New Mexico. This document details the proposed soil remediation activities to be performed at the site.

Should you have any questions or comments, please contact me at (575) 441-1099.

Sincerely,

Jason Henry
Remediation Coordinator
Plains Marketing, L.P.

CC: Geoff Leking, NMOCD, Hobbs Office

REMEDATION SUMMARY AND PROPOSED SOIL CLOSURE STRATEGY

MONUMENT 18

NW ¼ NW ¼ SECTION 07, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS# NUMBER: TNM MONUMENT-18
NMOCD REFERENCE 1R-0124

Prepared For:

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



Prepared By:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2013


Camille Bryant
Senior Project Manager

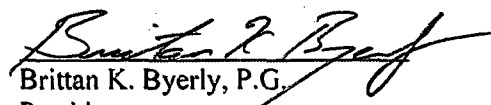

Brittan K. Byerly, P.G.
President

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- APPENDIX B: Notification of Release and Corrective Action (Form C-141)

1.0 INTRODUCTION

NOVA Safety and Environmental (NOVA), on behalf of Plains Marketing, L.P., (Plains), has prepared this Remediation Summary and Proposed Soil Closure Strategy for the site known as TNM Monument 18. The purpose of this Remediation Summary and Proposed Soil Closure Strategy is to summarize known soil data and propose a plan for the remediation of hydrocarbon impacted soil at the site. The legal description of the release site is Unit Letter "D" (NW ¼ NW ¼) Section 07, Township 20 South, Range 37 East, in Lea County, New Mexico. A Site Location Map and Site Map are provided as Figure 1 and Figure 2, respectively. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B.

2.0 SITE BACKGROUND

No information with respect to the release date, volume of crude oil released and recovered, excavation dimensions or pipeline repair is available as this release occurred while the pipeline was operated by Texas New Mexico Pipe Line Company (TNM). The site is now the responsibility of Plains, which acquired the assets of Link Energy in April of 2004. Based on New Mexico Oil Conservation Division ranking criteria the site has a ranking score of >19 points based on depth to groundwater less than fifty (50) feet.

The initial site investigation, which consisted of the installation of seven (7) groundwater monitor wells (MW-1 through MW-7), was conducted by previous consultants. Monitor wells MW-8, MW-9, and MW-10 were installed in November of 2004 to further delineate the groundwater plume and to gain information on vadose hydrocarbon concentrations to the east and west of the suspected release point.

On September 13, 2005, monitor well MW-2 was plugged and abandoned with New Mexico Oil Conservation Division (NMOCD) approval granted on June 22, 2005. A total of nine (9) groundwater monitor wells (MW-1, and MW-3 through MW-10) are currently located on the site. A site map illustrating site details is provided as Figure 2.

3.0 LEAK ZONE INVESTIGATION

No known information exists regarding the magnitude of the release, emergency response activities, pipeline repair, or initial remedial actions at the site, with the exception of the existence of seven monitor wells. There is no known soil data associated with the installation of monitor wells MW-1 through MW-7.

On November 4 and 5, 2004, three (3) monitor wells (MW-8, MW-9, and MW-10) were installed in the side gradient directions of the hydrocarbon impacted groundwater zone to more fully delineate the extent of groundwater impact at the site.

Monitor well MW-8 is located to the east of the inferred release point in a cross gradient direction. Soil samples collected at fifteen (15), twenty-five (25), and thirty (30) feet below ground surface (bgs) were submitted to the laboratory for analysis. Laboratory

analytical results indicated benzene concentrations were less than the laboratory MDL for all the submitted soil samples. BTEX concentrations ranged from less than the laboratory MDL for soil samples MW-8 @ 15' and MW-8 @ 30' to 0.417 mg/Kg for soil sample MW-8 @ 25'. TPH concentrations ranged from 256.64 mg/Kg for soil sample MW-8 @ 30' to 1,632.5 mg/Kg for soil sample MW-8 @ 25'. Please reference Table 1 for Concentrations of BTEX and TPH in Soil. Laboratory analytical reports are provided as Appendix A.

Monitor well MW-9 is located to the south of the inferred release point in a cross/down gradient direction. Soil samples collected at ten (10), twenty (20), and thirty (30) feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the laboratory MDL for all the submitted soil samples.

Monitor well MW-10 is located to the southwest of the inferred release point in a cross gradient direction. Soil samples collected at fifteen (15) and thirty (30) feet bgs were submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the laboratory MDL for all the submitted soil samples.

4.0 PROPOSED ACTIONS

Based upon the distribution of dissolved phase hydrocarbons in the groundwater, the site's groundwater gradient (Figure 3), surficially disturbed area where mesquite trees have not re-established, and the limited soil data available, Plains proposes the following soil remediation activities designed to progress the Monument 18 Release Site toward an NMOCD approved soil closure:

- Excavation of the visually impacted soil will commence along the Plains pipeline. The excavation will be completed to a total depth of approximately fifteen (15) feet bgs. The excavation will extend horizontally to the north, south, east, and west of the inferred release point. The actual limits of the excavation will be determined by field screening utilizing a PID and by visual and olfactory evaluation of the excavation sidewalls. The excavation will be limited due to numerous pipelines, utilities and roads located in the area of the release site. A five (5) foot buffer zone will remain in place between Maddox Road and the excavation and around all utilities in the area. Excavated soil will be stockpiled on-site pending transportation to an NMOCD permitted disposal facility.
- Soil samples will be collected from the floor and the sidewalls of the excavation. One (1) sample will be collected for every fifty (50) linear feet of the excavation sidewalls and floor. The soil samples will be submitted to the laboratory for determination of concentrations of benzene, toluene, ethyl-benzene and xylene (BTEX), total petroleum hydrocarbons (TPH) by EPA Methods SW 8021b and 8015M, respectively. Analytical results from sidewall soil samples will determine the final extent of the excavation, which will progress until soil samples indicated

constituent concentrations below the appropriate NMOCD regulatory standard with the total depth of the excavation limited to fifteen (15) feet bgs.

