1R-386

Annual GW Mon. Report

Year: 2011

2011
ANNUAL MONITORING REPORT

JUNCTION 34 TO LEA STATION

LEA COUNTY, NEW MEXICO
NW ¼ SW ¼, SECTION 21, TOWNSHIP 20 SOUTH, RANGE 37 EAST
PLAINS SRS NUMBER: 2002-10286
NMOCD Reference # 1R-0386

PREPARED FOR:

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

NOVA
safety and environmental

PREPARED BY:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

March 2012

Ronald K. Rounsaville
Senior Project Manager

Brittan K. Byerly, P.G.
President

PLAINS
ALL AMERICAN

March 22, 2012

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

RECEIVED
MAR 26 2012
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Plains All American – 2011 Annual Monitoring Reports
15 Sites in Lea County, New Mexico

Dear Mr. Hansen:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

34 Junc. to Lea Sta.	1R-0386	Section 21, Township 20 South, Range 37 East, Lea County
34 Junction South	1R-0456	Section 02, Township 17 South, Range 36 East, Lea County
Bob Durham	AP-0016	Section 32, Township 19 South, Range 37 East, Lea County
HDO-90-23	AP-009	Section 06, Township 20 South, Range 37 East, Lea County
LF-59	1R-0103	Section 32, Township 19 South, Range 37 East, Lea County
Monument 2	1R-0110	Section 06, Township 20 South, Range 37 East, Lea County Section 07, Township 20 South, Range 37 East, Lea. County
Monument 10	1R-0119	Section 30, Township 19 South, Range 37 East, Lea County
Monument 17	1R-123	Section 29, Township 19 South, Range 37 East, Lea County
Monument 18	1R-0124	Section 07, Township 20 South, Range 37 East, Lea County
SPS-11	GW-0140	Section 18, Township 18 South, Range 36 East, Lea County
Texaco Skelly F	1R-0420	Section 11, Township 21 South, Range 37 East, Lea County
TNM 97-04	GW-0294	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-17	AP-017	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	AP-0013	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	AP-12	Section 26, Township 21 South, Range 37 East, Lea County

Nova Safety and Environmental (Nova) prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Nova personnel in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

PLAINS
ALL AMERICAN

If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

TABLE OF CONTENTS

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this 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 or about January 16, 2007, project management responsibilities were assumed by NOVA. The site was previously managed by Environmental Plus, Inc. (EPI). This report is intended to be viewed as a complete document with figures, appendices, tables and text. The report presents the results of the four quarterly groundwater monitoring events conducted in calendar year 2011. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2011 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 not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The Junction 34 to Lea (2002-10286) Release Site is located approximately 10-miles northwest of Eunice in Lea County, New Mexico. The site is located in the NW ¼ SW ¼, Section 21, Township 20 South, Range 37 East. The Release Notification and Corrective Action (Form C-141) submitted by EOTT reported approximately 300 barrels of crude oil released with 190 barrels recovered. The release is reported to have been due to internal corrosion of the pipeline. The release covered approximately 10,769 square feet of pipeline right-of-way, caliche road and land owned by the Deck Estate. Upon discovery of the release on November 6, 2002, a contractor and EOTT personnel mobilized to the site, exposed the pipeline and installed a pipe repair clamp. Hydrocarbon impacted soil excavated during the emergency response activities was transported to an NMOCD approved land farm. In February 2003, hydrocarbon impacted soil, previously identified by the advancement of nine soil borings, was excavated to a depth of approximately twenty five (25) below ground surface (bgs). The excavated soil was stockpiled on site for future remediation.

A *Soil Closure Strategy and Site Restoration Work Plan* (Work Plan) was submitted to the NMOCD in February 2008. The Work Plan proposed soil remediation activities intended to progress the site toward an NMOCD approved closure.

In February 2008, 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 July 2009 was submitted to the NMOCD for approval. On October 22, 2009, Plains received an email from the NMOCD approving the *Soil Closure Request* at the Junction 34 to Lea Station release site.

Currently, there are 11 groundwater monitor wells (MW-1 through MW-11) on site.

FIELD ACTIVITIES

Product Recovery Efforts

During the reporting period, no measurable thickness of PSH was detected in the site monitor wells. Table 1 displays the groundwater gauging data for the reporting period. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD.

NMOCD Approved Sampling Schedule							
MW-1	Quarterly	MW-4	Annual	MW-7	Quarterly	MW-10	Quarterly
MW-2	Quarterly	MW-5	Quarterly	MW-8	Quarterly	MW-11	Quarterly
MW-3	Quarterly	MW-6	Quarterly	MW-9	Quarterly		

The site monitor wells were gauged and sampled on February 9, May 3, August 2, and November 21, 2011. During each sampling event, monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water. Purging was performed using a disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. 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 of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during quarterly sampling events performed in 2011, are depicted on the Inferred Groundwater Gradient Map(s), Figures 2A-2D. Groundwater elevation data for 2011 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 of approximately 0.005 feet/foot to the south as measured between monitor wells MW-4 and MW-9. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,474.72 and 3,489.99 feet above mean sea level, in monitor wells MW-3 on October 26, 2011 and MW-1 on February 9, 2011, respectively. Groundwater elevation data for the calendar year 2011 is provided in Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed disk.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2011 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis was conducted on monitor wells MW-1, MW-3 and MW-7 during

2011. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above WQCC standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2011 are summarized in Table 2 and the historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2011 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 0.282 during the 4th quarter to 0.967 mg/L during the 1st quarter of 2011. Benzene concentrations were above the NMOCD regulatory standard of 0.01 mg/L during all four quarters of the reporting period. Toluene concentrations were below the laboratory method detection limit (MDL) and NMOCD regulatory standard of 0.75 mg/L during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.171 mg/L during the 4th quarter to 1.170 mg/L during the 1st quarter of 2011. Ethyl-benzene concentrations were above the NMOCD regulatory standard of 0.75 mg/L during the 1st, 2nd and 3rd quarters of the reporting period. Xylene concentrations ranged from 0.0934 mg/L during the 4th quarter to 1.280 mg/L during the 1st quarter of 2011. Xylene concentrations were above regulatory standard of 0.62 mg/L during the 1st and 3rd quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for fluorene (0.00146 mg/L) and phenanthrene (0.00143 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.00892 mg/L), 1-methylnaphthalene (0.0180 mg/L), 2-methylnaphthalene (0.00719 mg/L) and dibenzofuran (0.00141 mg/L), which are below the WQCC Drinking Water Standards.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.2820 mg/L during the 4th quarter to 1.080 mg/L during the 1st quarter of 2011. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.1430 mg/L during the 2nd quarter to 0.6710 mg/L during the 1st quarter. Ethyl-benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.050 mg/L during the 2nd quarter to 1.250 mg/L during the 1st quarter of 2011. Xylene concentrations were above the NMOCD regulatory standard during the 1st and 3rd quarters of the reporting period. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-3 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.110 mg/L during the 4th quarter to 0.425 mg/L during the 2nd quarter. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations ranged from <0.005 mg/L during the 4th quarter to 0.0099 mg/L during the 1st quarter of 2011. Toluene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0381 mg/L during the 4th quarter to 0.2150 mg/L during the 1st quarter. Ethyl-benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during

the 1st quarter to 0.0453 mg/L during the 3rd quarter of 2011. Xylene concentrations were below regulatory standard during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for fluorene (0.00180 mg/L) and phenanthrene (0.00225 mg/L). Additional PAH constituents detected above MDLs include naphthalene (0.00043 mg/L), 1-methylnaphthalene (0.0167 mg/L) and dibenzofuran (0.00180 mg/L), which are below the WQCC Drinking Water Standards.

Monitor well MW-4 is sampled on an annual schedule. Analytical results indicate benzene, toluene, ethyl-benzene and xylene concentrations were below the MDL and NMOCD regulatory standards during the 4th quarter of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 24 consecutive quarters. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-5 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0849 mg/L during the 2nd quarter to 0.2520 mg/L during the 4th quarter. Benzene concentrations were above the NMOCD regulatory standard during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0085 mg/L during the 2nd quarter to 0.3440 mg/L during the 1st quarter. Ethyl-benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0371 mg/L during the 3rd quarter of 2011. Xylene concentrations were below regulatory standard during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-6 is sampled on a quarterly schedule. Analytical results indicate benzene, toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 28 consecutive quarters. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-7 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.512 mg/L during the 4th quarter to 1.130 mg/L during the 2nd quarter. Benzene concentrations were above the NMOCD regulatory standard all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.187 mg/L during the 4th quarter to 0.410 mg/L during the 1st quarter. Ethyl-benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from 0.160 mg/L during the 4th quarter to 0.897 mg/L during the 3rd quarter. Xylene concentrations were above the NMOCD regulatory standard during the 3rd quarter of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.000956 mg/L), 1-methylnaphthalene (0.00527 mg/L), 2-methylnaphthalene (0.00127 mg/L), fluorene (0.000453 mg/L), phenanthrene (0.000372 mg/L) and dibenzofuran (0.00047 mg/L), which are below WQCC standards.

Monitor well MW-8 is sampled on a quarterly schedule. Analytical results indicate benzene, toluene, ethyl-benzene and xylene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 22 consecutive quarters. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-9 is sampled on a quarterly schedule and analytical results indicate benzene, toluene, ethyl-benzene and xylene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 23 consecutive quarters. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-10 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0265 mg/L during the 2nd quarter to 0.2520 mg/L during the 4th quarter. Benzene concentrations were above the NMOCD regulatory standard all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0108 mg/L during the 2nd quarter to 0.0566 mg/L during the 1st quarter. Ethyl-benzene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4th quarter to 0.0321 mg/L during the 1st quarter. Xylene concentrations were below the NMOCD regulatory standard during all four quarters of the reporting period. PAH analysis was not required during the 4th quarter sampling event.

Monitor well MW-11 is sampled on a quarterly schedule and analytical results indicate benzene, toluene, ethyl-benzene and xylene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 17 consecutive quarters. PAH analysis was not required during the 4th quarter sampling event.

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

SUMMARY

This report presents the results of monitoring activities for the 2011 annual monitoring period. Currently, there are eleven groundwater monitor wells (MW-1 through MW-11) on site. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.005 feet/foot to the south.

During the reporting period, no measurable thickness of PSH was detected in any of the site monitor wells.

Review of the laboratory analytical results of the groundwater samples obtained during this annual reporting period indicate BTEX constituent concentrations are below the applicable NMOCD regulatory standards in five of the eleven monitor wells on site. At this time, dissolved phase impact appears to be delineated and limited to monitor wells MW-1 through MW-3, MW-5, MW-7 and MW-10. Review of PAH analysis indicates an increasing trend in constituent concentrations in monitor wells MW-1 and MW-3 and fluctuating in MW-7.

ANTICIPATED ACTIONS

Quarterly monitoring and groundwater sampling will continue in 2012. Plains respectfully requests NMOCD approval to modify the sampling schedule for the following monitor wells:

- Monitor well MW-8 is currently sampled on a quarterly schedule. Plains proposes to modify the schedule to a annual schedule. This down-gradient monitor well was installed during the 1st quarter 2006 and the analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 22 consecutive quarters.

- Monitor well MW-9 is currently sampled on a quarterly schedule. Plains proposes to modify the schedule to an annual schedule. This down-gradient monitor well was installed during the 1st quarter 2006 and the analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last 23 consecutive quarters.

Quarterly monitoring and groundwater sampling will continue in 2012. Gauging will continue on a monthly schedule and will be adjusted according to site conditions. An Annual Monitoring Report will be submitted to the NMOCD by April 1, 2013.

Based on the results of the PAH analysis over the past several years, PAH analysis will be conducted only on monitor wells MW-1, MW-3 and MW-7.

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 and information generated by EPI. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

DISTRIBUTION

Copy 1 Ed Hansen
New Mexico Energy, Minerals and Natural Resources Department
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Santa Fe, NM 87505

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New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
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jhenry@paalp.com

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jpdann@paalp.com

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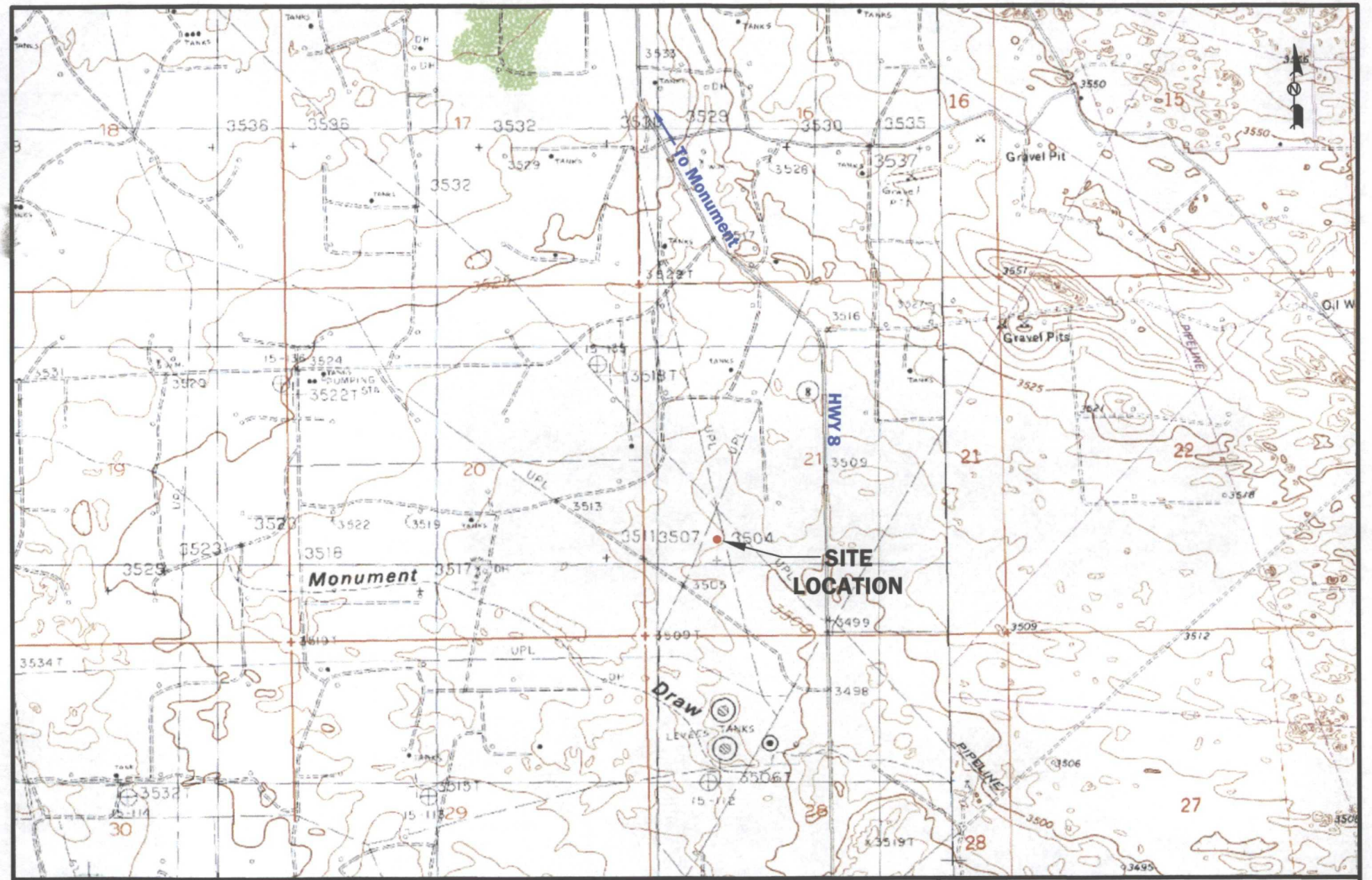
rrounsaville@novatraining.cc

Figures



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

NMOCD Reference #1R-0386

Figure 1
Site Location Map
34 Junction Lea Station
Plains Marketing, L.P.
Lea County, NM

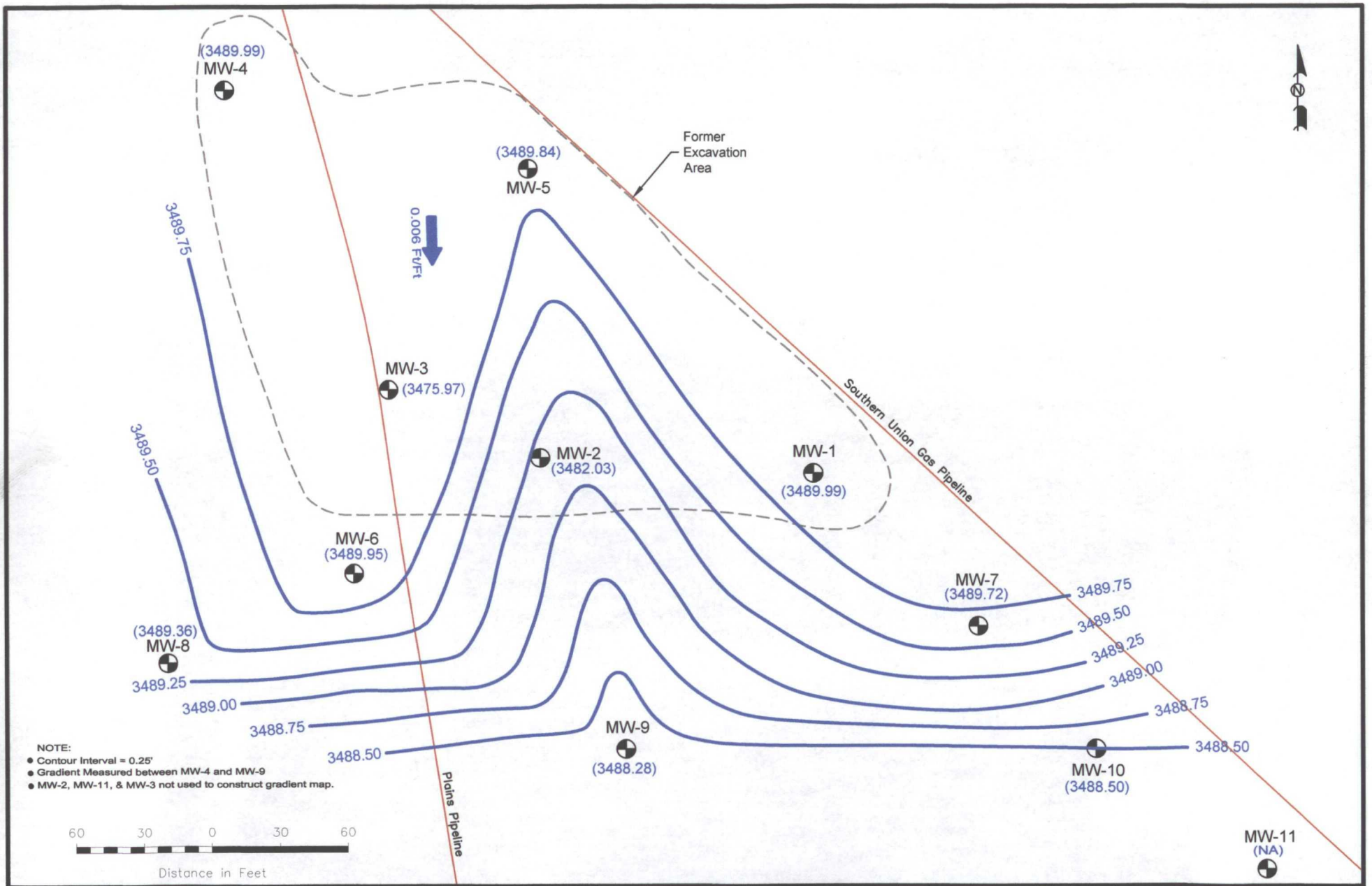
NOVA safety and environmental

2057 Commerce Drive
Midland, Texas 79703
432.520.7720

www.novasafetyandenvironmental.com

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

LATITUDE & LONGITUDE COORDINATES: N 32° 33' 18.8" W 103° 15' 39.7"



LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NS) Not Sampled
- (NA) Not Applicable
- 0.008 Ft/Ft Groundwater Direction and Magnitude

Figure 2A
Inferred Groundwater Gradient Map
(2/09/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

NOVA safety and environmental
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May 4, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