- If laboratory analytical results of the soil samples collected from the floor of the excavation indicate elevated concentrations of BTEX, and /or TPH constituents remain, and with NMOCD approval, a twenty (20) millimeter (mil) polyurethane liner will be installed on the floor of the excavation. Six (6) inches of sand will be installed above and beneath the liner to protect the liner from damage. The sand and liner will be positioned to allow moisture to shed off the sides of the liner. If needed, monitor wells will be fitted with a forty (40) mil protective boot to maintain the impermeability of the liner. On completion of liner installation activities, the excavation will be backfilled with locally obtained non-impacted soil.

5.0 REPORTING

On completion of the proposed soil closure strategy activities, Plains will submit a Remediation and Soil Closure Request for NMOCD approval. Groundwater monitoring and sampling will continue at the site.

6.0 LIMITATIONS

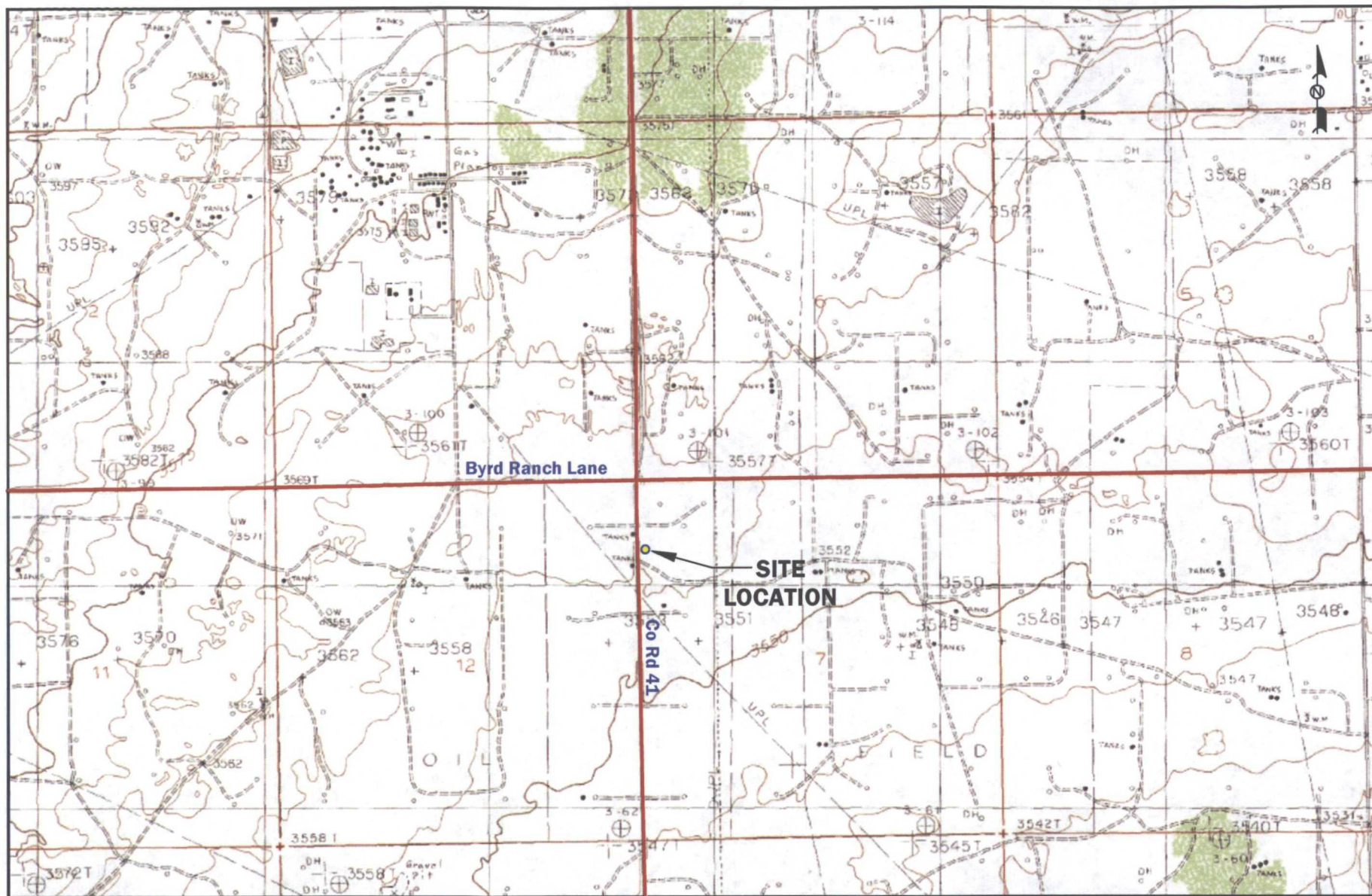
NOVA has prepared this Remediation Summary and Proposed Soil Closure Strategy to the best of its ability. No other warranty, expressed or implied, is made or intended. NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA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

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

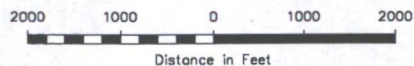
7.0 DISTRIBUTION

- Copy 1** Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
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Santa Fe, NM 87505
- Copy 2:** Geoffrey R. Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1625 French Drive
Hobbs, NM 88240
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jhenry@paalp.com
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jpdann@paalp.com
- Copy 5:** NOVA Safety and Environmental
2057 Commerce Street
Midland, TX 79703
cstanley@novatraining.cc

Figures



LEGEND:



NMOCD Reference #1R-0124

Figure 1
Site Location Map
Monument 18
Plains Marketing, L.P.
Lea County, NM

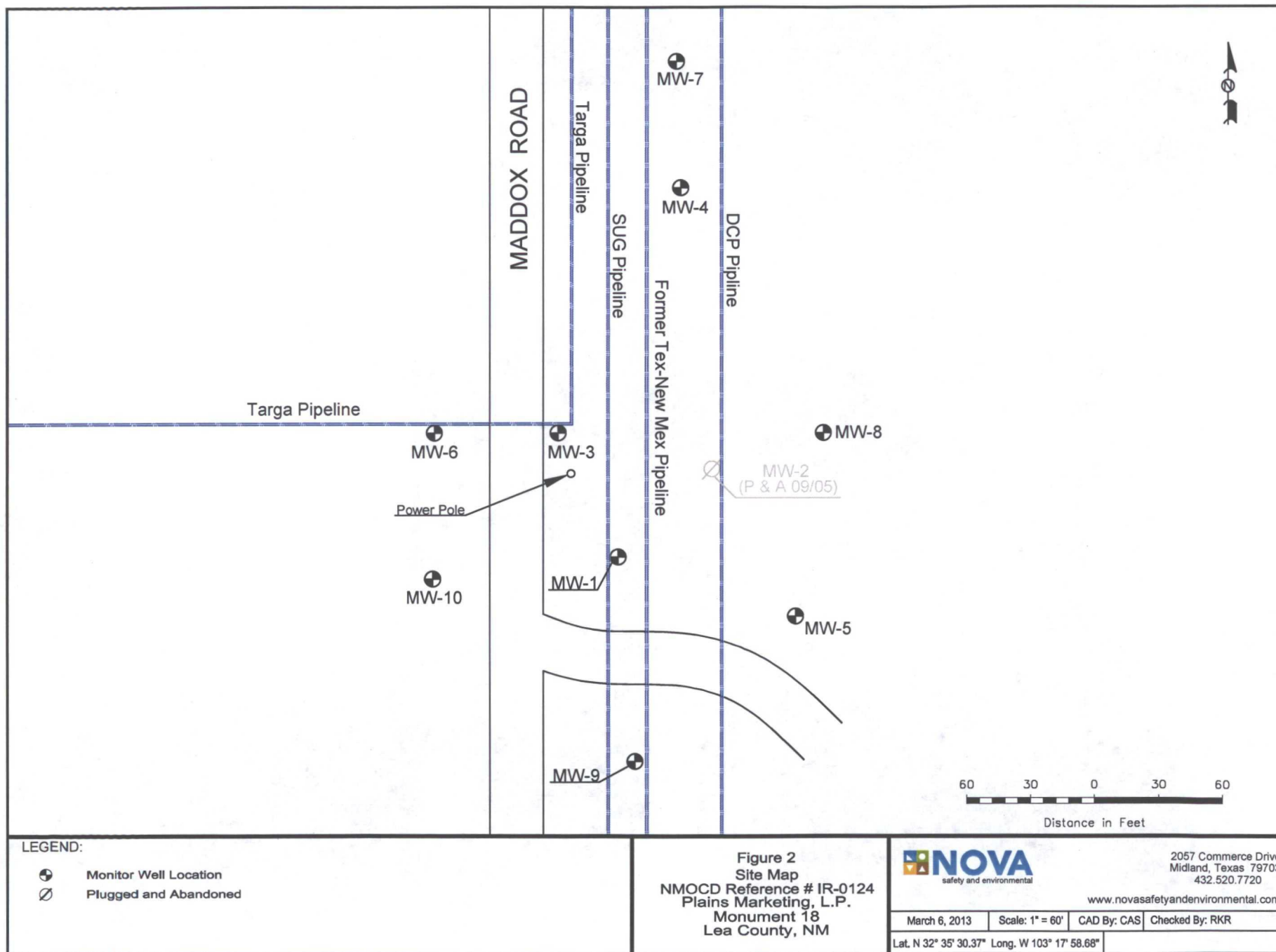


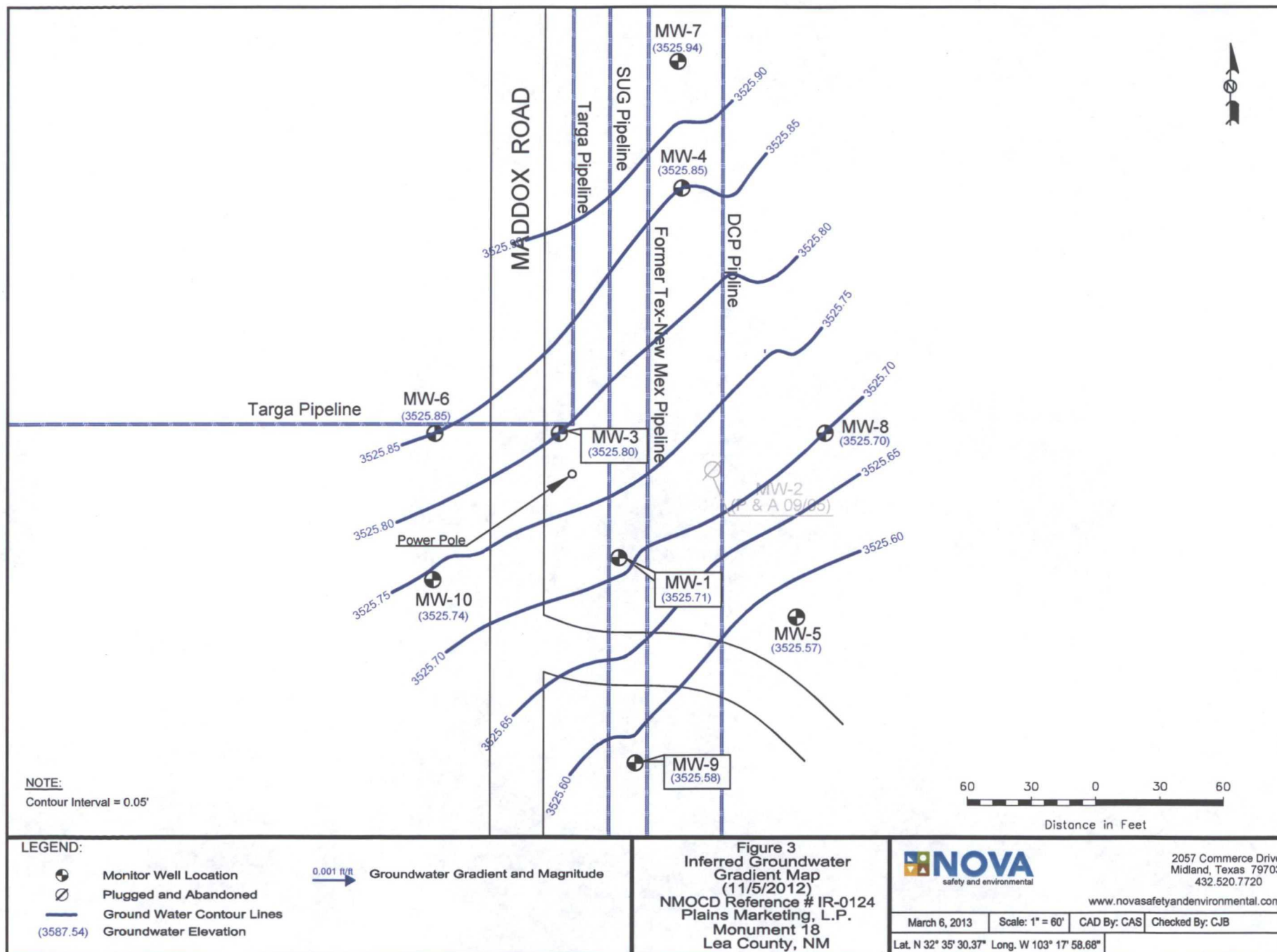
2057 Commerce Drive
Midland, Texas 79703
432.520.7720