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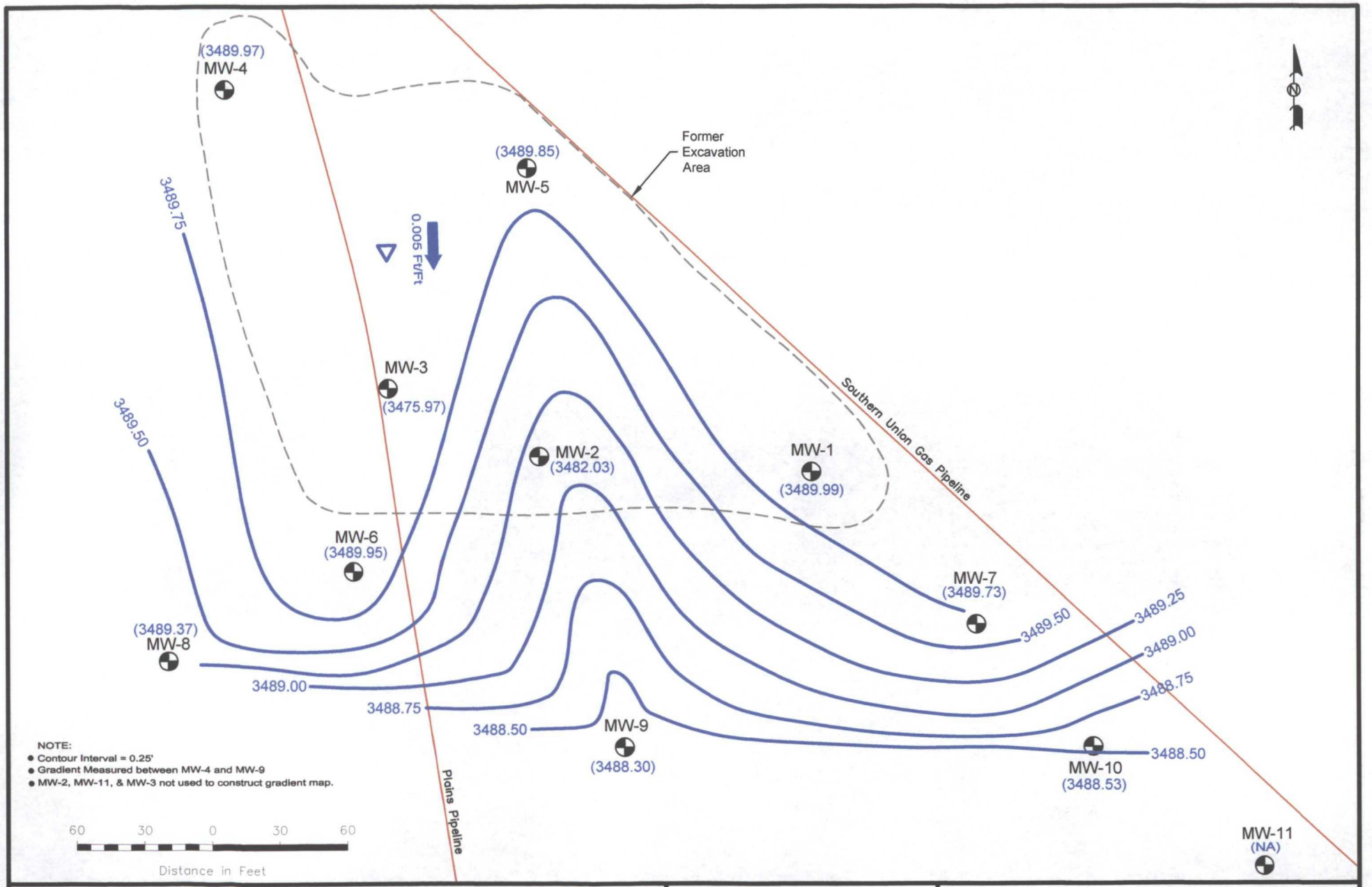

LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NS) Not Sampled
- (NA) Not Applicable
- 0.008 Ft/Ft Groundwater Direction and Magnitude

Figure 2B
Inferred Groundwater Gradient Map
(5/03/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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May 31, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

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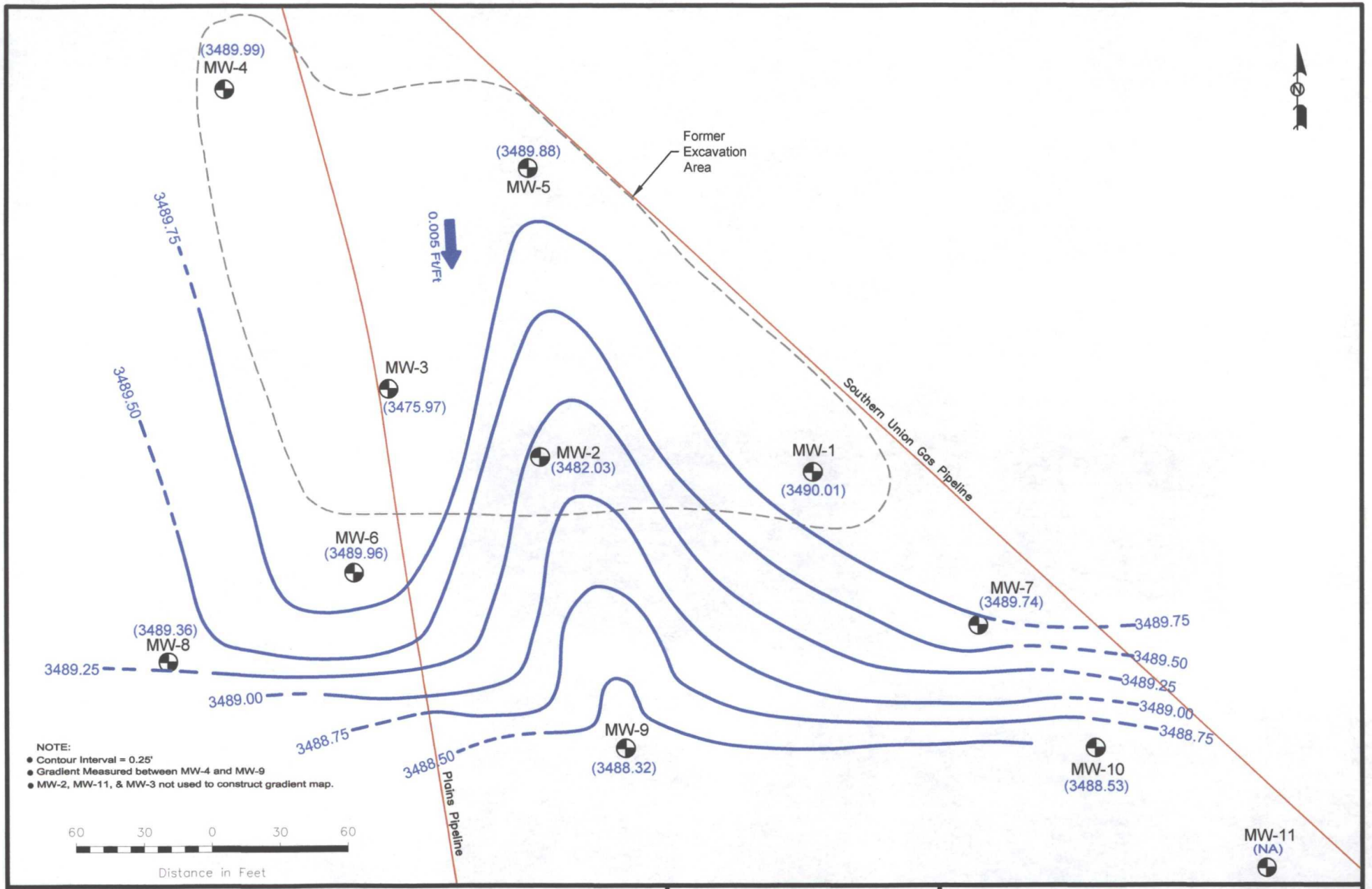

LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NS) Not Sampled
- (NA) Not Applicable
- 0.008 Ft/Ft Groundwater Direction and Magnitude

Figure 2C
Inferred Groundwater Gradient Map
(8/02/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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September 9, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

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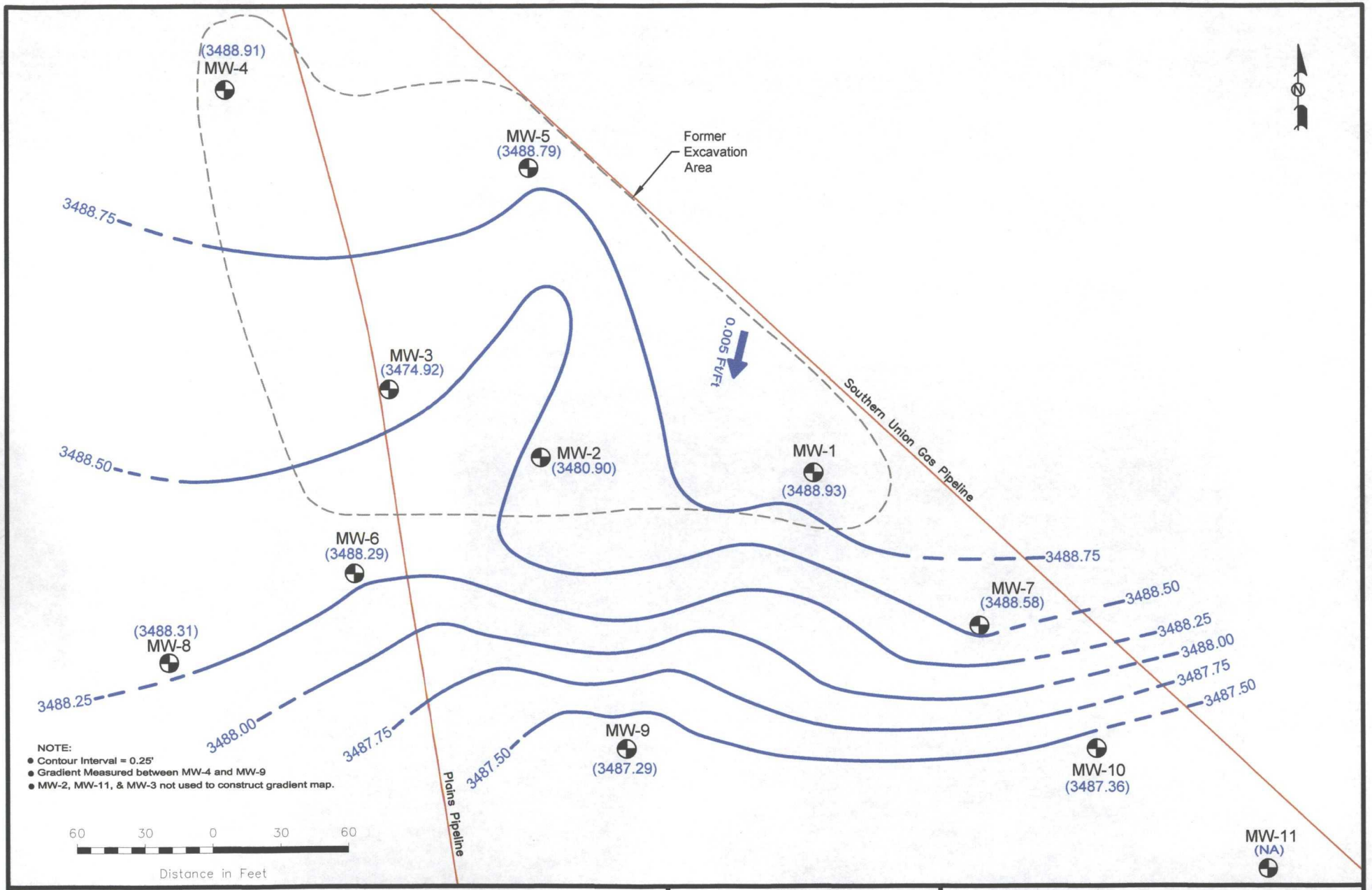

LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NS) Not Sampled
- (NA) Not Applicable
- 0.008 Ft/Ft Groundwater Direction and Magnitude

Figure 2D
Inferred Groundwater Gradient Map
(11/21/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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November 29, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

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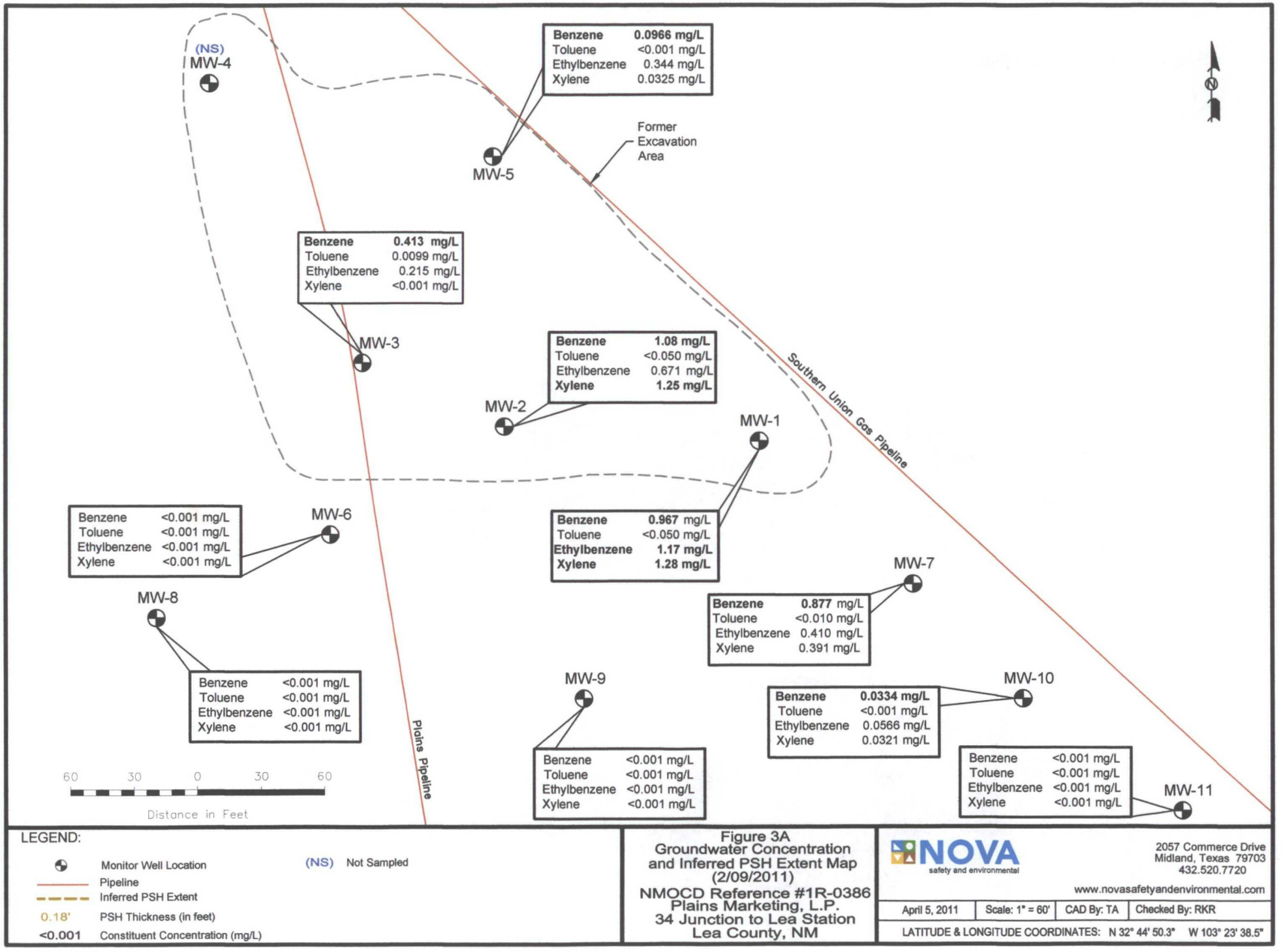

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map (2/09/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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April 5, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

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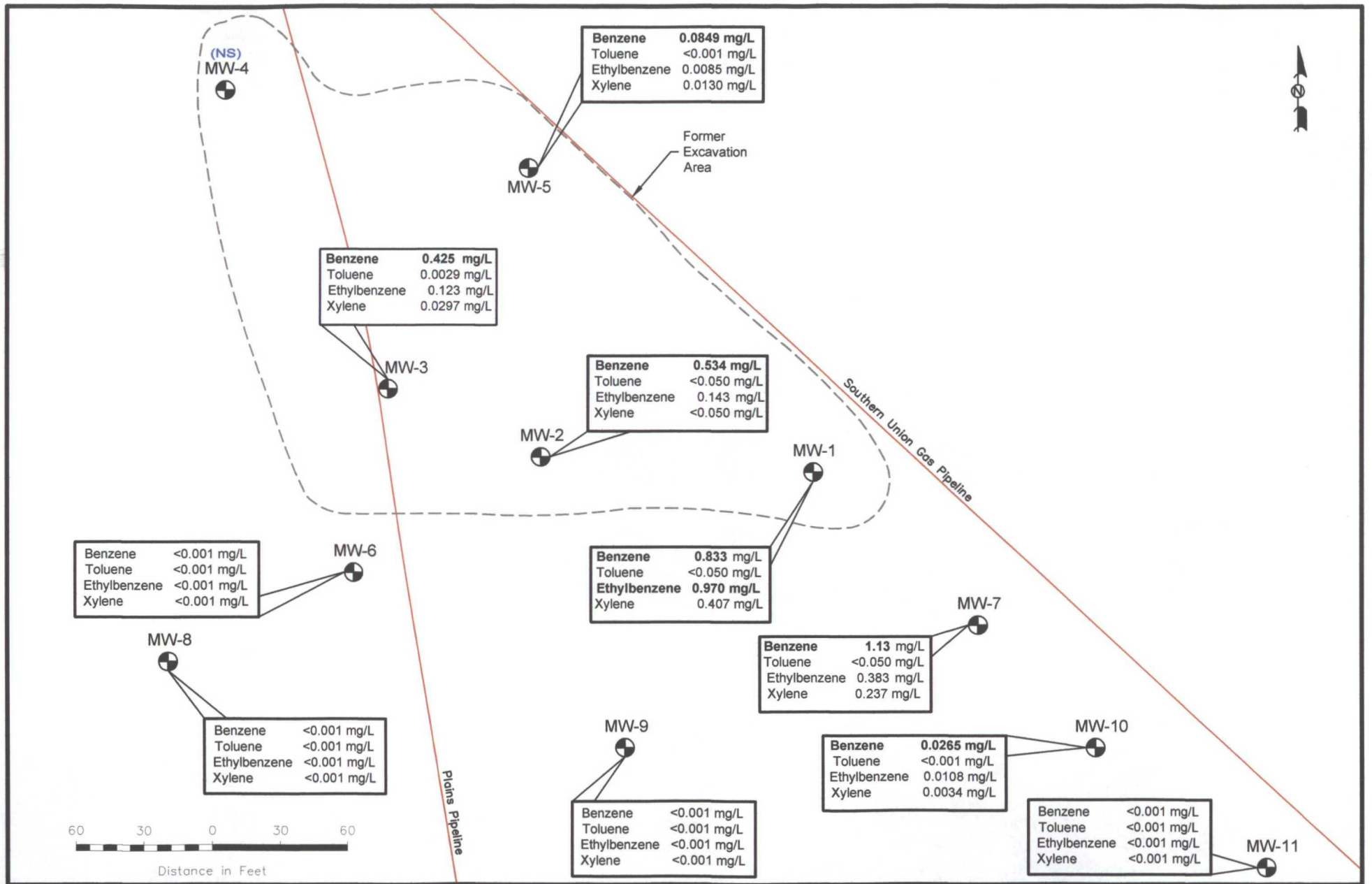

LEGEND:

- Monitor Well Location
- Pipeline
- Inferred PSH Extent
- 0.18' PSH Thickness (in feet)
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map (5/03/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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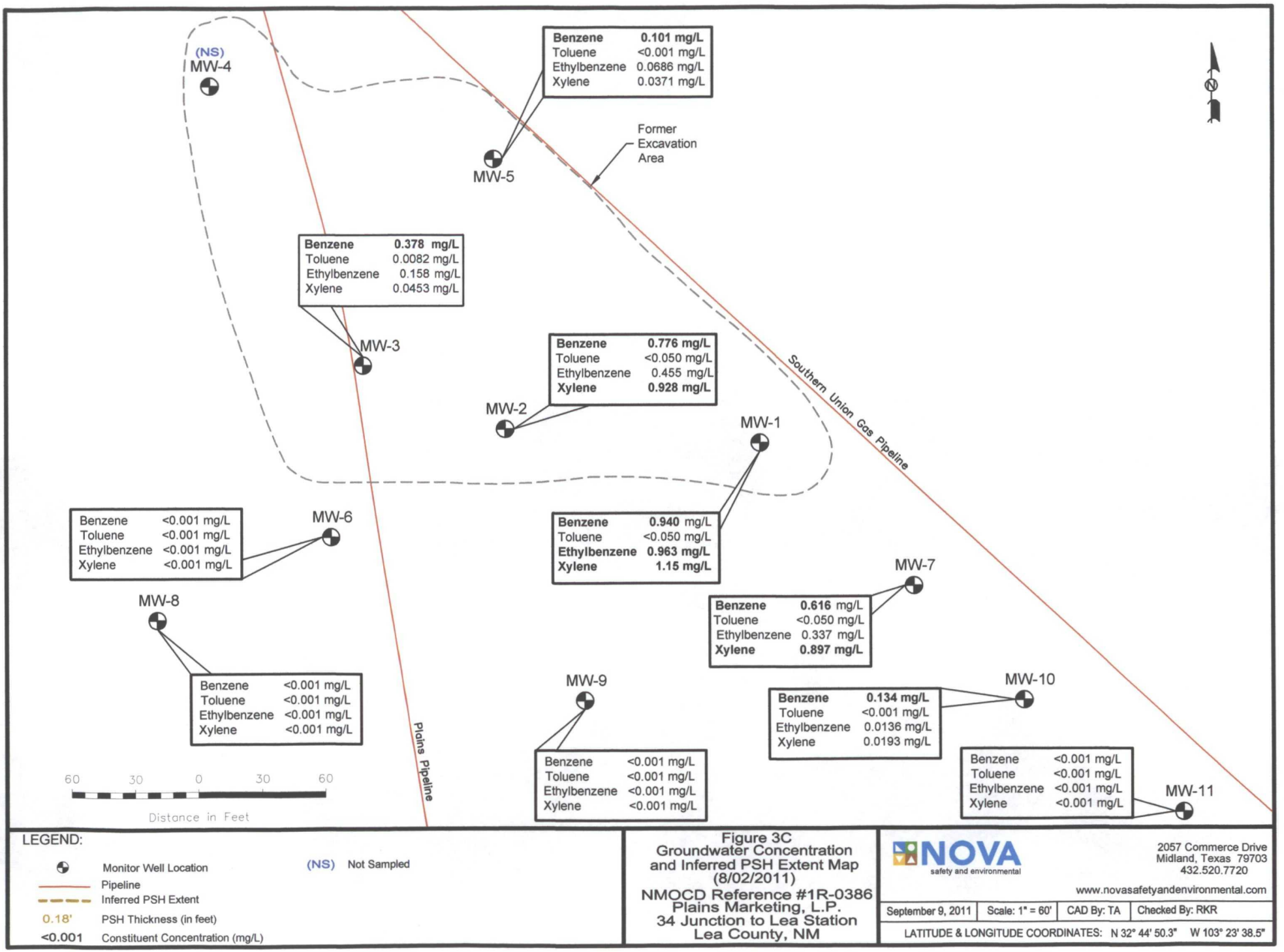
May 31, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 44' 50.3" W 103° 23' 38.5"



LEGEND:

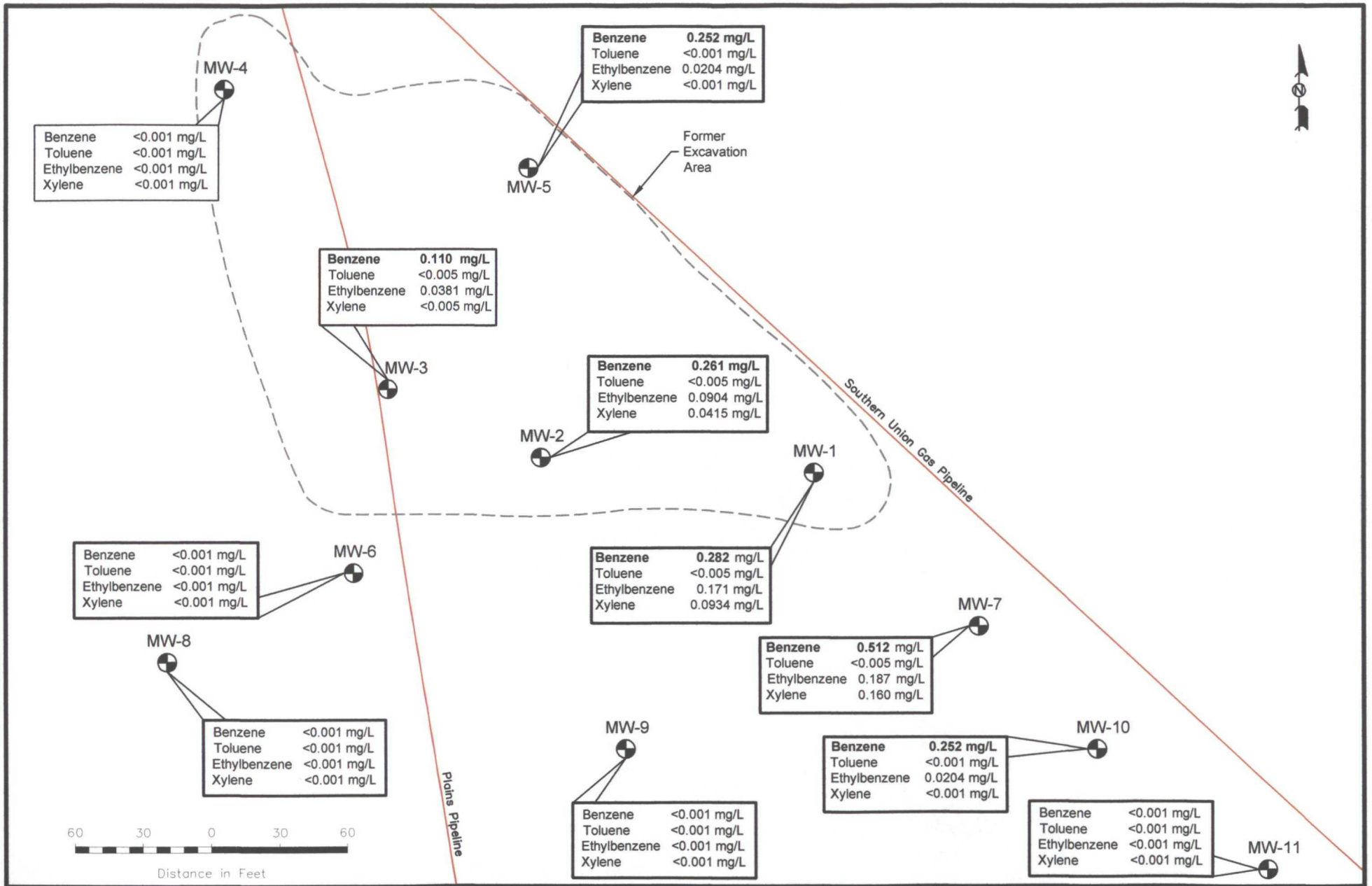
- Monitor Well Location
- Pipeline
- Inferred PSH Extent
- 0.18' PSH Thickness (in feet)
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map (8/02/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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

September 9, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 44' 50.3" W 103° 23' 38.5"



LEGEND:

- Monitor Well Location
- Pipeline
- Inferred PSH Extent
- 0.18' PSH Thickness (in feet)
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map (11/21/2011)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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December 2, 2011	Scale: 1" = 60'	CAD By: TA	Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 44' 50.3" W 103° 23' 38.5"

Tables

TABLE 1

GROUNDWATER ELEVATION DATA - 2011

Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, New Mexico
NMOCD Reference #1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	*02/09/11*	3,508.17	-	18.18	0.00	3,489.99
MW - 1	*05/03/11*	3,508.17	-	18.18	0.00	3,489.99
MW - 1	05/19/11	3,508.17	-	18.61	0.00	3,489.56
MW - 1	05/25/11	3,508.17	-	18.69	0.00	3,489.48
MW - 1	06/06/11	3,508.17	-	18.76	0.00	3,489.41
MW - 1	06/13/11	3,508.17	-	18.68	0.00	3,489.49
MW - 1	06/27/11	3,508.17	-	18.69	0.00	3,489.48
MW - 1	07/07/11	3,508.17	-	18.76	0.00	3,489.41
MW - 1	07/14/11	3,508.17	-	18.81	0.00	3,489.36
MW - 1	07/25/11	3,508.17	-	18.68	0.00	3,489.49
MW - 1	*08/02/11*	3,508.17	-	18.16	0.00	3,490.01
MW - 1	08/03/11	3,508.17	-	19.12	0.00	3,489.05
MW - 1	08/18/11	3,508.17	-	19.30	0.00	3,488.87
MW - 1	08/24/11	3,508.17	-	19.38	0.00	3,488.79
MW - 1	08/29/11	3,508.17	-	19.20	0.00	3,488.97
MW - 1	09/07/11	3,508.17	-	19.30	0.00	3,488.87
MW - 1	09/14/11	3,508.17	-	19.30	0.00	3,488.87
MW - 1	10/26/11	3,508.17	-	19.30	0.00	3,488.87
MW - 1	*11/21/11*	3,508.17	-	19.24	0.00	3,488.93
MW - 2	01/20/11	3,501.45	-	19.49	0.00	3,481.96
MW - 2	*02/09/11*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	*05/03/11*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	05/19/11	3,501.45	-	19.90	0.00	3,481.55
MW - 2	05/25/11	3,501.45	-	19.96	0.00	3,481.49
MW - 2	06/06/11	3,501.45	-	20.04	0.00	3,481.41
MW - 2	06/13/11	3,501.45	-	19.98	0.00	3,481.47
MW - 2	06/27/11	3,501.45	-	20.01	0.00	3,481.44
MW - 2	07/07/11	3,501.45	-	20.26	0.00	3,481.19
MW - 2	07/14/11	3,501.45	-	20.32	0.00	3,481.13
MW - 2	07/25/11	3,501.45	-	20.20	0.00	3,481.25
MW - 2	*08/02/11*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	08/03/11	3,501.45	-	20.43	0.00	3,481.02
MW - 2	08/18/11	3,501.45	-	20.62	0.00	3,480.83
MW - 2	08/24/11	3,501.45	-	20.68	0.00	3,480.77
MW - 2	08/29/11	3,501.45	-	20.48	0.00	3,480.97
MW - 2	09/07/11	3,501.45	-	20.64	0.00	3,480.81
MW - 2	09/14/11	3,501.45	-	20.65	0.00	3,480.80
MW - 2	10/26/11	3,501.45	-	20.64	0.00	3,480.81
MW - 2	*11/21/11*	3,501.45	-	20.55	0.00	3,480.90
MW - 3	01/20/11	3,495.97	-	20.06	0.00	3,475.91
MW - 3	*02/09/11*	3,495.97	-	20.00	0.00	3,475.97
MW - 3	*05/03/11*	3,495.97	-	20.00	0.00	3,475.97
MW - 3	05/19/11	3,495.97	-	20.43	0.00	3,475.54
MW - 3	05/25/11	3,495.97	-	20.40	0.00	3,475.57

TABLE 1

GROUNDWATER ELEVATION DATA - 2011

Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, New Mexico
NMOCD Reference #1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	06/06/11	3,495.97	-	20.53	0.00	3,475.44
MW - 3	06/13/11	3,495.97	-	20.47	0.00	3,475.50
MW - 3	06/27/11	3,495.97	-	20.49	0.00	3,475.48
MW - 3	07/07/11	3,495.97	-	20.59	0.00	3,475.38
MW - 3	07/14/11	3,495.97	-	20.57	0.00	3,475.40
MW - 3	07/25/11	3,495.97	-	20.53	0.00	3,475.44
MW - 3	*08/02/11*	3,495.97	-	20.00	0.00	3,475.97
MW - 3	08/03/11	3,495.97	-	20.94	0.00	3,475.03
MW - 3	08/18/11	3,495.97	-	20.25	0.00	3,475.72
MW - 3	08/24/11	3,495.97	-	20.31	0.00	3,475.66
MW - 3	08/29/11	3,495.97	-	20.05	0.00	3,475.92
MW - 3	09/07/11	3,495.97	-	21.12	0.00	3,474.85
MW - 3	09/14/11	3,495.97	-	21.12	0.00	3,474.85
MW - 3	10/26/11	3,495.97	-	21.25	0.00	3,474.72
MW - 3	*11/21/11*	3,495.97	-	21.05	0.00	3,474.92
MW - 4	*02/09/11*	3,509.01	-	19.02	0.00	3,489.99
MW - 4	*05/03/11*	3,509.01	-	19.04	0.00	3,489.97
MW - 4	*08/02/11*	3,509.01	-	19.02	0.00	3,489.99
MW - 4	*11/21/11*	3,509.01	-	20.10	0.00	3,488.91
MW - 5	*02/09/11*	3,508.74	-	18.90	0.00	3,489.84
MW - 5	*05/03/11*	3,508.74	-	18.89	0.00	3,489.85
MW - 5	05/19/11	3,508.74	-	19.64	0.00	3,489.10
MW - 5	05/25/11	3,508.74	-	19.62	0.00	3,489.12
MW - 5	06/06/11	3,508.74	-	19.45	0.00	3,489.29
MW - 5	06/13/11	3,508.74	-	19.60	0.00	3,489.14
MW - 5	06/27/11	3,508.74	-	19.58	0.00	3,489.16
MW - 5	07/07/11	3,508.74	-	19.60	0.00	3,489.14
MW - 5	07/14/11	3,508.74	-	19.63	0.00	3,489.11
MW - 5	07/25/11	3,508.74	-	19.67	0.00	3,489.07
MW - 5	*08/02/11*	3,508.74	-	18.86	0.00	3,489.88
MW - 5	08/03/11	3,508.74	-	19.81	0.00	3,488.93
MW - 5	08/18/11	3,508.74	-	19.99	0.00	3,488.75
MW - 5	08/24/11	3,508.74	-	20.10	0.00	3,488.64
MW - 5	08/29/11	3,508.74	-	19.92	0.00	3,488.82
MW - 5	09/07/11	3,508.74	-	20.06	0.00	3,488.68
MW - 5	09/14/11	3,508.74	-	20.19	0.00	3,488.55
MW - 5	10/26/11	3,508.74	-	20.03	0.00	3,488.71
MW - 5	*11/21/11*	3,508.74	-	19.95	0.00	3,488.79
MW - 6	*02/09/11*	3,509.76	-	19.81	0.00	3,489.95
MW - 6	*05/03/11*	3,509.76	-	19.81	0.00	3,489.95
MW - 6	*08/02/11*	3,509.76	-	19.80	0.00	3,489.96
MW - 6	*11/21/11*	3,509.76	-	21.47	0.00	3,488.29

TABLE 1

GROUNDWATER ELEVATION DATA - 2011

Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, New Mexico
NMOCD Reference #1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 7	*02/09/11*	3,507.38	-	17.66	0.00	3,489.72
MW - 7	*05/03/11*	3,507.38	-	17.65	0.00	3,489.73
MW - 7	05/19/11	3,507.38	-	18.16	0.00	3,489.22
MW - 7	05/25/11	3,507.38	-	18.24	0.00	3,489.14
MW - 7	06/06/11	3,507.38	-	18.29	0.00	3,489.09
MW - 7	06/13/11	3,507.38	-	18.21	0.00	3,489.17
MW - 7	06/27/11	3,507.38	-	18.28	0.00	3,489.10
MW - 7	07/07/11	3,507.38	-	18.42	0.00	3,488.96
MW - 7	07/14/11	3,507.38	-	18.51	0.00	3,488.87
MW - 7	07/25/11	3,507.38	-	18.54	0.00	3,488.84
MW - 7	*08/02/11*	3,507.38	-	17.64	0.00	3,489.74
MW - 7	08/03/11	3,507.38	-	18.67	0.00	3,488.71
MW - 7	08/18/11	3,507.38	-	18.79	0.00	3,488.59
MW - 7	08/24/11	3,507.38	-	18.84	0.00	3,488.54
MW - 7	08/29/11	3,507.38	-	18.71	0.00	3,488.67
MW - 7	09/07/11	3,507.38	-	18.82	0.00	3,488.56
MW - 7	09/14/11	3,507.38	-	18.84	0.00	3,488.54
MW - 7	10/26/11	3,507.38	-	18.84	0.00	3,488.54
MW - 7	*11/21/11*	3,507.38	-	18.80	0.00	3,488.58
MW - 8	*02/09/11*	3,512.14	-	22.78	0.00	3,489.36
MW - 8	*05/03/11*	3,512.14	-	22.77	0.00	3,489.37
MW - 8	*08/02/11*	3,512.14	-	22.78	0.00	3,489.36
MW - 8	*11/21/11*	3,512.14	-	23.83	0.00	3,488.31
MW - 9	*02/09/11*	3,509.34	-	21.06	0.00	3,488.28
MW - 9	*05/03/11*	3,509.34	-	21.04	0.00	3,488.30
MW - 9	*08/02/11*	3,509.34	-	21.02	0.00	3,488.32
MW - 9	*11/21/11*	3,509.34	-	22.05	0.00	3,487.29
MW - 10	*02/09/11*	3,506.66	-	18.16	0.00	3,488.50
MW - 10	*05/03/11*	3,506.66	-	18.13	0.00	3,488.53
MW - 10	05/19/11	3,506.66	-	18.70	0.00	3,487.96
MW - 10	05/25/11	3,506.66	-	18.78	0.00	3,487.88
MW - 10	06/06/11	3,506.66	-	18.84	0.00	3,487.82
MW - 10	06/13/11	3,506.66	-	18.79	0.00	3,487.87
MW - 10	06/27/11	3,506.66	-	18.82	0.00	3,487.84
MW - 10	07/07/11	3,506.66	-	19.02	0.00	3,487.64
MW - 10	07/14/11	3,506.66	-	19.09	0.00	3,487.57
MW - 10	07/25/11	3,506.66	-	19.18	0.00	3,487.48
MW - 10	*08/02/11*	3,506.66	-	18.13	0.00	3,488.53
MW - 10	08/03/11	3,506.66	-	19.22	0.00	3,487.44
MW - 10	08/18/11	3,506.66	-	19.38	0.00	3,487.28
MW - 10	08/24/11	3,506.66	-	19.47	0.00	3,487.19
MW - 10	08/29/11	3,506.66	-	19.30	0.00	3,487.36
MW - 10	09/07/11	3,506.66	-	19.38	0.00	3,487.28

TABLE 1

GROUNDWATER ELEVATION DATA - 2011

Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, New Mexico
NMOCD Reference #1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 10	09/14/11	3,506.66	-	19.38	0.00	3,487.28
MW - 10	10/26/11	3,506.66	-	19.38	0.00	3,487.28
MW - 10	*11/21/11*	3,506.66	-	19.30	0.00	3,487.36
MW - 11	*02/09/11*		-	21.15	0.00	
MW - 11	*05/03/11*		-	21.15	0.00	
MW - 11	*08/02/11*		-	21.12	0.00	
MW - 11	*11/21/11*		-	21.27	0.00	

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

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2011

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		**0.01 (mg/L)**	**0.75 (mg/L)**	**0.75 (mg/L)**	**0.62 (mg/L)**	
MW - 1	02/09/11	**0.967**	<0.050	**1.170**	**1.2800**	
MW - 1	05/03/11	**0.833**	<0.050	**0.970**	0.4070	
MW - 1	08/02/11	**0.940**	<0.050	**0.963**	**1.1500**	
MW - 1	11/21/11	**0.282**	<0.005	0.171	0.0934	
MW - 2	02/09/11	**1.0800**	<0.050	0.671	**1.2500**	
MW - 2	05/03/11	**0.5340**	<0.050	0.143	<0.050	
MW - 2	08/02/11	**0.7760**	<0.050	0.455	**0.9280**	
MW - 2	11/21/11	**0.2820**	<0.005	0.171	0.0934	
MW - 3	02/09/11	**0.413**	0.0099	0.2150	<0.001	
MW - 3	05/03/11	**0.425**	0.0029	0.1230	0.0297	
MW - 3	08/02/11	**0.378**	0.0082	0.1580	0.0453	
MW - 3	11/21/11	**0.110**	<0.005	0.0381	<0.005	
MW - 4	02/09/11	Not Sampled on Current Sample Schedule				
MW - 4	05/03/11	Not Sampled on Current Sample Schedule				
MW - 4	08/02/11	Not Sampled on Current Sample Schedule				
MW - 4	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/09/11	**0.0966**	<0.001	0.3440	0.0325	
MW - 5	05/03/11	**0.0849**	<0.001	0.0085	0.0130	
MW - 5	08/02/11	**0.1010**	<0.001	0.0686	0.0371	
MW - 5	11/21/11	**0.2520**	<0.001	0.0204	<0.001	
MW - 6	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/09/11	**0.877**	<0.010	0.410	0.3910	
MW - 7	05/03/11	**1.130**	<0.050	0.383	0.2370	
MW - 7	08/02/11	**0.616**	<0.050	0.337	**0.8970**	
MW - 7	11/21/11	**0.512**	<0.005	0.187	0.1600	
MW - 8	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/21/11	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER - 2011

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		**0.01 (mg/L)**	**0.75 (mg/L)**	**0.75 (mg/L)**	**0.62 (mg/L)**	
MW - 9	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/09/11	**0.0334**	<0.001	0.0566	0.0321	
MW - 10	05/03/11	**0.0265**	<0.001	0.0108	0.0034	
MW - 10	08/02/11	**0.1340**	<0.001	0.0136	0.0193	
MW - 10	11/21/11	**0.2520**	<0.001	0.0204	<0.001	
MW - 11	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/21/11	<0.001	<0.001	<0.001	<0.001	

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

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0386

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	03/20/07	<0.0002	<0.0002	0.0019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	**0.0026**	<0.0004	<0.0002	<0.0002	0.0558	---	---	0.0025
	11/20/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.00216**	<0.000185	**0.00139**	<0.000185	0.010	**0.0303**	**0.00294**	0.00134
	11/10/09	<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	0.000843	<0.000184	0.00135	0.0101	0.00102	0.000547
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00146**	<0.000184	**0.00143**	<0.000184	**0.00892**	**0.0180**	**0.00719**	0.00141
MW-2	03/20/07	<0.0002	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	0.001	<0.0004	<0.0002	<0.0002	0.0214	---	---	0.0008
	11/20/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000383	<0.000185	0.000367	<0.000185	0.000269	0.00614	<0.000185	<0.000185
	11/10/09	<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	0.000833	0.00572	<0.000183	<0.000183
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	03/20/07	0.0166	<0.001	0.216	0.0067	0.0081	<0.001	<0.001	<0.002	0.0315	<0.001	0.0236	**0.148**	<0.002	<0.001	0.0246	0.417	---	---	0.111
	11/20/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000218	**0.00329**	<0.000183	**0.00263**	<0.000183	0.00547	**0.0366**	**0.00206**	0.00245
	11/10/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.00193**	<0.000185	**0.00213**	<0.000185	0.000734	0.0214	<0.000185	0.00146
	11/04/10	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	**0.00508**	<0.000198	**0.00891**	0.00101	<0.000198	**0.0606**	<0.000198	0.00285
	12/15/11	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.00180**	<0.000185	**0.00225**	<0.000185	0.00043	0.0167	<0.000185	0.0018
MW-4	03/20/07	<0.0002	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	0.0006	<0.0004	<0.0002	<0.0002	<0.0002	---	---	0.0007
	11/20/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.00045	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.00035
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	03/20/07	<0.0002	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	0.0006	<0.0004	<0.0002	<0.0002	0.0059	---	---	0.0006
	11/20/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000555	<0.000184	0.000788	<0.000184	<0.000184	0.0034	<0.000184	0.00086
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0386

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-6	03/20/07	<0.0002	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	---	---	0.0003
	11/20/08	<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
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	03/20/07	<0.0002	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	0.0009	<0.0004	<0.0002	<0.0002	0.0252	---	---	0.0092
	11/20/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00125**	<0.000184	0.00073	<0.000184	**0.0216**	**0.0212**	**0.00878**	0.00104
	11/10/09	<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	0.00169	0.00241	<0.000184	<0.000184
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000453	<0.000185	0.000372	<0.000185	0.000956	0.00527	0.00127	0.00047
MW-8	03/20/07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/20/08	<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
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-9	03/20/07	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0004	<0.0002	<0.0002	<0.0002	---	---	<0.0002
	11/20/08	<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
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	03/20/07	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	0.0085	---	---	0.0005
	11/20/08	<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	0.000646	0.000828	0.000196	<0.000185
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	03/20/07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/20/08	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
	11/10/09	<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
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		

Appendices

Appendix A
Release Notification and Corrective 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 March 17, 1999

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 **EOTT Energy LLC**	Contact **Frank Hernandez**
Address PO Box 1660 5805 East Highway 80 Midland, Texas 79702	Telephone No. 915.638.3799
Facility Name Juction JCT 34 Line to Lea #2002-10286	Facility Type 10" Steel Pipeline

Surface Owner Deck Estate	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea Lat. 32 32' 20.828"N Lon. 103 15' 38.480"W
21	21	T20S	R37E					

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 300 bbls barrels	Volume Recovered 190 bbls barrels
Source of Release 8" Steel Pipeline	Date and Hour of Occurrence 11-06-02 @ 11:00 AM	Date and Hour of Discovery 11-6-02 @ 4:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheeley	
By Whom? Pat McCasland, EPI	Date and Hour 11-07-02 @ 6:30 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Pipe repair clamp installed.

Describe Area Affected and Cleanup Action Taken.*
Site will be delineated and a remediation plan developed. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.

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: Frank Hernandez	**OIL CONSERVATION DIVISION**
Printed Name: Frank Hernandez	Approved by District Supervisor:
Title: District Environmental Supervisor	Approval Date: / Expiration Date:
Date: 9-10-02 Phone: 915.638.3799	Conditions of Approval: / Attached ☐

* Attach Additional Sheets If Necessary

Laboratory Analytical Reports

TRACEANALYSIS, INC.

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

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: February 23, 2011

Work Order: 11021001

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
257086	MW-9	water	2011-02-09	10:00	2011-02-10
257087	MW-6	water	2011-02-09	10:45	2011-02-10
257088	MW-8	water	2011-02-09	11:30	2011-02-10
257089	MW-11	water	2011-02-09	12:15	2011-02-10
257090	MW-5	water	2011-02-09	13:00	2011-02-10
257091	MW-10	water	2011-02-09	13:45	2011-02-10
257092	MW-3	water	2011-02-09	14:45	2011-02-10
257093	MW-2	water	2011-02-09	15:30	2011-02-10
257094	MW-1	water	2011-02-09	16:15	2011-02-10
257095	MW-7	water	2011-02-09	17:00	2011-02-10

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

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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

Standard Flags

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

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2011-02-10 and assigned to work order 11021001. Samples for work order 11021001 were received intact without headspace and at a temperature of 10.6 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	66588	2011-02-15 at 09:20	77636	2011-02-15 at 09:20
BTEX	S 8021B	66682	2011-02-16 at 15:35	77744	2011-02-16 at 15:35
BTEX	S 8021B	66740	2011-02-22 at 15:10	77815	2011-02-22 at 15:10

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 11021001 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: 257086 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77815	Date Analyzed:	2011-02-22	Analyzed By:	ME
Prep Batch:	66740	Sample Preparation:	2011-02-22	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.122	mg/L	1	0.100	122	78.6 - 122.8

Sample: 257087 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.0913	mg/L	1	0.100	91	78.6 - 122.8

Sample: 257088 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.0990	mg/L	1	0.100	99	78.6 - 122.8

Sample: 257089 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.0990	mg/L	1	0.100	99	78.6 - 122.8

Sample: 257090 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0966**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.344**	mg/L	1	0.00100
Xylene		**0.0325**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[1]	0.0706	mg/L	1	0.100	71	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.106	mg/L	1	0.100	106	78.6 - 122.8

Sample: 257091 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0334**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0566**	mg/L	1	0.00100
Xylene		**0.0321**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0828	mg/L	1	0.100	83	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.0889	mg/L	1	0.100	89	78.6 - 122.8

Sample: 257092 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.413**	mg/L	1	0.00100
Toluene		**0.00990**	mg/L	1	0.00100
Ethylbenzene		**0.215**	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	[2]	0.0599	mg/L	1	0.100	60	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.108	mg/L	1	0.100	108	78.6 - 122.8

[1] Surrogate out due to peak interference.
[2] Surrogate out due to peak interference.

Sample: 257093 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**1.08**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**0.671**	mg/L	50	0.00100
Xylene		**1.25**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.00	mg/L	50	5.00	100	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		4.72	mg/L	50	5.00	94	78.6 - 122.8

Sample: 257094 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77636	Date Analyzed:	2011-02-15	Analyzed By:	ME
Prep Batch:	66588	Sample Preparation:	2011-02-15	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.967**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**1.17**	mg/L	50	0.00100
Xylene		**1.28**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.29	mg/L	50	5.00	106	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		5.06	mg/L	50	5.00	101	78.6 - 122.8

Sample: 257095 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	77744	Date Analyzed:	2011-02-16	Analyzed By:	ME
Prep Batch:	66682	Sample Preparation:	2011-02-16	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.877**	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		**0.410**	mg/L	10	0.00100
Xylene		**0.391**	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.912	mg/L	10	1.00	91	75.4 - 119.4
4-Bromofluorobenzene (4-BFB)		0.954	mg/L	10	1.00	95	78.6 - 122.8

Method Blank (1) QC Batch: 77636

QC Batch: 77636 | Date Analyzed: 2011-02-15 | Analyzed By: ME
Prep Batch: 66588 | QC Preparation: 2011-02-15 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000300	mg/L	0.001
Ethylbenzene		<0.000300	mg/L	0.001
Xylene		<0.000333	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0985	mg/L	1	0.100	98	70.8 - 117.4
4-Bromofluorobenzene (4-BFB)		0.110	mg/L	1	0.100	110	79 - 113.4

Method Blank (1) QC Batch: 77744

QC Batch: 77744 | Date Analyzed: 2011-02-16 | Analyzed By: ME
Prep Batch: 66682 | QC Preparation: 2011-02-16 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000300	mg/L	0.001
Ethylbenzene		<0.000300	mg/L	0.001
Xylene		<0.000333	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0956	mg/L	1	0.100	96	70.8 - 117.4
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	79 - 113.4

Method Blank (1) QC Batch: 77815

QC Batch: 77815 | Date Analyzed: 2011-02-22 | Analyzed By: ME
Prep Batch: 66740 | QC Preparation: 2011-02-22 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000300	mg/L	0.001
Ethylbenzene		<0.000300	mg/L	0.001
Xylene		<0.000333	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0957	mg/L	1	0.100	96	70.8 - 117.4
4-Bromofluorobenzene (4-BFB)		0.113	mg/L	1	0.100	113	79 - 113.4

Laboratory Control Spike (LCS-1)

QC Batch: 77636 | Date Analyzed: 2011-02-15 | Analyzed By: ME
Prep Batch: 66588 | QC Preparation: 2011-02-15 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	<0.000400	103	76.8 - 110.3
Toluene	0.103	mg/L	1	0.100	<0.000300	103	81 - 108.2
Ethylbenzene	0.104	mg/L	1	0.100	<0.000300	104	78.8 - 111
Xylene	0.313	mg/L	1	0.300	<0.000333	104	80.3 - 111.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.103	mg/L	1	0.100	<0.000400	103	76.8 - 110.3	0	20
Toluene	0.102	mg/L	1	0.100	<0.000300	102	81 - 108.2	1	20
Ethylbenzene	0.103	mg/L	1	0.100	<0.000300	103	78.8 - 111	1	20
Xylene	0.310	mg/L	1	0.300	<0.000333	103	80.3 - 111.4	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)	0.110	0.105	mg/L	1	0.100	110	105	66.6 - 114.5
4-Bromofluorobenzene (4-BFB)	0.111	0.112	mg/L	1	0.100	111	112	77.1 - 114.4

Laboratory Control Spike (LCS-1)

QC Batch: 77744 | Date Analyzed: 2011-02-16 | Analyzed By: ME
Prep Batch: 66682 | QC Preparation: 2011-02-16 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.105	mg/L	1	0.100	<0.000400	105	76.8 - 110.3
Toluene	0.104	mg/L	1	0.100	<0.000300	104	81 - 108.2
Ethylbenzene	0.104	mg/L	1	0.100	<0.000300	104	78.8 - 111
Xylene	0.310	mg/L	1	0.300	<0.000333	103	80.3 - 111.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.105	mg/L	1	0.100	<0.000400	105	76.8 - 110.3	0	20
Toluene	0.105	mg/L	1	0.100	<0.000300	105	81 - 108.2	1	20
Ethylbenzene	0.107	mg/L	1	0.100	<0.000300	107	78.8 - 111	3	20
Xylene	0.317	mg/L	1	0.300	<0.000333	106	80.3 - 111.4	2	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)	0.104	0.108	mg/L	1	0.100	104	108	66.6 - 114.5
4-Bromofluorobenzene (4-BFB)	0.113	0.110	mg/L	1	0.100	113	110	77.1 - 114.4

Laboratory Control Spike (LCS-1)

QC Batch: 77815 | Date Analyzed: 2011-02-22 | Analyzed By: ME
Prep Batch: 66740 | QC Preparation: 2011-02-22 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0925	mg/L	1	0.100	<0.000400	92	76.8 - 110.3
Toluene	0.0947	mg/L	1	0.100	<0.000300	95	81 - 108.2
Ethylbenzene	0.0949	mg/L	1	0.100	<0.000300	95	78.8 - 111
Xylene	0.288	mg/L	1	0.300	<0.000333	96	80.3 - 111.4

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0953	mg/L	1	0.100	<0.000400	95	76.8 - 110.3	3	20
Toluene	0.0974	mg/L	1	0.100	<0.000300	97	81 - 108.2	3	20
Ethylbenzene	0.0979	mg/L	1	0.100	<0.000300	98	78.8 - 111	3	20
Xylene	0.297	mg/L	1	0.300	<0.000333	99	80.3 - 111.4	3	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)	0.0960	0.0923	mg/L	1	0.100	96	92	66.6 - 114.5
4-Bromofluorobenzene (4-BFB)	0.113	0.113	mg/L	1	0.100	113	113	77.1 - 114.4

Matrix Spike (MS-1) Spiked Sample: 257094

QC Batch: 77636 | Date Analyzed: 2011-02-15 | Analyzed By: ME
Prep Batch: 66588 | QC Preparation: 2011-02-15 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	5.57	mg/L	50	5.00	0.9667	92	68.2 - 119.3
Toluene	4.87	mg/L	50	5.00	<0.0150	97	74.6 - 110.8
Ethylbenzene	5.75	mg/L	50	5.00	1.1717	92	71.6 - 111.9
Xylene	14.6	mg/L	50	15.0	1.2756	89	71.3 - 113.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	5.85	mg/L	50	5.00	0.9667	98	68.2 - 119.3	5	20
Toluene	5.04	mg/L	50	5.00	<0.0150	101	74.6 - 110.8	3	20
Ethylbenzene	5.91	mg/L	50	5.00	1.1717	95	71.6 - 111.9	3	20
Xylene	15.1	mg/L	50	15.0	1.2756	92	71.3 - 113.4	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)	5.07	5.26	mg/L	50	5	101	105	68.2 - 110.1
4-Bromofluorobenzene (4-BFB)	5.27	5.37	mg/L	50	5	105	107	78.7 - 116.2

Matrix Spike (MS-1) Spiked Sample: 257309

QC Batch: 77744 | Date Analyzed: 2011-02-16 | Analyzed By: ME
Prep Batch: 66682 | QC Preparation: 2011-02-16 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	12.1	mg/L	50	5.00	7.7551	87	68.2 - 119.3
Toluene	4.44	mg/L	50	5.00	<0.0150	89	74.6 - 110.8
Ethylbenzene	5.57	mg/L	50	5.00	1.5023	81	71.6 - 111.9
Xylene	13.4	mg/L	50	15.0	1.2505	81	71.3 - 113.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	12.2	mg/L	50	5.00	7.7551	89	68.2 - 119.3	1	20
Toluene	4.60	mg/L	50	5.00	<0.0150	92	74.6 - 110.8	4	20
Ethylbenzene	5.81	mg/L	50	5.00	1.5023	86	71.6 - 111.9	4	20
Xylene	14.0	mg/L	50	15.0	1.2505	85	71.3 - 113.4	4	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)	4.62	4.53	mg/L	50	5	92	91	68.2 - 110.1
4-Bromofluorobenzene (4-BFB)	5.06	5.05	mg/L	50	5	101	101	78.7 - 116.2

Matrix Spike (MS-1) Spiked Sample: 257764

QC Batch: 77815 | Date Analyzed: 2011-02-22 | Analyzed By: ME
Prep Batch: 66740 | QC Preparation: 2011-02-22 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	8.68	mg/L	100	10.0	0.6906	80	68.2 - 119.3
Toluene	8.73	mg/L	100	10.0	<0.0300	87	74.6 - 110.8
Ethylbenzene	8.81	mg/L	100	10.0	<0.0300	88	71.6 - 111.9
Xylene	26.5	mg/L	100	30.0	<0.0333	88	71.3 - 113.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	9.50	mg/L	100	10.0	0.6906	88	68.2 - 119.3	9	20
Toluene	9.65	mg/L	100	10.0	<0.0300	96	74.6 - 110.8	10	20
Ethylbenzene	9.82	mg/L	100	10.0	<0.0300	98	71.6 - 111.9	11	20
Xylene	29.5	mg/L	100	30.0	<0.0333	98	71.3 - 113.4	11	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	9.27	9.19	mg/L	100	10	93	92	68.2 - 110.1
4-Bromofluorobenzene (4-BFB)	11.4	11.2	mg/L	100	10	114	112	78.7 - 116.2

Standard (CCV-1)

QC Batch: 77636 | Date Analyzed: 2011-02-15 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	80 - 120	2011-02-15
Toluene		mg/L	0.100	0.102	102	80 - 120	2011-02-15
Ethylbenzene		mg/L	0.100	0.102	102	80 - 120	2011-02-15
Xylene		mg/L	0.300	0.306	102	80 - 120	2011-02-15

Standard (CCV-2)

QC Batch: 77636 Date Analyzed: 2011-02-15 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.107	107	80 - 120	2011-02-15
Toluene		mg/L	0.100	0.107	107	80 - 120	2011-02-15
Ethylbenzene		mg/L	0.100	0.103	103	80 - 120	2011-02-15
Xylene		mg/L	0.300	0.309	103	80 - 120	2011-02-15

Standard (CCV-3)

QC Batch: 77636 Date Analyzed: 2011-02-15 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	80 - 120	2011-02-15
Toluene		mg/L	0.100	0.103	103	80 - 120	2011-02-15
Ethylbenzene		mg/L	0.100	0.101	101	80 - 120	2011-02-15
Xylene		mg/L	0.300	0.301	100	80 - 120	2011-02-15

Standard (CCV-2)

QC Batch: 77744 Date Analyzed: 2011-02-16 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0910	91	80 - 120	2011-02-16
Toluene		mg/L	0.100	0.0912	91	80 - 120	2011-02-16
Ethylbenzene		mg/L	0.100	0.0900	90	80 - 120	2011-02-16
Xylene		mg/L	0.300	0.265	88	80 - 120	2011-02-16

Standard (CCV-3)

QC Batch: 77744 | Date Analyzed: 2011-02-16 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0950	95	80 - 120	2011-02-16
Toluene		mg/L	0.100	0.0954	95	80 - 120	2011-02-16
Ethylbenzene		mg/L	0.100	0.0920	92	80 - 120	2011-02-16
Xylene		mg/L	0.300	0.280	93	80 - 120	2011-02-16