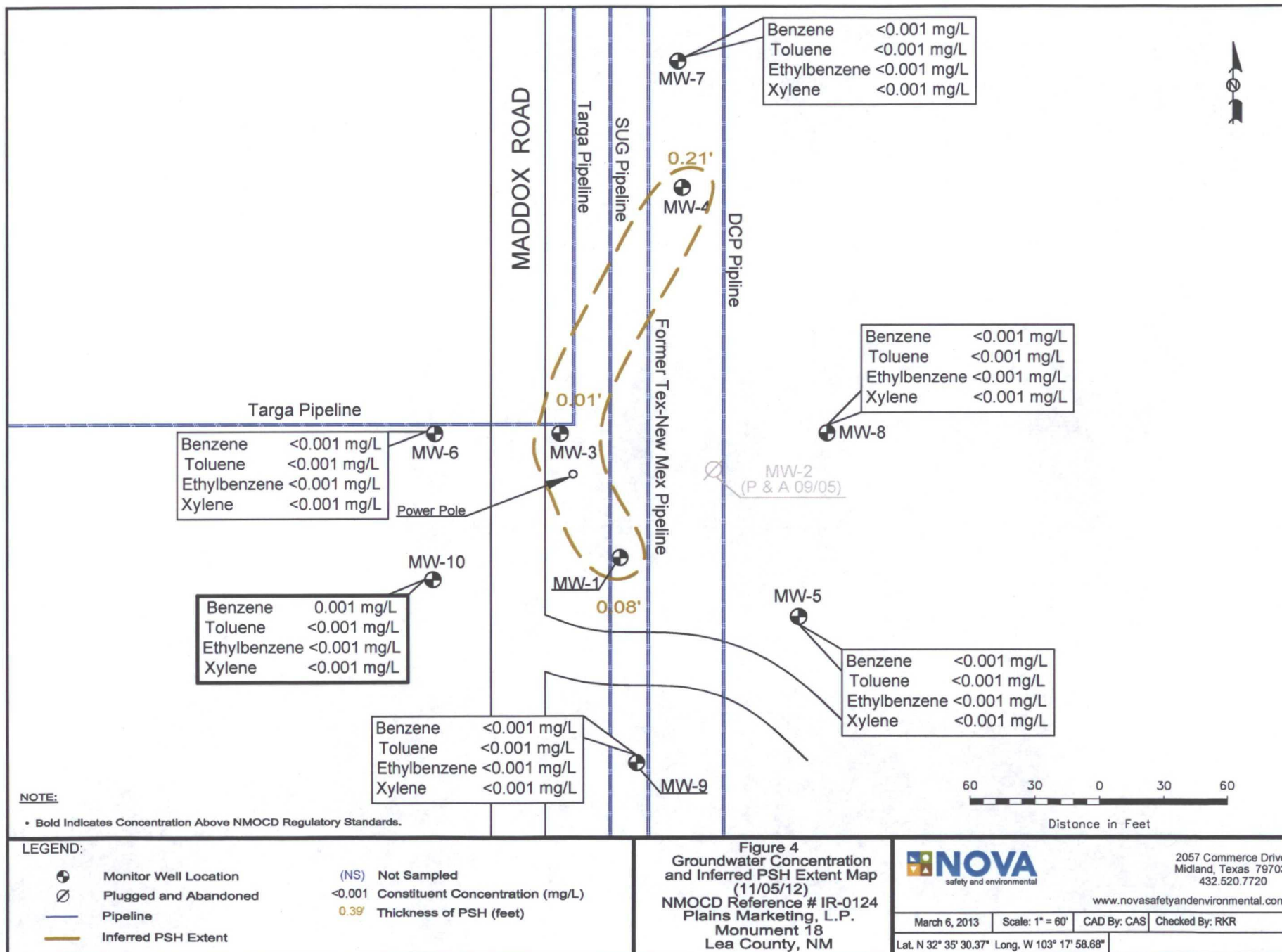
www.novasafetyandenvironmental.com

March 11, 2013 Scale: 1" = 2000' CAD By: CAS Checked By:

LATITUDE & LONGITUDE COORDINATES: N 32° 35' 30.37" W 103° 17' 58.68"







Table

TABLE 1
CONCENTRATIONS OF BTEX AND TPH IN SOIL

MONUMENT #18
PLAINS MARKETING, L.P.
LEA COUNTY, NM
NMOCD Reference # 1R-0124
PLAINS SRS NUMBER: TNM MONUMENT 18-KNOWN

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (feet)	Methods: EPA SW 846-8021B, 5030				Methods: EPA SW 846-8015M		
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	m,p,o-XYLENE (mg/Kg)	GRO/DRO/ TOTAL TPH		
							GRO (mg/Kg)	DRO (mg/Kg)	TOTAL TPH (mg/Kg)
MW-8	11/5/04	15'	<0.0500	<0.0500	<0.0500	<0.0500	722	13.4	735.4
MW-8	11/5/04	25'	<0.0500	<0.0500	<0.0500	0.417	1,560	72.5	1,632.5
MW-8	11/5/04	30'	<0.0100	<0.0100	<0.0100	<0.0100	255	1.64	256.64
MW-9	11/04/04	10'	<0.0100	<0.0100	<0.0100	<0.0100	<1	<50	<50
MW-9	11/04/04	20'	<0.0100	<0.0100	<0.0100	<0.0100	<1	<50	<50
MW-9	11/04/04	30'	<0.0100	<0.0100	<0.0100	<0.0100	<1	<50	<50
MW-10	11/04/04	15'	<0.0100	<0.0100	<0.0100	<0.0100	<1	<50	<50
MW-10	11/04/04	30'	<0.0100	<0.0100	<0.0100	<0.0100	<1	<50	<50

Appendix A

Laboratory Reports

Analytical and Quality Control Report

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

Report Date: November 16, 2004

Work Order: 4110905

Project Location: Monument-Lea Co.,NM
Project Name: TNM Monument 18
Project Number: TNM Monument 18

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
47981	MW-9 5'	soil	2004-11-04	11:00	2004-11-09
47982	MW-9 10'	soil	2004-11-04	11:05	2004-11-09
47983	MW-9 15'	soil	2004-11-04	11:15	2004-11-09
47984	MW-9 20'	soil	2004-11-04	11:20	2004-11-09
47985	MW-9 25'	soil	2004-11-04	11:25	2004-11-09
47986	MW-9 30'	soil	2004-11-04	11:35	2004-11-09
47987	MW-10 10'	soil	2004-11-04	13:30	2004-11-09
47988	MW-10 15'	soil	2004-11-04	13:35	2004-11-09
47989	MW-10 25'	soil	2004-11-04	13:45	2004-11-09
47990	MW-10 30'	soil	2004-11-04	13:50	2004-11-09
47991	MW-10 35'	soil	2004-11-04	13:55	2004-11-09
47992	MW-8 15'	soil	2004-11-05	07:30	2004-11-09
47993	MW-8 25'	soil	2004-11-05	07:40	2004-11-09
47994	MW-8 30'	soil	2004-11-05	07:55	2004-11-09

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

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 47982 - MW-9 10'

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5035
QC Batch: 13926	Date Analyzed: 2004-11-09	Analyzed By: MT
Prep Batch: 12304	Date Prepared: 2004-11-09	Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.816	mg/Kg	10	0.100	82	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.736	mg/Kg	10	0.100	74	63.1 - 105

Sample: 47982 - MW-9 10'

Analysis: TPH DRO	Analytical Method: Mod. 8015B	Prep Method: N/A
QC Batch: 14045	Date Analyzed: 2004-11-14	Analyzed By: BP
Prep Batch: 12412	Date Prepared: 2004-11-09	Prepared By: DS

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		123	mg/Kg	1	150	82	69.8 - 106.1

Sample: 47982 - MW-9 10'

Analysis: TPH GRO	Analytical Method: S 8015B	Prep Method: S 5035
QC Batch: 13931	Date Analyzed: 2004-11-09	Analyzed By: MT
Prep Batch: 12304	Date Prepared: 2004-11-09	Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.07	mg/Kg	10	0.100	107	0 - 160
4-Bromofluorobenzene (4-BFB)		0.973	mg/Kg	10	0.100	97	0 - 174

Sample: 47984 - MW-9 20'

Report Date: November 16, 2004
TNM Monument 18

Work Order: 4110905
TNM Monument 18

Page Number: 3 of 17
Monument-Lea Co.,NM

Analysis: BTEX
QC Batch: 13926
Prep Batch: 12304

Analytical Method: S 8021B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.814	mg/Kg	10	0.100	81	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.757	mg/Kg	10	0.100	76	63.1 - 105

Sample: 47984 - MW-9 20'

Analysis: TPH DRO
QC Batch: 14045
Prep Batch: 12412

Analytical Method: Mod. 8015B
Date Analyzed: 2004-11-14
Date Prepared: 2004-11-09

Prep Method: N/A
Analyzed By: BP
Prepared By: DS

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		140	mg/Kg	1	150	93	69.8 - 106.1

Sample: 47984 - MW-9 20'

Analysis: TPH GRO
QC Batch: 13931
Prep Batch: 12304

Analytical Method: S 8015B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	10	0.100	109	0 - 160
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	10	0.100	100	0 - 174

Sample: 47986 - MW-9 30'

Analysis: BTEX
QC Batch: 13926
Prep Batch: 12304

Analytical Method: S 8021B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.749	mg/Kg	10	0.100	75	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.698	mg/Kg	10	0.100	70	63.1 - 105

Sample: 47986 - MW-9 30'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	14045	Date Analyzed:	2004-11-14	Analyzed By:	BP
Prep Batch:	12412	Date Prepared:	2004-11-09	Prepared By:	DS

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		152	mg/Kg	1	150	101	69.8 - 106.1

Sample: 47986 - MW-9 30'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	13931	Date Analyzed:	2004-11-09	Analyzed By:	MT
Prep Batch:	12304	Date Prepared:	2004-11-09	Prepared By:	MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/Kg	10	0.100	100	0 - 160
4-Bromofluorobenzene (4-BFB)		0.919	mg/Kg	10	0.100	92	0 - 174

Sample: 47988 - MW-10 15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	13926	Date Analyzed:	2004-11-09	Analyzed By:	MT
Prep Batch:	12304	Date Prepared:	2004-11-09	Prepared By:	MT

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

continued ...