Standard (CCV-1)

QC Batch: 77815 | Date Analyzed: 2011-02-22 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0943	94	80 - 120	2011-02-22
Toluene		mg/L	0.100	0.0953	95	80 - 120	2011-02-22
Ethylbenzene		mg/L	0.100	0.0963	96	80 - 120	2011-02-22
Xylene		mg/L	0.300	0.293	98	80 - 120	2011-02-22

Standard (CCV-2)

QC Batch: 77815 | Date Analyzed: 2011-02-22 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0908	91	80 - 120	2011-02-22
Toluene		mg/L	0.100	0.0920	92	80 - 120	2011-02-22
Ethylbenzene		mg/L	0.100	0.0911	91	80 - 120	2011-02-22
Xylene		mg/L	0.300	0.276	92	80 - 120	2011-02-22

LAB Order ID # 11021001

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E-mail:
Invoice to:
(If different from above)
Project #: TNH-2002-10286
Project Name: 34 Junction to Loco
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, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC						Turn Around Time if different from standard	Hold
25708	MW-9	3	VOA	X				X				X		2-9	10:00		X																							
087	MW-6														10:45																											
088	MW-8														11:30																											
089	MW-11														12:15																											
090	MW-5														13:00																											
091	MW-10														13:45																											
092	MW-3														14:45																											
093	MW-2														15:30																											
094	MW-1														16:15																											
095	MW-7														17:00																											

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
	Nova	8-10-11	8:00		Trace	8-10-11	8:00	INST ____ OBS 10.6 °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C

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

REMARKS:
* All tests - Midland

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

Carrier # Courier

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

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TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
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5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: May 6, 2011

Work Order: 11050424

Project Location: New Mexico
Project Name: 34 Junction to Lea
Project Number: 2002-10286

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
265551	MW-9	water	2011-05-03	12:00	2011-05-04
265552	MW-6	water	2011-05-03	12:30	2011-05-04
265553	MW-8	water	2011-05-03	13:00	2011-05-04
265554	MW-11	water	2011-05-03	13:30	2011-05-04
265555	MW-10	water	2011-05-03	14:00	2011-05-04
265556	MW-5	water	2011-05-03	14:30	2011-05-04
265557	MW-3	water	2011-05-03	15:30	2011-05-04
265558	MW-7	water	2011-05-03	16:00	2011-05-04
265559	MW-2	water	2011-05-03	16:30	2011-05-04
265560	MW-1	water	2011-05-03	17:00	2011-05-04

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 34 Junction to Lea were received by TraceAnalysis, Inc. on 2011-05-04 and assigned to work order 11050424. Samples for work order 11050424 were received intact without headspace and at a temperature of 3.3 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	68754	2011-05-05 at 08:42	81000	2011-05-05 at 08:42

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 11050424 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: 265551 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0874	mg/L	1	0.100	87	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.0831	mg/L	1	0.100	83	51.1 - 128

Sample: 265552 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0989	mg/L	1	0.100	99	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.0950	mg/L	1	0.100	95	51.1 - 128

Sample: 265553 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0907	mg/L	1	0.100	91	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.0880	mg/L	1	0.100	88	51.1 - 128

Sample: 265554 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0931	mg/L	1	0.100	93	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.0874	mg/L	1	0.100	87	51.1 - 128

Sample: 265555 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.0265**	mg/L	1	0.00100
Toluene		1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	**0.0108**	mg/L	1	0.00100
Xylene		1	**0.00340**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0921	mg/L	1	0.100	92	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.0909	mg/L	1	0.100	91	51.1 - 128

Sample: 265556 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.0849**	mg/L	1	0.00100
Toluene		1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	**0.00850**	mg/L	1	0.00100
Xylene		1	**0.0130**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0895	mg/L	1	0.100	90	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.110	mg/L	1	0.100	110	51.1 - 128

Sample: 265557 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.425**	mg/L	1	0.00100
Toluene		1	**0.00290**	mg/L	1	0.00100
Ethylbenzene		1	**0.123**	mg/L	1	0.00100
Xylene		1	**0.0297**	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.0936	mg/L	1	0.100	94	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	0.120	mg/L	1	0.100	120	51.1 - 128

Sample: 265558 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**1.13**	mg/L	50	0.00100
Toluene		1	<0.0500	mg/L	50	0.00100
Ethylbenzene		1	**0.383**	mg/L	50	0.00100
Xylene		1	**0.237**	mg/L	50	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	4.48	mg/L	50	5.00	90	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	4.23	mg/L	50	5.00	85	51.1 - 128

Sample: 265559 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.534**	mg/L	50	0.00100
Toluene		1	<0.0500	mg/L	50	0.00100
Ethylbenzene		1	**0.143**	mg/L	50	0.00100
Xylene		1	<0.0500	mg/L	50	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	4.44	mg/L	50	5.00	89	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	4.10	mg/L	50	5.00	82	51.1 - 128

Sample: 265560 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	Sample Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.833**	mg/L	50	0.00100
Toluene		1	<0.0500	mg/L	50	0.00100
Ethylbenzene		1	**0.970**	mg/L	50	0.00100
Xylene		1	**0.407**	mg/L	50	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	4.36	mg/L	50	5.00	87	67.8 - 129
4-Bromofluorobenzene (4-BFB)		1	4.02	mg/L	50	5.00	80	51.1 - 128

Method Blanks

Method Blank (1) QC Batch: 81000

QC Batch:	81000	Date Analyzed:	2011-05-05	Analyzed By:	ME
Prep Batch:	68754	QC Preparation:	2011-05-05	Prepared By:	ME

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000400	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000300	mg/L	0.001
Xylene		1	<0.000333	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1	0.100	mg/L	1	0.100	100	70.2 - 118
4-Bromofluorobenzene (4-BFB)		1	0.0962	mg/L	1	0.100	96	47.3 - 116

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 81000 | Date Analyzed: 2011-05-05 | Analyzed By: ME
Prep Batch: 68754 | QC Preparation: 2011-05-05 | Prepared By: ME

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0823	mg/L	1	0.100	<0.000400	82	76.8 - 110
Toluene		1	0.0952	mg/L	1	0.100	<0.000300	95	81 - 108
Ethylbenzene		1	0.102	mg/L	1	0.100	<0.000300	102	78.8 - 118
Xylene		1	0.306	mg/L	1	0.300	<0.000333	102	80.3 - 119

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	0.0816	mg/L	1	0.100	<0.000400	82	76.8 - 110	1	20
Toluene		1	0.0949	mg/L	1	0.100	<0.000300	95	81 - 108	0	20
Ethylbenzene		1	0.101	mg/L	1	0.100	<0.000300	101	78.8 - 118	1	20
Xylene		1	0.304	mg/L	1	0.300	<0.000333	101	80.3 - 119	1	20

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

Surrogate		LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1	0.0944	0.0917	mg/L	1	0.100	94	92	66.6 - 114
4-Bromofluorobenzene (4-BFB)	1	0.0967	0.0936	mg/L	1	0.100	97	94	68.2 - 124

Matrix Spike (MS-1) Spiked Sample: 265560

QC Batch: 81000 | Date Analyzed: 2011-05-05 | Analyzed By: ME
Prep Batch: 68754 | QC Preparation: 2011-05-05 | Prepared By: ME

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	4.71	mg/L	50	5.00	0.8329	78	77.9 - 114
Toluene		1	4.37	mg/L	50	5.00	<0.0150	87	78.3 - 111
Ethylbenzene		1	5.61	mg/L	50	5.00	0.9705	93	75.3 - 110
Xylene		1	14.2	mg/L	50	15.0	0.4066	92	75.7 - 109

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	4.89	mg/L	50	5.00	0.8329	81	77.9 - 114	4	20
Toluene		1	4.58	mg/L	50	5.00	<0.0150	92	78.3 - 111	5	20
Ethylbenzene		1	5.84	mg/L	50	5.00	0.9705	97	75.3 - 110	4	20
Xylene		1	15.0	mg/L	50	15.0	0.4066	97	75.7 - 109	6	20

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

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1	4.52	4.52	mg/L	50	5	90	90	68.3 - 107
4-Bromofluorobenzene (4-BFB)	1	4.50	4.47	mg/L	50	5	90	89	60.1 - 135

Calibration Standards

Standard (CCV-1)

QC Batch: 81000 | Date Analyzed: 2011-05-05 | Analyzed By: ME

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0843	84	80 - 120	2011-05-05
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2011-05-05
Ethylbenzene		1	mg/L	0.100	0.104	104	80 - 120	2011-05-05
Xylene		1	mg/L	0.300	0.312	104	80 - 120	2011-05-05

Standard (CCV-2)

QC Batch: 81000 | Date Analyzed: 2011-05-05 | Analyzed By: ME

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0811	81	80 - 120	2011-05-05
Toluene		1	mg/L	0.100	0.0931	93	80 - 120	2011-05-05
Ethylbenzene		1	mg/L	0.100	0.0979	98	80 - 120	2011-05-05
Xylene		1	mg/L	0.300	0.292	97	80 - 120	2011-05-05

Standard (CCV-3)

QC Batch: 81000 | Date Analyzed: 2011-05-05 | Analyzed By: ME

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0809	81	80 - 120	2011-05-05
Toluene		1	mg/L	0.100	0.0929	93	80 - 120	2011-05-05
Ethylbenzene		1	mg/L	0.100	0.0971	97	80 - 120	2011-05-05
Xylene		1	mg/L	0.300	0.291	97	80 - 120	2011-05-05

Appendix

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	T104704392-10-TX	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.
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 # 1105042A

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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El Paso, Texas 79922
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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 Midland TX 79705
Fax #: 432-520-7701
Contact Person: Ron R
E-mail:
Invoice to: (If different from above)
Project #: 2002-10288
Project Name: 345 to Leo
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
26551	mw-9	3	VOA	X				X				X		5-3-11	12:00
552	mw-6														12:30
553	mw-8														13:00
554	mw-11														13:30
555	mw-10														14:00
556	mw-5														14:30
557	mw-3														15:00
558	mw-7														16:00
559	mw-2														16:30
560	mw-1														17:00

ANALYSIS REQUEST (Circle or Specify Method No.)	
MTBE 8021 / 602 / 8260 / 624	
BTEX 8021 / 602 / 8260 / 624	X
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, SO4, NO3, NO2, Alkalinity	
Na, Ca, Mg, K, TDS, EC	
Turn Around Time if different from standard	
Hold	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	Nova	5-4	8:00am			5/4/11	0800
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
		5/4/11	1300		TTA	5/4/11	13:00
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

INST ____ °C
OBS ____ °C
COR ____ °C

INST ____ °C
OBS 3.3 °C
COR 3.3 °C

INST ____ °C
OBS ____ °C
COR ____ °C

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

REMARKS:
All tests Midland

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

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

Carrier #

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TRACEANALYSIS, INC.

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Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: August 5, 2011

Work Order: 11080324

Project Location: New Mexico
Project Name: 34 Junction to Lea Station
Project Number: 2002-10286

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
273562	MW-9	water	2011-08-02	11:00	2011-08-03
273563	MW-6	water	2011-08-02	11:45	2011-08-03
273564	MW-8	water	2011-08-02	12:30	2011-08-03
273565	MW-11	water	2011-08-02	13:15	2011-08-03
273566	MW-10	water	2011-08-02	14:00	2011-08-03
273567	MW-5	water	2011-08-02	14:45	2011-08-03
273568	MW-3	water	2011-08-02	15:45	2011-08-03
273569	MW-2	water	2011-08-02	16:30	2011-08-03
273570	MW-1	water	2011-08-02	17:15	2011-08-03
273571	MW-7	water	2011-08-02	18:00	2011-08-03

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

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

Standard Flags

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

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2011-08-03 and assigned to work order 11080324. Samples for work order 11080324 were received intact without headspace and at a temperature of 4.0 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	71003	2011-08-04 at 09:31	83600	2011-08-04 at 11:35

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 11080324 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: 273562 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		0.104	mg/L	1	0.100	104	67.5 - 140.8

Sample: 273563 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	67.5 - 140.8

Sample: 273564 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		0.100	mg/L	1	0.100	100	67.5 - 140.8

Sample: 273565 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.108	mg/L	1	0.100	108	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	67.5 - 140.8

Sample: 273566 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.134**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0136**	mg/L	1	0.00100
Xylene		**0.0193**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		0.105	mg/L	1	0.100	105	67.5 - 140.8

Sample: 273567 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.101**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0686**	mg/L	1	0.00100
Xylene		**0.0371**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)	[1]	0.146	mg/L	1	0.100	146	67.5 - 140.8

Sample: 273568 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.378**	mg/L	1	0.00100
Toluene		**0.00820**	mg/L	1	0.00100
Ethylbenzene		**0.158**	mg/L	1	0.00100
Xylene		**0.0453**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.112	mg/L	1	0.100	112	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		0.140	mg/L	1	0.100	140	67.5 - 140.8

[1]High surrogate recovery due to peak interference.

Sample: 273569 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.776**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**0.455**	mg/L	50	0.00100
Xylene		**0.928**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.03	mg/L	50	5.00	101	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		5.07	mg/L	50	5.00	101	67.5 - 140.8

Sample: 273570 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.940**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**0.963**	mg/L	50	0.00100
Xylene		**1.15**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.31	mg/L	50	5.00	106	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		5.34	mg/L	50	5.00	107	67.5 - 140.8

Sample: 273571 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	83600	Date Analyzed:	2011-08-04	Analyzed By:	ME
Prep Batch:	71003	Sample Preparation:	2011-08-04	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.616**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**0.337**	mg/L	50	0.00100
Xylene		**0.897**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.00	mg/L	50	5.00	100	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)		4.93	mg/L	50	5.00	99	67.5 - 140.8

Method Blank (1) QC Batch: 83600

QC Batch: 83600 | Date Analyzed: 2011-08-04 | Analyzed By: ME
Prep Batch: 71003 | QC Preparation: 2011-08-04 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000400	mg/L	0.001
Toluene		<0.000300	mg/L	0.001
Ethylbenzene		<0.000300	mg/L	0.001
Xylene		<0.000333	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.105	mg/L	1	0.100	105	61.1 - 118.4
4-Bromofluorobenzene (4-BFB)		0.0963	mg/L	1	0.100	96	45.9 - 126.4

Laboratory Control Spike (LCS-1)

QC Batch: 83600 | Date Analyzed: 2011-08-04 | Analyzed By: ME
Prep Batch: 71003 | QC Preparation: 2011-08-04 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000400	102	88 - 116.8
Toluene	0.0986	mg/L	1	0.100	<0.000300	99	90.9 - 122.2
Ethylbenzene	0.0930	mg/L	1	0.100	<0.000300	93	72.7 - 120.2
Xylene	0.279	mg/L	1	0.300	<0.000333	93	72.1 - 121.5

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.106	mg/L	1	0.100	<0.000400	106	88 - 116.8	4	20
Toluene	0.102	mg/L	1	0.100	<0.000300	102	90.9 - 122.2	3	20
Ethylbenzene	0.0970	mg/L	1	0.100	<0.000300	97	72.7 - 120.2	4	20
Xylene	0.291	mg/L	1	0.300	<0.000333	97	72.1 - 121.5	4	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)	0.101	0.102	mg/L	1	0.100	101	102	61.9 - 119.2
4-Bromofluorobenzene (4-BFB)	0.0993	0.101	mg/L	1	0.100	99	101	56.4 - 127.9

Matrix Spike (MS-1) Spiked Sample: 273571

QC Batch: 83600 | Date Analyzed: 2011-08-04 | Analyzed By: ME
Prep Batch: 71003 | QC Preparation: 2011-08-04 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	5.49	mg/L	50	5.00	0.6162	97	66.9 - 128.2
Toluene	5.00	mg/L	50	5.00	<0.0150	100	81.6 - 122.9
Ethylbenzene	4.75	mg/L	50	5.00	0.3368	88	62.7 - 117.9
Xylene	14.1	mg/L	50	15.0	0.8973	88	62.9 - 118.2

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	5.51	mg/L	50	5.00	0.6162	98	66.9 - 128.2	0	20
Toluene	5.01	mg/L	50	5.00	<0.0150	100	81.6 - 122.9	0	20
Ethylbenzene	4.80	mg/L	50	5.00	0.3368	89	62.7 - 117.9	1	20
Xylene	14.3	mg/L	50	15.0	0.8973	89	62.9 - 118.2	1	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	5.03	5.12	mg/L	50	5	101	102	58.6 - 119.7
4-Bromofluorobenzene (4-BFB)	5.18	5.29	mg/L	50	5	104	106	52.2 - 135.8

Standard (CCV-1)

QC Batch: 83600 | Date Analyzed: 2011-08-04 | Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	80 - 120	2011-08-04
Toluene		mg/L	0.100	0.102	102	80 - 120	2011-08-04
Ethylbenzene		mg/L	0.100	0.0980	98	80 - 120	2011-08-04
Xylene		mg/L	0.300	0.294	98	80 - 120	2011-08-04

Standard (CCV-2)

QC Batch: 83600 Date Analyzed: 2011-08-04 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	80 - 120	2011-08-04
Toluene		mg/L	0.100	0.0994	99	80 - 120	2011-08-04
Ethylbenzene		mg/L	0.100	0.0936	94	80 - 120	2011-08-04
Xylene		mg/L	0.300	0.280	93	80 - 120	2011-08-04

Standard (CCV-3)

QC Batch: 83600 Date Analyzed: 2011-08-04 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	80 - 120	2011-08-04
Toluene		mg/L	0.100	0.0978	98	80 - 120	2011-08-04
Ethylbenzene		mg/L	0.100	0.0923	92	80 - 120	2011-08-04
Xylene		mg/L	0.300	0.277	92	80 - 120	2011-08-04

LAB Order ID # 11080324

Page 1 of 1

TraceAnalysis, Inc.

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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 Midland TX 79703

Fax #: 432-520-7701

Contact Person: Ron K.

E-mail:

Invoice to:
(If different from above)

Project #: 2002-10786

Project Name: 34 S to Leg

Project Location (including state): New Mexico

Sampler Signature: R. K.

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
73562	mw-9	3	40ml	X				X				X		8-2	11:00
563	mw-6														11:45
564	mw-8														12:30
565	mw-11														13:15
566	mw-10														14:00
567	mw-5														14:05
568	mw-3														15:45
569	mw-2														16:30
570	mw-1														17:15
571	mw-7														18:00

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																						

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	[signature]	08/03/11	1135	[signature]	Trace Analysis	8.3.11	1135	INST ___ OBS 4.0 °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
4°C
Log-in-Review

REMARKS:
All tests Midland

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

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

Carrier # Courier

ORIGINAL COPY

TRACEANALYSIS, INC.

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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: November 28, 2011

Work Order: 11112201

Project Location: New Mexico
Project Name: 34 Junction to Lea
Project Number: 2002-10286

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
282928	MW 4	water	2011-11-21	11:20	2011-11-22
282929	MW 9	water	2011-11-21	12:00	2011-11-22
282930	MW 6	water	2011-11-21	12:30	2011-11-22
282931	MW 8	water	2011-11-21	12:50	2011-11-22
282932	MW 11	water	2011-11-21	13:05	2011-11-22
282933	MW 5	water	2011-11-21	11:40	2011-11-22
282934	MW 10	water	2011-11-21	13:30	2011-11-22
282935	MW 3	water	2011-11-21	13:50	2011-11-22
282936	MW 7	water	2011-11-21	14:10	2011-11-22
282937	MW 2	water	2011-11-21	14:35	2011-11-22
282938	MW 1	water	2011-11-21	14:50	2011-11-22

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 34 Junction to Lea were received by TraceAnalysis, Inc. on 2011-11-22 and assigned to work order 11112201. Samples for work order 11112201 were received intact without headspace and at a temperature of 9.4 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	73607	2011-11-22 at 09:00	86700	2011-11-22 at 21:54
BTEX	S 8021B	73644	2011-11-23 at 11:15	86735	2011-11-23 at 13:10

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 11112201 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.

Samples were received on ice.