sample 47988 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.764	mg/Kg	10	0.100	76	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.700	mg/Kg	10	0.100	70	63.1 - 105

Sample: 47988 - MW-10 15'

Analysis: TPH DRO Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 14045 Date Analyzed: 2004-11-14 Analyzed By: BP
Prep Batch: 12412 Date Prepared: 2004-11-09 Prepared By: DS

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		129	mg/Kg	1	150	86	69.8 - 106.1

Sample: 47988 - MW-10 15'

Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 13931 Date Analyzed: 2004-11-09 Analyzed By: MT
Prep Batch: 12304 Date Prepared: 2004-11-09 Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	10	0.100	101	0 - 160
4-Bromofluorobenzene (4-BFB)		0.917	mg/Kg	10	0.100	92	0 - 174

Sample: 47990 - MW-10 30'

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
QC Batch: 13926 Date Analyzed: 2004-11-09 Analyzed By: MT
Prep Batch: 12304 Date Prepared: 2004-11-09 Prepared By: MT

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

continued ...

sample 47990 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.774	mg/Kg	10	0.100	77	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.733	mg/Kg	10	0.100	73	63.1 - 105

Sample: 47990 - MW-10 30'

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	14045	Date Analyzed:	2004-11-14	Analyzed By:	BP
Prep Batch:	12412	Date Prepared:	2004-11-09	Prepared By:	DS

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		123	mg/Kg	1	150	82	69.8 - 106.1

Sample: 47990 - MW-10 30'

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	13931	Date Analyzed:	2004-11-09	Analyzed By:	MT
Prep Batch:	12304	Date Prepared:	2004-11-09	Prepared By:	MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	10	0.100	104	0 - 160
4-Bromofluorobenzene (4-BFB)		0.987	mg/Kg	10	0.100	99	0 - 174

Sample: 47992 - MW-8 15'

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	13926	Date Analyzed:	2004-11-09	Analyzed By:	MT
Prep Batch:	12304	Date Prepared:	2004-11-09	Prepared By:	MT

continued ...

sample 47992 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	1	<0.0500	mg/Kg	50	0.00100
Toluene		<0.0500	mg/Kg	50	0.00100
Ethylbenzene		<0.0500	mg/Kg	50	0.00100
Xylene		<0.0500	mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	2	0.864	mg/Kg	50	0.0200	86	60.1 - 104
4-Bromofluorobenzene (4-BFB)	3	0.825	mg/Kg	50	0.0200	82	63.1 - 105

Sample: 47992 - MW-8 15'

Analysis: TPH DRO Analytical Method: Mod. 8015B Prep Method: N/A
QC Batch: 14045 Date Analyzed: 2004-11-14 Analyzed By: BP
Prep Batch: 12412 Date Prepared: 2004-11-09 Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		722	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	4	208	mg/Kg	1	150	139	69.8 - 106.1

Sample: 47992 - MW-8 15'

Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
QC Batch: 13931 Date Analyzed: 2004-11-09 Analyzed By: MT
Prep Batch: 12304 Date Prepared: 2004-11-09 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		13.4	mg/Kg	50	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	50	0.100	21	0 - 160
4-Bromofluorobenzene (4-BFB)		1.22	mg/Kg	50	0.100	24	0 - 174

Sample: 47993 - MW-8 25'

¹ Sample diluted due to hydrocarbons beyond xylene.
² Spike changed due to required dilution.
³ Spike changed due to required dilution.
⁴ Surrogate recovery out of range due to peak interference. QC shows process is within control.

Analysis: BTEX
QC Batch: 13932
Prep Batch: 12309

Analytical Method: S 8021B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	5	<0.0500	mg/Kg	50	0.00100
Toluene		<0.0500	mg/Kg	50	0.00100
Ethylbenzene		<0.0500	mg/Kg	50	0.00100
Xylene		0.417	mg/Kg	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	6	0.753	mg/Kg	50	0.0200	75	60.1 - 104
4-Bromofluorobenzene (4-BFB)	7	1.13	mg/Kg	50	0.0200	113	63.1 - 105

Sample: 47993 - MW-8 25'

Analysis: TPH DRO
QC Batch: 14045
Prep Batch: 12412

Analytical Method: Mod. 8015B
Date Analyzed: 2004-11-14
Date Prepared: 2004-11-09

Prep Method: N/A
Analyzed By: BP
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		1560	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	8	258	mg/Kg	5	30.0	172	69.8 - 106.1

Sample: 47993 - MW-8 25'

Analysis: TPH GRO
QC Batch: 13935
Prep Batch: 12309

Analytical Method: S 8015B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		72.5	mg/Kg	50	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.893	mg/Kg	50	0.100	18	0 - 160
4-Bromofluorobenzene (4-BFB)		2.07	mg/Kg	50	0.100	41	0 - 174

Sample: 47994 - MW-8 30'

⁵Sample diluted due to hydrocarbons beyond xylene.

⁶Spike changed due to dilution.

⁷Spike changed due to dilution.

⁸Surrogate recovery out of range due to peak interference. QC shows process is within control.

Analysis: BTEX
QC Batch: 13932
Prep Batch: 12309

Analytical Method: S 8021B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.717	mg/Kg	10	0.100	72	60.1 - 104
4-Bromofluorobenzene (4-BFB)		0.685	mg/Kg	10	0.100	68	63.1 - 105

Sample: 47994 - MW-8 30'

Analysis: TPH DRO
QC Batch: 14045
Prep Batch: 12412

Analytical Method: Mod. 8015B
Date Analyzed: 2004-11-14
Date Prepared: 2004-11-09

Prep Method: N/A
Analyzed By: BP
Prepared By: DS

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		255	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		149	mg/Kg	1	150	99	69.8 - 106.1

Sample: 47994 - MW-8 30'

Analysis: TPH GRO
QC Batch: 13935
Prep Batch: 12309

Analytical Method: S 8015B
Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Prep Method: S 5035
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		1.64	mg/Kg	10	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/Kg	10	0.100	97	0 - 160
4-Bromofluorobenzene (4-BFB)		0.924	mg/Kg	10	0.100	92	0 - 174

Method Blank (1) QC Batch: 13926

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001

continued ...

method blank continued...

Parameter	Flag	Result	Units	RL
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.906	mg/Kg	10	0.100	91	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.467	mg/Kg	10	0.100	47	36.6 - 112

Method Blank (1) QC Batch: 13931

Parameter	Flag	Result	Units	RL
GRO		2.02	mg/Kg	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁹	1.22	mg/Kg	10	0.100	122	81.8 - 109
4-Bromofluorobenzene (4-BFB)		0.605	mg/Kg	10	0.100	60	50.7 - 113

Method Blank (1) QC Batch: 13932

Parameter	Flag	Result	Units	RL
Benzene		<0.0100	mg/Kg	0.001
Toluene		<0.0100	mg/Kg	0.001
Ethylbenzene		<0.0100	mg/Kg	0.001
Xylene		<0.0100	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.882	mg/Kg	10	0.100	88	74.5 - 114
4-Bromofluorobenzene (4-BFB)		0.533	mg/Kg	10	0.100	53	36.6 - 112

Method Blank (1) QC Batch: 13935

Parameter	Flag	Result	Units	RL
GRO		2.04	mg/Kg	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	¹⁰	1.19	mg/Kg	10	0.100	119	81.8 - 109
4-Bromofluorobenzene (4-BFB)		0.683	mg/Kg	10	0.100	68	50.7 - 113

⁹High surrogate recovery due to unknown anomaly. ICV/CCV show the method to be in control.

¹⁰High surrogate recovery due to unknown anomaly. ICV/CCV show the method to be in control.

Method Blank (1) QC Batch: 14045

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		120	mg/Kg	1	150	80	69.8 - 106.1

Method Blank (2) QC Batch: 14045

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		136	mg/Kg	1	150	91	69.8 - 106.1

Laboratory Control Spike (LCS-1) QC Batch: 13926

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.962	0.978	mg/Kg	10	0.100	<0.0333	96	2	79.8 - 114	9.4
Toluene	0.918	0.936	mg/Kg	10	0.100	<0.0353	92	2	79.7 - 115	7.5
Ethylbenzene	0.906	0.928	mg/Kg	10	0.100	<0.0339	91	2	78.7 - 116	8
Xylene	2.57	2.64	mg/Kg	10	0.300	<0.103	86	3	78.7 - 118	7.9

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)	0.927	0.912	mg/Kg	10	0.100	93	91	76.6 - 114
4-Bromofluorobenzene (4-BFB)	0.791	0.785	mg/Kg	10	0.100	79	78	72.2 - 111

Laboratory Control Spike (LCS-1) QC Batch: 13931

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	10.2	9.88	mg/Kg	10	1.00	<0.381	102	3	72 - 124	21

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.06	1.07	mg/Kg	10	0.100	106	107	80.4 - 113
4-Bromofluorobenzene (4-BFB)	0.931	1.00	mg/Kg	10	0.100	93	100	72.2 - 119

Laboratory Control Spike (LCS-1) QC Batch: 13932

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.982	0.993	mg/Kg	10	0.100	<0.0333	98	1	79.8 - 114	9.4
Toluene	0.936	0.944	mg/Kg	10	0.100	<0.0353	94	1	79.7 - 115	7.5
Ethylbenzene	0.916	0.925	mg/Kg	10	0.100	<0.0339	92	1	78.7 - 116	8
Xylene	2.60	2.63	mg/Kg	10	0.300	<0.103	87	1	78.7 - 118	7.9

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)	0.905	0.923	mg/Kg	10	0.100	90	92	76.6 - 114
4-Bromofluorobenzene (4-BFB)	0.805	0.827	mg/Kg	10	0.100	80	83	72.2 - 111

Laboratory Control Spike (LCS-1) QC Batch: 13935

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	9.92	9.89	mg/Kg	10	1.00	<0.381	99	0	72 - 124	21

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.15	1.17	mg/Kg	10	0.100	115	117	80.4 - 113
4-Bromofluorobenzene (4-BFB)	0.999	1.03	mg/Kg	10	0.100	100	103	72.2 - 119

Laboratory Control Spike (LCS-1) QC Batch: 14045

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO ¹³	198	192	mg/Kg	1	250	<12.0	79	3	78.7 - 117.6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	132	133	mg/Kg	1	150	88	89	69.8 - 106.1

Laboratory Control Spike (LCS-2) QC Batch: 14045

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO	241	213	mg/Kg	1	250	<12.0	96	12	78.7 - 117.6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	148	138	mg/Kg	1	150	99	92	69.8 - 106.1

¹¹ High surrogate recovery due to unknown anomaly. Other analyte recoveries show the method to be in control.

¹² High surrogate recovery due to unknown anomaly. Other analyte recoveries show the method to be in control.

¹³ LCS is within limits and RPD is within limits.

Matrix Spike (MS-1) QC Batch: 13932 Spiked Sample: 47996

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.773	0.745	mg/Kg	10	0.100	<0.0333	77	4	63.5 - 98.6	12
Toluene	0.762	0.762	mg/Kg	10	0.100	<0.0353	76	0	65.8 - 102	11.4
Ethylbenzene	0.784	0.788	mg/Kg	10	0.100	<0.0339	78	0	66.6 - 106	10.5
Xylene	2.24	2.26	mg/Kg	10	0.300	<0.103	75	1	67.4 - 108	10.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.761	0.731	mg/Kg	10	0.1	76	73	60.1 - 104
4-Bromofluorobenzene (4-BFB)	0.746	0.736	mg/Kg	10	0.1	75	74	63.1 - 105

Matrix Spike (MS-1) QC Batch: 13935 Spiked Sample: 47996

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
GRO	11.7	12.1	mg/Kg	10	1.00	<0.381	117	3	0 - 182	19.6

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.17	1.22	mg/Kg	10	0.1	117	122	0 - 160
4-Bromofluorobenzene (4-BFB)	0.954	1.01	mg/Kg	10	0.1	95	101	0 - 174

Matrix Spike (MS-2) QC Batch: 14045 Spiked Sample: 47998

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
DRO ¹⁴	242	146	mg/Kg	1	250	<12.0	97	49	67.7 - 110.5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane ¹⁵	139	102	mg/Kg	1	150	93	68	69.8 - 106.1

Standard (CCV-1) QC Batch: 13926

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.101	101	85 - 115	2004-11-09
Toluene		mg/Kg	0.100	0.0947	95	85 - 115	2004-11-09
Ethylbenzene		mg/Kg	0.100	0.0965	96	85 - 115	2004-11-09
Xylene		mg/Kg	0.300	0.279	93	85 - 115	2004-11-09

¹⁴MSD out of control chart range. QC shows process is within control.