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: 282928 - MW 4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0940	mg/L	1	0.100	94	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0815	mg/L	1	0.100	82	67.5 - 140.8

Sample: 282929 - MW 9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0868	mg/L	1	0.100	87	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0720	mg/L	1	0.100	72	67.5 - 140.8

Sample: 282930 - MW 6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86735	Date Analyzed:	2011-11-23	Analyzed By:	AG
Prep Batch:	73644	Sample Preparation:	2011-11-23	Prepared By:	AG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0841	mg/L	1	0.100	84	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0743	mg/L	1	0.100	74	67.5 - 140.8

Sample: 282931 - MW 8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0863	mg/L	1	0.100	86	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0722	mg/L	1	0.100	72	67.5 - 140.8

Sample: 282932 - MW 11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0863	mg/L	1	0.100	86	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0722	mg/L	1	0.100	72	67.5 - 140.8

Sample: 282933 - MW 5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.252**	mg/L	1	0.00100
Toluene	U	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene			1	**0.0204**	mg/L	1	0.00100
Xylene	U	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0869	mg/L	1	0.100	87	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0918	mg/L	1	0.100	92	67.5 - 140.8

Sample: 282934 - MW 10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.252**	mg/L	1	0.00100
Toluene	U	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene			1	**0.0204**	mg/L	1	0.00100
Xylene	U	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0869	mg/L	1	0.100	87	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.0918	mg/L	1	0.100	92	67.5 - 140.8

Sample: 282935 - MW 3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.110**	mg/L	5	0.00100
Toluene	U	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene			1	**0.0381**	mg/L	5	0.00100
Xylene	U	U	1	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.444	mg/L	5	0.500	89	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.398	mg/L	5	0.500	80	67.5 - 140.8

Sample: 282936 - MW 7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.512**	mg/L	5	0.00100
Toluene	U	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene			1	**0.187**	mg/L	5	0.00100
Xylene			1	**0.160**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.417	mg/L	5	0.500	83	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.395	mg/L	5	0.500	79	67.5 - 140.8

Sample: 282937 - MW 2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

Parameter		Flag	Cert	RL Result	Units	Dilution	RL
Benzene			1	**0.261**	mg/L	5	0.00100
Toluene	U	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene			1	**0.0904**	mg/L	5	0.00100
Xylene			1	**0.0415**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.406	mg/L	5	0.500	81	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.392	mg/L	5	0.500	78	67.5 - 140.8

Sample: 282938 - MW 1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	86700	Date Analyzed:	2011-11-22	Analyzed By:	AG
Prep Batch:	73607	Sample Preparation:	2011-11-22	Prepared By:	AG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	**0.282**	mg/L	5	0.00100
Toluene u	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene		1	**0.171**	mg/L	5	0.00100
Xylene		1	**0.0934**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.424	mg/L	5	0.500	85	79.1 - 127.2
4-Bromofluorobenzene (4-BFB)			0.415	mg/L	5	0.500	83	67.5 - 140.8

Method Blanks

Method Blank (1) QC Batch: 86700

QC Batch: 86700 | Date Analyzed: 2011-11-22 | Analyzed By: AG
Prep Batch: 73607 | QC Preparation: 2011-11-22 | Prepared By: AG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000400	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000300	mg/L	0.001
Xylene		1	<0.000333	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0883	mg/L	1	0.100	88	61.1 - 118.4
4-Bromofluorobenzene (4-BFB)			0.0727	mg/L	1	0.100	73	45.9 - 126.4

Method Blank (1) QC Batch: 86735

QC Batch: 86735 | Date Analyzed: 2011-11-23 | Analyzed By: AG
Prep Batch: 73644 | QC Preparation: 2011-11-23 | Prepared By: AG

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000400	mg/L	0.001
Toluene		1	<0.000300	mg/L	0.001
Ethylbenzene		1	<0.000300	mg/L	0.001
Xylene		1	<0.000333	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0901	mg/L	1	0.100	90	61.1 - 118.4
4-Bromofluorobenzene (4-BFB)			0.0748	mg/L	1	0.100	75	45.9 - 126.4

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 86700 | Date Analyzed: 2011-11-22 | Analyzed By: AG
Prep Batch: 73607 | QC Preparation: 2011-11-22 | Prepared By: AG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.100	mg/L	1	0.100	<0.000400	100	76.8 - 120.3
Toluene		1	0.0946	mg/L	1	0.100	<0.000300	95	80.9 - 122.2
Ethylbenzene		1	0.0892	mg/L	1	0.100	<0.000300	89	72.7 - 120.2
Xylene		1	0.267	mg/L	1	0.300	<0.000333	89	72.1 - 121.5

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	0.111	mg/L	1	0.100	<0.000400	111	76.8 - 120.3	10	20
Toluene		1	0.105	mg/L	1	0.100	<0.000300	105	80.9 - 122.2	10	20
Ethylbenzene		1	0.0984	mg/L	1	0.100	<0.000300	98	72.7 - 120.2	10	20
Xylene		1	0.293	mg/L	1	0.300	<0.000333	98	72.1 - 121.5	9	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0851	0.0900	mg/L	1	0.100	85	90	61.9 - 119.2
4-Bromofluorobenzene (4-BFB)	0.0846	0.0901	mg/L	1	0.100	85	90	56.4 - 127.9

Laboratory Control Spike (LCS-1)

QC Batch: 86735 | Date Analyzed: 2011-11-23 | Analyzed By: AG
Prep Batch: 73644 | QC Preparation: 2011-11-23 | Prepared By: AG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.103	mg/L	1	0.100	<0.000400	103	76.8 - 120.3
Toluene		1	0.0966	mg/L	1	0.100	<0.000300	97	80.9 - 122.2
Ethylbenzene		1	0.0914	mg/L	1	0.100	<0.000300	91	72.7 - 120.2
Xylene		1	0.272	mg/L	1	0.300	<0.000333	91	72.1 - 121.5

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	0.107	mg/L	1	0.100	<0.000400	107	76.8 - 120.3	4	20
Toluene		1	0.0999	mg/L	1	0.100	<0.000300	100	80.9 - 122.2	3	20
Ethylbenzene		1	0.0950	mg/L	1	0.100	<0.000300	95	72.7 - 120.2	4	20
Xylene		1	0.285	mg/L	1	0.300	<0.000333	95	72.1 - 121.5	5	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)	0.0908	0.0929	mg/L	1	0.100	91	93	61.9 - 119.2
4-Bromofluorobenzene (4-BFB)	0.0873	0.0892	mg/L	1	0.100	87	89	56.4 - 127.9

Matrix Spike (MS-1) Spiked Sample: 283011

QC Batch: 86735 | Date Analyzed: 2011-11-23 | Analyzed By: AG
Prep Batch: 73644 | QC Preparation: 2011-11-23 | Prepared By: AG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	4.56	mg/L	10	1.00	3.5887	97	66.9 - 128.2
Toluene		1	2.47	mg/L	10	1.00	1.4592	101	81.6 - 122.9
Ethylbenzene		1	1.21	mg/L	10	1.00	0.3168	89	62.7 - 117.9
Xylene		1	3.82	mg/L	10	3.00	1.1003	91	62.9 - 118.2

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	4.87	mg/L	10	1.00	3.5887	128	66.9 - 128.2	7	20
Toluene		1	2.66	mg/L	10	1.00	1.4592	120	81.6 - 122.9	7	20
Ethylbenzene		1	1.33	mg/L	10	1.00	0.3168	101	62.7 - 117.9	9	20
Xylene		1	4.15	mg/L	10	3.00	1.1003	102	62.9 - 118.2	8	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)	0.956	1.00	mg/L	10	1	96	100	58.6 - 119.7
4-Bromofluorobenzene (4-BFB)	0.932	1.03	mg/L	10	1	93	103	52.2 - 135.8

Calibration Standards

Standard (CCV-1)

QC Batch: 86700 | Date Analyzed: 2011-11-22 | Analyzed By: AG

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	2011-11-22
Toluene		1	mg/L	0.100	0.0989	99	80 - 120	2011-11-22
Ethylbenzene		1	mg/L	0.100	0.0942	94	80 - 120	2011-11-22
Xylene		1	mg/L	0.300	0.282	94	80 - 120	2011-11-22

Standard (CCV-2)

QC Batch: 86700 | Date Analyzed: 2011-11-22 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2011-11-22
Toluene		1	mg/L	0.100	0.0940	94	80 - 120	2011-11-22
Ethylbenzene		1	mg/L	0.100	0.0900	90	80 - 120	2011-11-22
Xylene		1	mg/L	0.300	0.260	87	80 - 120	2011-11-22

Standard (CCV-3)

QC Batch: 86700 | Date Analyzed: 2011-11-22 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.100	100	80 - 120	2011-11-22
Toluene		1	mg/L	0.100	0.0939	94	80 - 120	2011-11-22
Ethylbenzene		1	mg/L	0.100	0.0878	88	80 - 120	2011-11-22
Xylene		1	mg/L	0.300	0.262	87	80 - 120	2011-11-22

Standard (CCV-1)

QC Batch: 86735 | Date Analyzed: 2011-11-23 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.109	109	80 - 120	2011-11-23
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2011-11-23
Ethylbenzene		1	mg/L	0.100	0.0954	95	80 - 120	2011-11-23
Xylene		1	mg/L	0.300	0.286	95	80 - 120	2011-11-23

Standard (CCV-2)

QC Batch: 86735 | Date Analyzed: 2011-11-23 | Analyzed By: AG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.104	104	80 - 120	2011-11-23
Toluene		1	mg/L	0.100	0.0968	97	80 - 120	2011-11-23
Ethylbenzene		1	mg/L	0.100	0.0893	89	80 - 120	2011-11-23
Xylene		1	mg/L	0.300	0.269	90	80 - 120	2011-11-23

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	T104704392-10-TX	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.
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 # 11112201

Page 1 of 1

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El Paso, Texas 79922
Tel (915) 585-3443
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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
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Company Name: NOVA Safety & Environmental
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce, Midland, TX, 79703
Fax #:
Contact Person: Ron Ramsaville
E-mail:
Invoice to: (If different from above)
Project #:
Project Name: ~~TNM-SPS-H~~ 34 JUNCTION TO LEA
Project Location (including state): Lea County, NM
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 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
282928	MW4	3	VOA	X				X				X		11/21	1120		X																							
929	MW9														1200																										
930	MW6														1230																										
931	MW8														1250																										
932	MW11														1305																										
933	MW5														1140																										
934	MW10														1330																										
935	MW3														1350																										
936	MW7														1410																										
937	MW2														1435																										
938	MW1														1450																										

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
Brythe Lee	NOVA	11/22	0800		TA	11/22	1805	INST 9.4 °C, OBS °C, COR °C
								INST °C, OBS °C, COR °C
								INST °C, OBS °C, COR °C

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

REMARKS:
All tests Midland

- 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.

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TRACEANALYSIS, INC.

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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Ron Rounsaville
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: January 5, 2012

Work Order: 11121925

Project Location: New Mexico
Project Name: 34 Junction to Lea
Project Number: 2002-10286

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
284816	MW-1	water	2011-12-15	11:15	2011-12-16
284817	MW-3	water	2011-12-15	10:55	2011-12-16
284818	MW-7	water	2011-12-15	11:30	2011-12-16

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

Michael Abel

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

Report Contents

Case Narrative

Samples for project 34 Junction to Lea were received by TraceAnalysis, Inc. on 2011-12-16 and assigned to work order 11121925. Samples for work order 11121925 were received intact at a temperature of 11.3 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
PAH	S 8270D	74399	2012-12-22 at 15:00	87624	2012-01-05 at 11:26

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 11121925 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: 284816 - MW-1

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	87624	Date Analyzed:	2012-01-05	Analyzed By:	MN
Prep Batch:	74399	Sample Preparation:	2012-12-22	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.00892**	mg/L	0.922	0.000200
2-Methylnaphthalene		1	**0.00719**	mg/L	0.922	0.000200
1-Methylnaphthalene			**0.0180**	mg/L	0.922	0.000200
Acenaphthylene	U	1	<0.000184	mg/L	0.922	0.000200
Acenaphthene	U	1	<0.000184	mg/L	0.922	0.000200
Dibenzofuran		1	**0.00141**	mg/L	0.922	0.000200
Fluorene		1	**0.00146**	mg/L	0.922	0.000200
Anthracene	U	1	<0.000184	mg/L	0.922	0.000200
Phenanthrene			**0.00143**	mg/L	0.922	0.000200
Fluoranthene	U		<0.000184	mg/L	0.922	0.000200
Pyrene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene	U		<0.000184	mg/L	0.922	0.000200
Chrysene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene	U		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene	Qr,U	1	<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene	U	1	<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene	U	1	<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene	U		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0219	mg/L	0.922	0.0800	27	10 - 117
2-Fluorobiphenyl			0.0269	mg/L	0.922	0.0800	34	10 - 99
Terphenyl-d14			0.0372	mg/L	0.922	0.0800	46	22.6 - 115

Sample: 284817 - MW-3

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	87624	Date Analyzed:	2012-01-05	Analyzed By:	MN
Prep Batch:	74399	Sample Preparation:	2012-12-22	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.000430**	mg/L	0.926	0.000200
2-Methylnaphthalene	U	1	<0.000185	mg/L	0.926	0.000200
1-Methylnaphthalene			**0.0167**	mg/L	0.926	0.000200
Acenaphthylene	U	1	<0.000185	mg/L	0.926	0.000200
Acenaphthene	U	1	<0.000185	mg/L	0.926	0.000200
Dibenzofuran		1	**0.00180**	mg/L	0.926	0.000200
Fluorene		1	**0.00180**	mg/L	0.926	0.000200
Anthracene	U	1	<0.000185	mg/L	0.926	0.000200
Phenanthrene			**0.00225**	mg/L	0.926	0.000200
Fluoranthene	U		<0.000185	mg/L	0.926	0.000200
Pyrene	U	1	<0.000185	mg/L	0.926	0.000200
Benzo(a)anthracene	U		<0.000185	mg/L	0.926	0.000200
Chrysene	U	1	<0.000185	mg/L	0.926	0.000200
Benzo(b)fluoranthene	U		<0.000185	mg/L	0.926	0.000200
Benzo(k)fluoranthene	Qr,U	1	<0.000185	mg/L	0.926	0.000200
Benzo(a)pyrene	U	1	<0.000185	mg/L	0.926	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.000185	mg/L	0.926	0.000200
Dibenzo(a,h)anthracene	U	1	<0.000185	mg/L	0.926	0.000200
Benzo(g,h,i)perylene	U		<0.000185	mg/L	0.926	0.000200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0221	mg/L	0.926	0.0800	28	10 - 117
2-Fluorobiphenyl			0.0292	mg/L	0.926	0.0800	36	10 - 99
Terphenyl-d14			0.0401	mg/L	0.926	0.0800	50	22.6 - 115

Sample: 284818 - MW-7

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	87624	Date Analyzed:	2012-01-05	Analyzed By:	MN
Prep Batch:	74399	Sample Preparation:	2012-12-22	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.000956**	mg/L	0.926	0.000200

continued ...

sample 284818 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
2-Methylnaphthalene		1	**0.00127**	mg/L	0.926	0.000200
1-Methylnaphthalene			**0.00527**	mg/L	0.926	0.000200
Acenaphthylene	U	1	<0.000185	mg/L	0.926	0.000200
Acenaphthene	U	1	<0.000185	mg/L	0.926	0.000200
Dibenzofuran		1	**0.000470**	mg/L	0.926	0.000200
Fluorene		1	**0.000453**	mg/L	0.926	0.000200
Anthracene	U	1	<0.000185	mg/L	0.926	0.000200
Phenanthrene			**0.000372**	mg/L	0.926	0.000200
Fluoranthene	U		<0.000185	mg/L	0.926	0.000200
Pyrene	U	1	<0.000185	mg/L	0.926	0.000200
Benzo(a)anthracene	U		<0.000185	mg/L	0.926	0.000200
Chrysene	U	1	<0.000185	mg/L	0.926	0.000200
Benzo(b)fluoranthene	U		<0.000185	mg/L	0.926	0.000200
Benzo(k)fluoranthene	Qr,U	1	<0.000185	mg/L	0.926	0.000200
Benzo(a)pyrene	U	1	<0.000185	mg/L	0.926	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.000185	mg/L	0.926	0.000200
Dibenzo(a,h)anthracene	U	1	<0.000185	mg/L	0.926	0.000200
Benzo(g,h,i)perylene	U		<0.000185	mg/L	0.926	0.000200

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	Qsr	Qsr		0.000700	mg/L	0.926	0.0800	1	10 - 117
2-Fluorobiphenyl				0.0208	mg/L	0.926	0.0800	26	10 - 99
Terphenyl-d14				0.0411	mg/L	0.926	0.0800	51	22.6 - 115

Method Blanks

Method Blank (1) QC Batch: 87624

QC Batch: 87624 | Date Analyzed: 2012-01-05 | Analyzed By: MN
Prep Batch: 74399 | QC Preparation: 2012-12-22 | Prepared By: MN

Parameter	Flag	Cert	MDL Result	Units	RL
Naphthalene		1	<0.0000904	mg/L	0.0002
2-Methylnaphthalene		1	<0.000184	mg/L	0.0002
1-Methylnaphthalene			<0.000120	mg/L	0.0002
Acenaphthylene		1	<0.000101	mg/L	0.0002
Acenaphthene		1	<0.000122	mg/L	0.0002
Dibenzofuran		1	<0.000119	mg/L	0.0002
Fluorene		1	<0.000198	mg/L	0.0002
Anthracene		1	<0.000190	mg/L	0.0002
Phenanthrene			<0.000190	mg/L	0.0002
Fluoranthene			<0.000122	mg/L	0.0002
Pyrene		1	<0.000142	mg/L	0.0002
Benzo(a)anthracene			<0.000138	mg/L	0.0002
Chrysene		1	<0.000155	mg/L	0.0002
Benzo(b)fluoranthene			<0.000179	mg/L	0.0002
Benzo(k)fluoranthene		1	<0.000185	mg/L	0.0002
Benzo(a)pyrene		1	<0.000169	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		1	<0.000139	mg/L	0.0002
Dibenzo(a,h)anthracene		1	<0.000107	mg/L	0.0002
Benzo(g,h,i)perylene			<0.000143	mg/L	0.0002

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0369	mg/L	1	0.0800	46	10 - 117
2-Fluorobiphenyl			0.0323	mg/L	1	0.0800	40	10 - 99
Terphenyl-d14			0.0357	mg/L	1	0.0800	45	22.6 - 115

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 87624 | Date Analyzed: 2012-01-05 | Analyzed By: MN
Prep Batch: 74399 | QC Preparation: 2012-12-22 | Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene		1	0.0281	mg/L	1	0.0800	<0.0000904	35	10 - 89.9
2-Methylnaphthalene		1	0.0325	mg/L	1	0.0800	<0.000184	41	13.8 - 98.4
1-Methylnaphthalene			0.0312	mg/L	1	0.0800	<0.000120	39	13.1 - 103
Acenaphthylene		1	0.0370	mg/L	1	0.0800	<0.000101	46	20 - 104
Acenaphthene		1	0.0357	mg/L	1	0.0800	<0.000122	45	21.6 - 94.6
Dibenzofuran		1	0.0392	mg/L	1	0.0800	<0.000119	49	22.9 - 74.9
Fluorene		1	0.0396	mg/L	1	0.0800	<0.000198	50	30.8 - 109
Anthracene		1	0.0426	mg/L	1	0.0800	<0.000190	53	37.6 - 96.4
Phenanthrene			0.0430	mg/L	1	0.0800	<0.000190	54	42.4 - 99.8
Fluoranthene			0.0469	mg/L	1	0.0800	<0.000122	59	48 - 118
Pyrene		1	0.0457	mg/L	1	0.0800	<0.000142	57	45.3 - 109
Benzo(a)anthracene			0.0548	mg/L	1	0.0800	<0.000138	68	48 - 113
Chrysene		1	0.0619	mg/L	1	0.0800	<0.000155	77	35.2 - 175
Benzo(b)fluoranthene			0.0384	mg/L	1	0.0800	<0.000179	48	16.6 - 106
Benzo(k)fluoranthene		1	0.0367	mg/L	1	0.0800	<0.000185	46	36.8 - 99.4
Benzo(a)pyrene		1	0.0384	mg/L	1	0.0800	<0.000169	48	32.3 - 99.7
Indeno(1,2,3-cd)pyrene		1	0.0420	mg/L	1	0.0800	<0.000139	52	34.1 - 106
Dibenzo(a,h)anthracene		1	0.0559	mg/L	1	0.0800	<0.000107	70	47.1 - 103
Benzo(g,h,i)perylene			0.0407	mg/L	1	0.0800	<0.000143	51	21.9 - 112

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
Naphthalene		1	0.0317	mg/L	1	0.0800	<0.0000904	40	10 - 89.9	12	20
2-Methylnaphthalene		1	0.0374	mg/L	1	0.0800	<0.000184	47	13.8 - 98.4	14	20
1-Methylnaphthalene			0.0358	mg/L	1	0.0800	<0.000120	45	13.1 - 103	14	20
Acenaphthylene		1	0.0410	mg/L	1	0.0800	<0.000101	51	20 - 104	10	20
Acenaphthene		1	0.0398	mg/L	1	0.0800	<0.000122	50	21.6 - 94.6	11	20
Dibenzofuran		1	0.0434	mg/L	1	0.0800	<0.000119	54	22.9 - 74.9	10	20
Fluorene		1	0.0426	mg/L	1	0.0800	<0.000198	53	30.8 - 109	7	20
Anthracene		1	0.0475	mg/L	1	0.0800	<0.000190	59	37.6 - 96.4	11	20
Phenanthrene			0.0484	mg/L	1	0.0800	<0.000190	60	42.4 - 99.8	12	20
Fluoranthene			0.0516	mg/L	1	0.0800	<0.000122	64	48 - 118	10	20
Pyrene		1	0.0488	mg/L	1	0.0800	<0.000142	61	45.3 - 109	7	20

continued ...

control spikes continued ...

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzo(a)anthracene			0.0608	mg/L	1	0.0800	<0.000138	76	48 - 113	10	20
Chrysene		1	0.0687	mg/L	1	0.0800	<0.000155	86	35.2 - 175	10	20
Benzo(b)fluoranthene			0.0390	mg/L	1	0.0800	<0.000179	49	16.6 - 106	2	20
Benzo(k)fluoranthene	Qr	Qr	1 0.0458	mg/L	1	0.0800	<0.000185	57	36.8 - 99.4	22	20
Benzo(a)pyrene			1 0.0434	mg/L	1	0.0800	<0.000169	54	32.3 - 99.7	12	20
Indeno(1,2,3-cd)pyrene			1 0.0470	mg/L	1	0.0800	<0.000139	59	34.1 - 106	11	20
Dibenzo(a,h)anthracene			1 0.0627	mg/L	1	0.0800	<0.000107	78	47.1 - 103	12	20
Benzo(g,h,i)perylene			0.0454	mg/L	1	0.0800	<0.000143	57	21.9 - 112	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
Nitrobenzene-d5	0.0368	0.0403	mg/L	1	0.0800	46	50	10 - 117
2-Fluorobiphenyl	0.0358	0.0402	mg/L	1	0.0800	45	50	10 - 99
Terphenyl-d14	0.0525	0.0562	mg/L	1	0.0800	66	70	22.6 - 115

Calibration Standards

Standard (CCV-1)

QC Batch: 87624 | Date Analyzed: 2012-01-05 | Analyzed By: MN

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		1	mg/L	60.0	55.0	92	80 - 120	2012-01-05
2-Methylnaphthalene		1	mg/L	60.0	56.5	94	80 - 120	2012-01-05
1-Methylnaphthalene			mg/L	60.0	57.0	95	80 - 120	2012-01-05
Acenaphthylene		1	mg/L	60.0	54.7	91	80 - 120	2012-01-05
Acenaphthene		1	mg/L	60.0	55.9	93	80 - 120	2012-01-05
Dibenzofuran		1	mg/L	60.0	54.5	91	80 - 120	2012-01-05
Fluorene		1	mg/L	60.0	54.0	90	80 - 120	2012-01-05
Anthracene		1	mg/L	60.0	53.2	89	80 - 120	2012-01-05
Phenanthrene			mg/L	60.0	54.0	90	80 - 120	2012-01-05
Fluoranthene			mg/L	60.0	57.8	96	80 - 120	2012-01-05
Pyrene		1	mg/L	60.0	52.7	88	80 - 120	2012-01-05
Benzo(a)anthracene			mg/L	60.0	58.6	98	80 - 120	2012-01-05
Chrysene		1	mg/L	60.0	55.6	93	80 - 120	2012-01-05
Benzo(b)fluoranthene			mg/L	60.0	49.7	83	80 - 120	2012-01-05
Benzo(k)fluoranthene		1	mg/L	60.0	55.0	92	80 - 120	2012-01-05
Benzo(a)pyrene		1	mg/L	60.0	53.4	89	80 - 120	2012-01-05
Indeno(1,2,3-cd)pyrene		1	mg/L	60.0	53.4	89	80 - 120	2012-01-05
Dibenzo(a,h)anthracene		1	mg/L	60.0	53.5	89	80 - 120	2012-01-05
Benzo(g,h,i)perylene			mg/L	60.0	53.4	89	80 - 120	2012-01-05

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			55.3	mg/L	1	60.0	92	-
2-Fluorobiphenyl			55.1	mg/L	1	60.0	92	-
Terphenyl-d14			53.5	mg/L	1	60.0	89	-

Standard (CCV-2)

QC Batch: 87624 | Date Analyzed: 2012-01-05 | Analyzed By: MN

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		1	mg/L	60.0	55.0	92	80 - 120	2012-01-05

continued ...

standard continued ...

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
2-Methylnaphthalene		1	mg/L	60.0	55.2	92	80 - 120	2012-01-05
1-Methylnaphthalene			mg/L	60.0	56.0	93	80 - 120	2012-01-05
Acenaphthylene		1	mg/L	60.0	55.0	92	80 - 120	2012-01-05
Acenaphthene		1	mg/L	60.0	55.4	92	80 - 120	2012-01-05
Dibenzofuran		1	mg/L	60.0	53.6	89	80 - 120	2012-01-05
Fluorene		1	mg/L	60.0	51.1	85	80 - 120	2012-01-05
Anthracene		1	mg/L	60.0	53.2	89	80 - 120	2012-01-05
Phenanthrene			mg/L	60.0	53.7	90	80 - 120	2012-01-05
Fluoranthene			mg/L	60.0	60.8	101	80 - 120	2012-01-05
Pyrene		1	mg/L	60.0	51.8	86	80 - 120	2012-01-05
Benzo(a)anthracene			mg/L	60.0	58.8	98	80 - 120	2012-01-05
Chrysene		1	mg/L	60.0	55.0	92	80 - 120	2012-01-05
Benzo(b)fluoranthene			mg/L	60.0	49.6	83	80 - 120	2012-01-05
Benzo(k)fluoranthene		1	mg/L	60.0	51.8	86	80 - 120	2012-01-05
Benzo(a)pyrene		1	mg/L	60.0	52.8	88	80 - 120	2012-01-05
Indeno(1,2,3-cd)pyrene		1	mg/L	60.0	52.9	88	80 - 120	2012-01-05
Dibenzo(a,h)anthracene		1	mg/L	60.0	53.1	88	80 - 120	2012-01-05
Benzo(g,h,i)perylene			mg/L	60.0	53.0	88	80 - 120	2012-01-05

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			55.7	mg/L	1	60.0	93	-
2-Fluorobiphenyl			57.9	mg/L	1	60.0	96	-
Terphenyl-d14			52.4	mg/L	1	60.0	87	-

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	T104704219-11-5	Lubbock

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.
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 # 1112925

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 #:**

Address: (Street, City, Zip) — **Fax #:**

Contact Person: Ron Rounsaville — **E-mail:**

Invoice to: (If different from above)

Project #: 2002-10286 — **Project Name:** 34 J to LEA

Project Location (including state): — **Sampler Signature:** David Fletcher

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
284816	mw1	1	1L AMBER	X									X	12/17/11	1115
817	mw3	↓	↓	↓									↓	↓	1055
818	mw7	↓	↓	↓									↓	↓	1130

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											
													↓											
													↓											

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
David Fletcher	NOVA	12/16/11	5:42		TA	12/16/11	8:42	INST 1.3 °C
								OBS °C
								COR °C
	TA	12/16/11	10:05					INST °C
								OBS °C
								COR °C
				Michael Abel	TA	12/17/11	10:00	INST IR
								OBS 3.4 °C
								COR 3.5 °C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS:

Lubbock

Dry Weight Basis Required

TRRP Report Required

Check If Special Reporting Limits Are Needed

Sat Delivery

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

Carrier # Carrizo 2S Z8173087

ORIGINAL COPY

Historical Data Tables

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	02/11/03	3,508.17	-	20.13	0.00	3,488.04
MW - 1	*02/27/03*	3,508.17	-	19.87	0.00	3,488.30
MW - 1	*05/05/04*	3,508.17	-	19.66	0.00	3,488.51
MW - 1	05/25/04	3,508.17	-	19.90	0.00	3,488.27
MW - 1	06/03/04	3,508.17	-	19.86	0.00	3,488.31
MW - 1	06/15/04	3,508.17	-	19.89	0.00	3,488.28
MW - 1	07/08/04	3,508.17	-	19.83	0.00	3,488.34
MW - 1	*07/26/04*	3,508.17	-	19.93	0.00	3,488.24
MW - 1	09/10/04	3,508.17	-	21.16	0.00	3,487.01
MW - 1	09/21/04	3,508.17	-	20.19	0.00	3,487.98
MW - 1	*10/04/04*	3,508.17	-	19.46	0.00	3,488.71
MW - 1	10/15/04	3,508.17	-	19.44	0.00	3,488.73
MW - 1	11/09/04	3,508.17	-	19.61	0.00	3,488.56
MW - 1	11/16/04	3,508.17	-	19.44	0.00	3,488.73
MW - 1	12/07/04	3,508.17	-	19.37	0.00	3,488.80
MW - 1	*12/17/04*	3,508.17	-	19.35	0.00	3,488.82
MW - 1	01/10/05	3,508.17	-	19.21	0.00	3,488.96
MW - 1	02/21/05	3,508.17	-	19.06	0.00	3,489.11
MW - 1	*03/29/05*	3,508.17	-	18.87	0.00	3,489.30
MW - 1	04/22/05	3,508.17	-	18.85	0.00	3,489.32
MW - 1	05/06/05	3,508.17	-	18.74	0.00	3,489.43
MW - 1	*05/11/05*	3,508.17	-	18.75	0.00	3,489.42
MW - 1	07/19/05	3,508.17	-	18.73	0.00	3,489.44
MW - 1	*08/16/05*	3,508.17	-	18.63	0.00	3,489.54
MW - 1	10/05/05	3,508.17	-	17.18	0.00	3,490.99
MW - 1	*11/15/05*	3,508.17	-	18.91	0.00	3,489.26
MW - 1	*02/15/06*	3,508.17	-	18.53	0.00	3,489.64
MW - 1	03/13/06	3,508.17	-	18.56	0.00	3,489.61
MW - 1	03/22/06	3,508.17	NOT SAMPLED			
MW - 1	*05/23/06*	3,508.17	-	18.58	0.00	3,489.59
MW - 1	07/20/06	3,508.17	-	18.89	0.00	3,489.28
MW - 1	*08/09/06*	3,508.17	-	18.76	0.00	3,489.41
MW - 1	10/18/06	3,508.17	-	18.34	0.00	3,489.83
MW - 1	*11/27/06*	3,508.17	-	18.33	0.00	3,489.84
MW - 1	12/11/06	3,508.17	-	18.35	0.00	3,489.82
MW - 1	01/04/07	3,508.17	-	18.57	0.00	3,489.60
MW - 1	02/16/07	3,508.17	-	18.81	0.00	3,489.36
MW - 1	*03/20/07*	3,508.17	-	18.14	0.00	3,490.03
MW - 1	*06/04/07*	3,508.17	-	18.02	0.00	3,490.15
MW - 1	08/22/07	3,508.17	-	18.66	0.00	3,489.51
MW - 1	*11/29/07*	3,508.17	-	18.38	0.00	3,489.79
MW - 1	02/26/08	3,508.17	-	18.30	0.00	3,489.87
MW - 1	05/22/08	3,508.17	-	18.28	0.00	3,489.89
MW - 1	*08/28/08*	3,508.17	-	18.93	0.00	3,489.24
MW - 1	*11/20/08*	3,508.17	-	18.55	0.00	3,489.62
MW - 1	*02/16/09*	3,508.17	-	18.42	0.00	3,489.75
MW - 1	*05/29/09*	3,508.17	-	18.73	0.00	3,489.44
MW - 1	*08/06/09*	3,508.17	-	18.82	0.00	3,489.35
MW - 1	*11/10/09*	3,508.17	-	19.19	0.00	3,488.98
MW - 1	*11/13/09*	3,508.17	-	19.20	0.00	3,488.97

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	01/05/10	3,508.17	-	19.10	0.00	3,489.07
MW - 1	*02/04/10*	3,508.17	-	19.02	0.00	3,489.15
MW - 1	*05/06/10*	3,508.17	-	19.03	0.00	3,489.14
MW - 1	*08/05/10*	3,508.17	-	18.18	0.00	3,489.99
MW - 1	*11/04/10*	3,508.17	-	18.20	0.00	3,489.97
MW - 1	*02/09/11*	3,508.17	-	18.18	0.00	3,489.99
MW - 1	*05/03/11*	3,508.17	-	18.18	0.00	3,489.99
MW - 1	05/19/11	3,508.17	-	18.61	0.00	3,489.56
MW - 1	05/25/11	3,508.17	-	18.69	0.00	3,489.48
MW - 1	06/06/11	3,508.17	-	18.76	0.00	3,489.41
MW - 1	06/13/11	3,508.17	-	18.68	0.00	3,489.49
MW - 1	06/27/11	3,508.17	-	18.69	0.00	3,489.48
MW - 1	07/07/11	3,508.17	-	18.76	0.00	3,489.41
MW - 1	07/14/11	3,508.17	-	18.81	0.00	3,489.36
MW - 1	07/25/11	3,508.17		18.68	0.00	3,489.49
MW - 1	*08/02/11*	3,508.17		18.16	0.00	3,490.01
MW - 1	08/03/11	3,508.17		19.12	0.00	3,489.05
MW - 1	08/18/11	3,508.17		19.30	0.00	3,488.87
MW - 1	08/24/11	3,508.17		19.38	0.00	3,488.79
MW - 1	08/29/11	3,508.17		19.20	0.00	3,488.97
MW - 1	09/07/11	3,508.17	odor	19.30	0.00	3,488.87
MW - 1	09/14/11	3,508.17	odor	19.30	0.00	3,488.87
MW - 1	10/26/11	3,508.17		19.30	0.00	3,488.87
MW - 1	*11/21/11*	3,508.17		19.24	0.00	3,488.93
MW - 2	02/11/03	3,501.45	-	17.25	0.00	3,484.20
MW - 2	*02/27/03*	3,501.45	-	19.75	0.00	3,481.70
MW - 2	*05/05/04*	3,501.45	-	12.56	0.00	3,488.89
MW - 2	05/25/04	3,501.45	-	12.95	0.00	3,488.50
MW - 2	06/03/04	3,501.45	-	12.80	0.00	3,488.65
MW - 2	06/15/04	3,501.45	-	12.82	0.00	3,488.63
MW - 2	07/08/04	3,501.45	-	12.70	0.00	3,488.75
MW - 2	*07/26/04*	3,501.45	-	12.78	0.00	3,488.67
MW - 2	09/10/04	3,501.45	-	13.05	0.00	3,488.40
MW - 2	09/21/04	3,501.45	-	13.27	0.00	3,488.18
MW - 2	*10/04/04*	3,501.45	-	12.11	0.00	3,489.34
MW - 2	10/15/04	3,501.45	-	12.22	0.00	3,489.23
MW - 2	11/09/04	3,501.45	-	12.71	0.00	3,488.74
MW - 2	11/16/04	3,501.45	-	12.19	0.00	3,489.26
MW - 2	12/07/04	3,501.45	-	12.27	0.00	3,489.18
MW - 2	*12/17/04*	3,501.45	-	12.32	0.00	3,489.13
MW - 2	01/07/05	3,501.45	-	12.13	0.00	3,489.32
MW - 2	02/21/05	3,501.45	-	11.99	0.00	3,489.46
MW - 2	*03/29/05*	3,501.45	-	11.68	0.00	3,489.77
MW - 2	04/22/05	3,501.45	-	11.75	0.00	3,489.70
MW - 2	05/06/05	3,501.45	-	11.64	0.00	3,489.81
MW - 2	*05/11/05*	3,501.45	-	11.65	0.00	3,489.80
MW - 2	07/19/05	3,501.45	-	11.62	0.00	3,489.83
MW - 2	*08/16/05*	3,501.45	-	11.37	0.00	3,490.08
MW - 2	10/05/05	3,501.45	-	11.71	0.00	3,489.74

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	*11/15/05*	3,501.45	-	11.55	0.00	3,489.90
MW - 2	*02/15/06*	3,501.45	-	11.45	0.00	3,490.00
MW - 2	03/13/06	3,501.45	-	11.57	0.00	3,489.88
MW - 2	03/22/06	3,501.45	NOT SAMPLED			
MW - 2	*05/23/06*	3,501.45	-	11.44	0.00	3,490.01
MW - 2	07/20/06	3,501.45	-	11.77	0.00	3,489.68
MW - 2	*08/09/06*	3,501.45	-	11.65	0.00	3,489.80
MW - 2	10/18/06	3,501.45	-	11.25	0.00	3,490.20
MW - 2	*11/27/06*	3,501.45	-	11.31	0.00	3,490.14
MW - 2	12/11/06	3,501.45	-	11.36	0.00	3,490.09
MW - 2	01/04/07	3,501.45	-	11.29	0.00	3,490.16
MW - 2	02/16/07	3,501.45	-	11.11	0.00	3,490.34
MW - 2	*03/20/07*	3,501.45	-	11.04	0.00	3,490.41
MW - 2	*06/04/07*	3,501.45	-	10.92	0.00	3,490.53
MW - 2	08/22/07	3,501.45	-	11.57	0.00	3,489.88
MW - 2	*11/29/07*	3,501.45	-	11.30	0.00	3,490.15
MW - 2	*02/26/08*	3,501.45	-	11.17	0.00	3,490.28
MW - 2	*05/22/08*	3,501.45	-	11.18	0.00	3,490.27
MW - 2	*08/28/08*	3,501.45	-	12.93	0.00	3,488.52
MW - 2	*11/20/08*	3,501.45	-	11.46	0.00	3,489.99
MW - 2	*02/16/09*	3,501.45	-	11.31	0.00	3,490.14
MW - 2	*05/29/09*	3,501.45	-	19.72	0.00	3,481.73
MW - 2	06/11/09	3,501.45	-	19.83	0.00	3,481.62
MW - 2	06/18/09	3,501.45	-	19.89	0.00	3,481.56
MW - 2	06/25/09	3,501.45	-	19.49	0.00	3,481.96