¹⁵RPD out of range for MS/MSD. LCS/LCSD show process is within control.

Standard (CCV-2) QC Batch: 13926

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0998	100	85 - 115	2004-11-09
Toluene		mg/Kg	0.100	0.0956	96	85 - 115	2004-11-09
Ethylbenzene		mg/Kg	0.100	0.0937	94	85 - 115	2004-11-09
Xylene		mg/Kg	0.300	0.267	89	85 - 115	2004-11-09

Standard (CCV-1) QC Batch: 13931

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.00	100	85 - 115	2004-11-09

Standard (CCV-2) QC Batch: 13931

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.00	100	85 - 115	2004-11-09

Standard (ICV-1) QC Batch: 13932

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0973	97	85 - 115	2004-11-09
Toluene		mg/Kg	0.100	0.0933	93	85 - 115	2004-11-09
Ethylbenzene		mg/Kg	0.100	0.0914	91	85 - 115	2004-11-09
Xylene		mg/Kg	0.300	0.261	87	85 - 115	2004-11-09

Standard (CCV-1) QC Batch: 13932

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.102	102	85 - 115	2004-11-09
Toluene		mg/Kg	0.100	0.0957	96	85 - 115	2004-11-09
Ethylbenzene		mg/Kg	0.100	0.0952	95	85 - 115	2004-11-09
Xylene		mg/Kg	0.300	0.273	91	85 - 115	2004-11-09

Standard (ICV-1) QC Batch: 13935

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.00	100	85 - 115	2004-11-09

Standard (CCV-1) QC Batch: 13935

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	0.962	96	85 - 115	2004-11-09

Standard (CCV-1) QC Batch: 14045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	238	95	75 - 125	2004-11-14

Standard (CCV-2) QC Batch: 14045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	229	91	75 - 125	2004-11-14

Standard (CCV-3) QC Batch: 14045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	190	76	75 - 125	2004-11-14

Standard (ICV-2) QC Batch: 14045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	217	87	75 - 125	2004-11-14

Standard (CCV-4) QC Batch: 14045

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	254	102	75 - 125	2004-11-14

6701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1296		TraceAnalysis, Inc.		155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443							
Company Name: <u>PLAINS</u>		Phone #:		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <u>4110905</u> ANALYSIS REQUEST (Circle or Specify Method No.) <u>TPH LAB 11-11-04-1005</u> <u>MWD 5015 (DRO-GRO)</u> PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/2007 TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol 8260B/624 GC/MS Semi Vol 8270C/625 PCB's 8082/608 Pesticides 8081A/608 BOD, TSS pH Turn Around Time if different from standard Hold							
Address: (Street, City, Zip) <u>Houston</u>		Fax #:									
Contact Person: <u>210 Terry Milton</u>											
Invoice to: (If different from above)											
Project #:		Project Name: <u>TNM Monument 18</u> Sampler Signature: <u>[Signature]</u>									
Project Location: <u>Monument - Lea Co. NM</u>											
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX	PRESERVATIVE METHOD	SAMPLING	DATE	TIME	METHOD	HOLD	
				WATER SOIL AIR SLUDGE	HCl HNO ₃ H ₂ SO ₄ NaOH ICE NONE						
47981	MW9-5'	1	4oz	Y			11/4	11:10		X	
82	MW9-10'	1					"	11:05	X		
83	MW9-15'	1					"	11:15		X	
84	MW9-20'	1					"	11:20	X		
85	MW9-25'	1					"	11:25		X	
86	MW9-30'	1					"	11:35	X		
87	MW10-10'	1					"	1:30		X	
88	MW10-15'	1					"	1:35	X		
89	MW10-25'	1					"	1:45		X	
90	MW10-30'	1					"	1:50	X		
91	MW10-35'	1					"	1:55		X	
Relinquished by: <u>[Signature]</u>		Date: <u>11/8/04</u>		Time: <u>4:00</u>		Received by: <u>Aileen Shelton</u>		Date: <u>11/08/04</u>		Time: <u>1600</u>	
Relinquished by: <u>Aileen Shelton</u>		Date: <u>11/08/04</u>		Time: <u>1700</u>		Received by: <u>[Signature]</u>		Date: <u>11-9-04</u>		Time: <u>10:10</u>	
Relinquished by:		Date:		Time:		Received at Laboratory by:		Date:		Time:	
Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. <u>11 samples HS</u>											
ORIGINAL COPY											

LAB USE ONLY Intact ☒ Y ☐ N Headspace ☐ Y ☒ N Temp <u>4°C</u> Log-in Review ☒ Carrier # <u>Done Aileen Johnston P524085</u>	REMARKS: <u>FAY RESULTS to NOV 11</u> <u>132/520770/</u> <u>CANIG E3C/bvgr</u> ☐ Check if Special Reporting Limits Are Needed
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Appendix B
Notification of Release and Correction
Action (Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Monument # 18	Facility Type:	Pipeline

Surface Owner: Jim B Cooper	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter D	Section 7	Township 20S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude 32 degrees 35' 30.0" **Longitude** 103 degrees 17' 55.9"

NATURE OF RELEASE

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

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.*

NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable.

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

OIL CONSERVATION DIVISION

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

* Attach Additional Sheets If Necessary