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	07/02/09	3,501.45	-	20.19	0.00	3,481.26
MW - 2	07/09/09	3,501.45	-	19.85	0.00	3,481.60
MW - 2	07/13/09	3,501.45	-	19.86	0.00	3,481.59
MW - 2	07/24/09	3,501.45	-	20.18	0.00	3,481.27
MW - 2	07/29/09	3,501.45	-	20.19	0.00	3,481.26
MW - 2	07/31/09	3,501.45	-	20.20	0.00	3,481.25
MW - 2	*08/06/09*	3,501.45	-	20.22	0.00	3,481.23
MW - 2	08/13/09	3,501.45	-	20.22	0.00	3,481.23
MW - 2	08/21/09	3,501.45	-	20.23	0.00	3,481.22
MW - 2	09/18/09	3,501.45	-	20.39	0.00	3,481.06
MW - 2	09/29/09	3,501.45	-	19.87	0.00	3,481.58
MW - 2	10/06/09	3,501.45	-	19.86	0.00	3,481.59
MW - 2	10/20/09	3,501.45	-	20.47	0.00	3,480.98
MW - 2	10/27/09	3,501.45	-	20.46	0.00	3,480.99
MW - 2	10/27/09	3,501.45	-	20.62	0.00	3,480.83
MW - 2	11/13/09	3,501.45	-	20.50	0.00	3,480.95
MW - 2	12/16/09	3,501.45	-	20.46	0.00	3,480.99
MW - 2	12/21/09	3,501.45	-	20.68	0.00	3,480.77
MW - 2	01/05/10	3,501.45	-	20.56	0.00	3,480.89
MW - 2	01/22/10	3,501.45	-	20.34	0.00	3,481.11
MW - 2	*02/04/10*	3,501.45	-	19.39	0.00	3,482.06
MW - 2	03/01/10	3,501.45	-	20.34	0.00	3,481.11
MW - 2	03/10/10	3,501.45	-	20.36	0.00	3,481.09
MW - 2	03/12/10	3,501.45	-	20.33	0.00	3,481.12
MW - 2	03/15/10	3,501.45	-	20.36	0.00	3,481.09
MW - 2	03/17/10	3,501.45	sheen	20.15	0.00	3,481.30
MW - 2	03/22/10	3,501.45	-	20.35	0.00	3,481.10
MW - 2	03/31/10	3,501.45	-	20.34	0.00	3,481.11
MW - 2	04/05/10	3,501.45	-	20.36	0.00	3,481.09
MW - 2	04/14/10	3,501.45	-	20.36	0.00	3,481.09
MW - 2	04/16/10	3,501.45	-	20.38	0.00	3,481.07
MW - 2	04/19/10	3,501.45	-	20.10	0.00	3,481.35
MW - 2	04/26/10	3,501.45	-	20.12	0.00	3,481.33
MW - 2	*05/06/10*	3,501.45	-	20.00	0.00	3,481.45
MW - 2	05/14/10	3,501.45	-	20.55	0.00	3,480.90
MW - 2	05/21/10	3,501.45	-	20.38	0.00	3,481.07
MW - 2	05/24/10	3,501.45	-	20.36	0.00	3,481.09
MW - 2	06/08/10	3,501.45	-	20.03	0.00	3,481.42
MW - 2	06/16/10	3,501.45	-	20.15	0.00	3,481.30
MW - 2	06/29/10	3,501.45	sheen	20.24	0.00	3,481.21
MW - 2	07/08/10	3,501.45	sheen	19.83	0.00	3,481.62
MW - 2	07/13/10	3,501.45	sheen	19.67	0.00	3,481.78
MW - 2	07/22/10	3,501.45	sheen	19.58	0.00	3,481.87
MW - 2	07/30/10	3,501.45	sheen	19.49	0.00	3,481.96
MW - 2	08/04/10	3,501.45	sheen	19.47	0.00	3,481.98
MW - 2	*08/05/10*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	08/19/10	3,501.45	sheen	19.52	0.00	3,481.93
MW - 2	08/27/10	3,501.45	sheen	19.52	0.00	3,481.93
MW - 2	09/03/10	3,501.45	sheen	19.58	0.00	3,481.87
MW - 2	09/09/10	3,501.45	-	19.59	0.00	3,481.86

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	09/17/10	3,501.45	sheen	19.52	0.00	3,481.93
MW - 2	10/01/10	3,501.45	-	19.60	0.00	3,481.85
MW - 2	10/04/10	3,501.45	-	19.59	0.00	3,481.86
MW - 2	10/13/10	3,501.45	sheen	19.77	0.00	3,481.68
MW - 2	10/19/10	3,501.45	-	19.57	0.00	3,481.88
MW - 2	10/26/10	3,501.45	-	19.54	0.00	3,481.91
MW - 2	*11/04/10*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	11/05/10	3,501.45	sheen	19.75	0.00	3,481.70
MW - 2	11/12/10	3,501.45	sheen	19.92	0.00	3,481.53
MW - 2	11/19/10	3,501.45	sheen	19.88	0.00	3,481.57
MW - 2	12/10/10	3,501.45	sheen	31.94	0.00	3,469.51
MW - 2	12/13/10	3,501.45	-	33.82	0.00	3,467.63
MW - 2	01/20/11	3,501.45	sheen	19.49	0.00	3,481.96
MW - 2	*02/09/11*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	*05/03/11*	3,501.45	-	19.42	0.00	3,482.03
MW - 2	05/19/11	3,501.45	-	19.90	0.00	3,481.55
MW - 2	05/25/11	3,501.45	-	19.96	0.00	3,481.49
MW - 2	06/06/11	3,501.45	-	20.04	0.00	3,481.41
MW - 2	06/13/11	3,501.45	-	19.98	0.00	3,481.47
MW - 2	06/27/11	3,501.45	-	20.01	0.00	3,481.44
MW - 2	07/07/11	3,501.45	-	20.26	0.00	3,481.19
MW - 2	07/14/11	3,501.45	-	20.32	0.00	3,481.13
MW - 2	07/25/11	3,501.45		20.20	0.00	3,481.25
MW - 2	*08/02/11*	3,501.45		19.42	0.00	3,482.03
MW - 2	08/03/11	3,501.45		20.43	0.00	3,481.02
MW - 2	08/18/11	3,501.45		20.62	0.00	3,480.83
MW - 2	08/24/11	3,501.45		20.68	0.00	3,480.77
MW - 2	08/29/11	3,501.45		20.48	0.00	3,480.97
MW - 2	09/07/11	3,501.45	odor	20.64	0.00	3,480.81
MW - 2	09/14/11	3,501.45		20.65	0.00	3,480.80
MW - 2	10/26/11	3,501.45		20.64	0.00	3,480.81
MW - 2	*11/21/11*	3,501.45		20.55	0.00	3,480.90
MW - 3	02/11/03	3,495.97	17.10	17.77	0.67	3,478.77
MW - 3	*02/27/03*	3,495.97	16.64	19.15	2.51	3,478.95
MW - 3	03/19/03	3,495.97	16.63	19.50	2.87	3,478.91
MW - 3	04/03/03	3,495.97	16.65	19.47	2.82	3,478.90
MW - 3	04/11/03	3,495.97	16.65	19.48	2.83	3,478.90
MW - 3	04/21/03	3,495.97	16.62	18.98	2.36	3,479.00
MW - 3	04/30/03	3,495.97	6.98	8.67	1.69	3,488.74
MW - 3	05/05/03	3,495.97	6.93	8.63	1.70	3,488.79
MW - 3	06/18/03	3,495.97	7.24	8.15	0.91	3,488.59
MW - 3	07/09/03	3,495.97	7.49	8.18	0.69	3,488.38
MW - 3	07/21/03	3,495.97	7.49	8.19	0.70	3,488.38
MW - 3	08/12/03	3,495.97	7.50	8.20	0.70	3,488.37
MW - 3	08/18/03	3,495.97	7.47	8.19	0.72	3,488.39
MW - 3	09/03/03	3,495.97	7.96	8.52	0.56	3,487.93
MW - 3	09/19/03	3,495.97	7.97	8.51	0.54	3,487.92
MW - 3	10/02/03	3,495.97	7.95	8.50	0.55	3,487.94
MW - 3	11/03/03	3,495.97	8.15	8.65	0.50	3,487.75

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	11/13/03	3,495.97	8.14	8.51	0.37	3,487.77
MW - 3	11/25/03	3,495.97	8.15	8.50	0.35	3,487.77
MW - 3	12/02/03	3,495.97	8.15	8.20	0.05	3,487.81
MW - 3	12/10/03	3,495.97	8.13	8.16	0.03	3,487.84
MW - 3	01/02/04	3,495.97	8.05	8.08	0.03	3,487.92
MW - 3	01/30/04	3,495.97	8.22	8.24	0.02	3,487.75
MW - 3	02/06/04	3,495.97	8.23	8.24	0.01	3,487.74
MW - 3	*05/05/04*	3,495.97	-	7.16	0.00	3,488.81
MW - 3	05/25/04	3,495.97	9.92	9.94	0.02	3,486.05
MW - 3	06/03/04	3,495.97	-	9.84	0.00	3,486.13
MW - 3	06/15/04	3,495.97	-	9.73	0.00	3,486.24
MW - 3	07/08/04	3,495.97	-	9.70	0.00	3,486.27
MW - 3	*07/26/04*	3,495.97	-	9.73	0.00	3,486.24
MW - 3	09/10/04	3,495.97	-	10.18	0.00	3,485.79
MW - 3	09/21/04	3,495.97	-	10.11	0.00	3,485.86
MW - 3	*10/04/04*	3,495.97	-	9.25	0.00	3,486.72
MW - 3	10/15/04	3,495.97	9.13	9.16	0.03	3,486.84
MW - 3	11/09/04	3,495.97	-	9.60	0.00	3,486.37
MW - 3	11/16/04	3,495.97	-	6.15	0.00	3,489.82
MW - 3	12/07/04	3,495.97	-	9.18	0.00	3,486.79
MW - 3	*12/17/04*	3,495.97	-	9.36	0.00	3,486.61
MW - 3	01/07/05	3,495.97	-	9.22	0.00	3,486.75
MW - 3	02/21/05	3,495.97	-	9.00	0.00	3,486.97
MW - 3	*03/29/05*	3,495.97	-	8.65	0.00	3,487.32
MW - 3	04/22/05	3,495.97	-	8.80	0.00	3,487.17
MW - 3	05/06/05	3,495.97	-	8.96	0.00	3,487.01
MW - 3	*05/11/05*	3,495.97	-	8.91	0.00	3,487.06
MW - 3	07/19/05	3,495.97	8.54	8.55	0.01	3,487.43
MW - 3	*08/16/05*	3,495.97	-	8.50	0.00	3,487.47
MW - 3	10/05/05	3,495.97	-	8.65	0.00	3,487.32
MW - 3	*11/15/05*	3,495.97	-	8.46	0.00	3,487.51
MW - 3	*02/15/06*	3,495.97	-	5.46	0.00	3,490.51
MW - 3	03/13/06	3,495.97	-	9.20	0.00	3,486.77
MW - 3	03/22/06	3,495.97	NOT SAMPLED			
MW - 3	*05/23/06*	3,495.97	-	8.52	0.00	3,487.45
MW - 3	07/20/06	3,495.97	-	8.85	0.00	3,487.12
MW - 3	*08/09/06*	3,495.97	NOT SAMPLED			
MW - 3	10/18/06	3,495.97	-	8.65	0.00	3,487.32
MW - 3	*11/27/06*	3,495.97	-	8.81	0.00	3,487.16
MW - 3	12/11/06	3,495.97	-	9.19	0.00	3,486.78
MW - 3	01/04/07	3,495.97	-	8.21	0.00	3,487.76
MW - 3	02/16/07	3,495.97		8.01	0.00	3,487.96
MW - 3	*03/20/07*	3,495.97	-	7.89	0.00	3,488.08
MW - 3	*06/04/07*	3,495.97	-	7.78	0.00	3,488.19
MW - 3	*08/22/07*	3,495.97	8.44	8.48	0.04	3,487.52
MW - 3	10/10/07	3,495.97	-	8.32	0.00	3,487.65
MW - 3	*11/29/07*	3,495.97	-	8.29	0.00	3,487.68
MW - 3	*02/26/08*	3,495.97	-	8.34	0.00	3,487.63
MW - 3	*04/25/08*	3,495.97	-	8.34	0.00	3,487.63
MW - 3	*05/22/08*	3,495.97	-		0.00	3,495.97

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	08/19/08	3,495.97	-	8.44	0.00	3,487.53
MW - 3	*08/28/08*	3,495.97	8.72	8.74	0.02	3,487.25
MW - 3	09/12/08	3,495.97	-	8.38	0.00	3,487.59
MW - 3	09/25/08	3,495.97	-	8.54	0.00	3,487.43
MW - 3	09/30/08	3,495.97	-	8.60	0.00	3,487.37
MW - 3	10/09/08	3,495.97	-	8.55	0.00	3,487.42
MW - 3	10/23/08	3,495.97	-	8.37	0.00	3,487.60
MW - 3	10/28/08	3,495.97	-	8.40	0.00	3,487.57
MW - 3	*11/20/08*	3,495.97	-	8.50	0.00	3,487.47
MW - 3	12/03/08	3,495.97	-	8.73	0.00	3,487.24
MW - 3	12/16/08	3,495.97	-	8.31	0.00	3,487.66
MW - 3	12/19/08	3,495.97	-	8.31	0.00	3,487.66
MW - 3	12/29/08	3,495.97	-	0.00	0.00	3,495.97
MW - 3	01/07/09	3,495.97	-	8.30	0.00	3,487.67
MW - 3	*02/16/09*	3,495.97	-	8.29	0.00	3,487.68
MW - 3	*05/29/09*	3,495.97	-	20.26	0.00	3,475.71
MW - 3	06/11/09	3,495.97	-	20.35	0.00	3,475.62
MW - 3	06/18/09	3,495.97	-	20.42	0.00	3,475.55
MW - 3	06/25/09	3,495.97	-	20.66	0.00	3,475.31
MW - 3	07/02/09	3,495.97	-	20.80	0.00	3,475.17
MW - 3	07/09/09	3,495.97	-	20.37	0.00	3,475.60
MW - 3	07/13/09	3,495.97	-	20.39	0.00	3,475.58
MW - 3	07/24/09	3,495.97	-	20.88	0.00	3,475.09
MW - 3	07/29/09	3,495.97	-	20.78	0.00	3,475.19
MW - 3	07/31/09	3,495.97	-	20.81	0.00	3,475.16
MW - 3	*08/06/09*	3,495.97	-	20.80	0.00	3,475.17
MW - 3	08/13/09	3,495.97	-	20.85	0.00	3,475.12
MW - 3	08/21/09	3,495.97	-	21.00	0.00	3,474.97
MW - 3	09/18/09	3,495.97	-	20.97	0.00	3,475.00
MW - 3	09/29/09	3,495.97	-	20.39	0.00	3,475.58
MW - 3	10/06/09	3,495.97	-	20.38	0.00	3,475.59
MW - 3	10/20/09	3,495.97	-	21.09	0.00	3,474.88
MW - 3	10/27/09	3,495.97	-	21.11	0.00	3,474.86
MW - 3	*11/10/09*	3,495.97	-	21.21	0.00	3,474.76
MW - 3	11/13/09	3,495.97	-	21.02	0.00	3,474.95
MW - 3	12/16/09	3,495.97	-	21.33	0.00	3,474.64
MW - 3	12/21/09	3,495.97	-	21.27	0.00	3,474.70
MW - 3	01/05/10	3,495.97	-	21.34	0.00	3,474.63
MW - 3	01/22/10	3,495.97	-	21.02	0.00	3,474.95
MW - 3	*02/04/10*	3,495.97	-	21.06	0.00	3,474.91
MW - 3	03/01/10	3,495.97	-	21.03	0.00	3,474.94
MW - 3	03/10/10	3,495.97	-	21.06	0.00	3,474.91
MW - 3	03/12/10	3,495.97	-	20.95	0.00	3,475.02
MW - 3	03/15/10	3,495.97	-	20.97	0.00	3,475.00
MW - 3	03/17/10	3,495.97	sheen	20.72	0.00	3,475.25
MW - 3	03/22/10	3,495.97	-	21.08	0.00	3,474.89
MW - 3	03/31/10	3,495.97	-	20.93	0.00	3,475.04
MW - 3	04/05/10	3,495.97	-	21.05	0.00	3,474.92
MW - 3	04/14/10	3,495.97	-	20.92	0.00	3,475.05
MW - 3	04/16/10	3,495.97	-	21.08	0.00	3,474.89

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	04/19/10	3,495.97	-	20.74	0.00	3,475.23
MW - 3	04/26/10	3,495.97	-	20.75	0.00	3,475.22
MW - 3	*05/06/10*	3,495.97	-	20.57	0.00	3,475.40
MW - 3	05/14/10	3,495.97	-	20.02	0.00	3,475.95
MW - 3	05/21/10	3,495.97	-	21.08	0.00	3,474.89
MW - 3	05/24/10	3,495.97	-	21.09	0.00	3,474.88
MW - 3	06/08/10	3,495.97	sheen	20.58	0.00	3,475.39
MW - 3	06/16/10	3,495.97	sheen	20.67	0.00	3,475.30
MW - 3	06/29/10	3,495.97	sheen	20.84	0.00	3,475.13
MW - 3	07/08/10	3,495.97	sheen	20.51	0.00	3,475.46
MW - 3	07/13/10	3,495.97	sheen	20.36	0.00	3,475.61
MW - 3	07/22/10	3,495.97	sheen	20.23	0.00	3,475.74
MW - 3	07/30/10	3,495.97	sheen	20.04	0.00	3,475.93
MW - 3	08/04/10	3,495.97	sheen	20.01	0.00	3,475.96
MW - 3	*08/05/10*	3,495.97	-	20.02	0.00	3,475.95
MW - 3	08/19/10	3,495.97	sheen	20.10	0.00	3,475.87
MW - 3	08/27/10	3,495.97	sheen	20.09	0.00	3,475.88
MW - 3	09/03/10	3,495.97	sheen	20.12	0.00	3,475.85
MW - 3	09/09/10	3,495.97	-	20.12	0.00	3,475.85
MW - 3	09/17/10	3,495.97	sheen	20.08	0.00	3,475.89
MW - 3	10/01/10	3,495.97	-	20.12	0.00	3,475.85
MW - 3	10/04/10	3,495.97	-	20.11	0.00	3,475.86
MW - 3	10/13/10	3,495.97	sheen	20.29	0.00	3,475.68
MW - 3	10/19/10	3,495.97	-	20.10	0.00	3,475.87
MW - 3	10/26/10	3,495.97	-	20.08	0.00	3,475.89
MW - 3	*11/04/10*	3,495.97	-	20.05	0.00	3,475.92
MW - 3	11/05/10	3,495.97	sheen	20.12	0.00	3,475.85
MW - 3	11/12/10	3,495.97	sheen	20.57	0.00	3,475.40
MW - 3	11/19/10	3,495.97	sheen	20.44	0.00	3,475.53
MW - 3	12/10/10	3,495.97	sheen	30.26	0.00	3,465.71
MW - 3	12/13/10	3,495.97	-	30.51	0.00	3,465.46
MW - 3	01/20/11	3,495.97	sheen	20.06	0.00	3,475.91
MW - 3	*02/09/11*	3,495.97	-	20.00	0.00	3,475.97
MW - 3	*05/03/11*	3,495.97	-	20.00	0.00	3,475.97
MW - 3	05/19/11	3,495.97	-	20.43	0.00	3,475.54
MW - 3	05/25/11	3,495.97	-	20.40	0.00	3,475.57
MW - 3	06/06/11	3,495.97	-	20.53	0.00	3,475.44
MW - 3	06/13/11	3,495.97	-	20.47	0.00	3,475.50
MW - 3	06/27/11	3,495.97	-	20.49	0.00	3,475.48
MW - 3	07/07/11	3,495.97	-	20.59	0.00	3,475.38
MW - 3	07/14/11	3,495.97	-	20.57	0.00	3,475.40
MW - 3	07/25/11	3,495.97		20.53	0.00	3,475.44
MW - 3	*08/02/11*	3,495.97		20.00	0.00	3,475.97
MW - 3	08/03/11	3,495.97		20.94	0.00	3,475.03
MW - 3	08/18/11	3,495.97		20.25	0.00	3,475.72
MW - 3	08/24/11	3,495.97		20.31	0.00	3,475.66
MW - 3	08/29/11	3,495.97		20.05	0.00	3,475.92
MW - 3	09/07/11	3,495.97	odor	21.12	0.00	3,474.85
MW - 3	09/14/11	3,495.97	sheen	21.12	0.00	3,474.85
MW - 3	10/26/11	3,495.97		21.25	0.00	3,474.72

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	*11/21/11*	3,495.97		21.05	0.00	3,474.92
MW - 4	*05/25/04*	3,509.01	-	20.16	0.00	3,488.85
MW - 4	06/03/04	3,509.01	-	19.13	0.00	3,489.88
MW - 4	06/15/04	3,509.01	-	19.13	0.00	3,489.88
MW - 4	07/08/04	3,509.01	-	19.06	0.00	3,489.95
MW - 4	*07/26/04*	3,509.01	-	19.21	0.00	3,489.80
MW - 4	09/10/04	3,509.01	-	19.46	0.00	3,489.55
MW - 4	09/21/04	3,509.01	-	19.35	0.00	3,489.66
MW - 4	*10/04/04*	3,509.01	-	19.35	0.00	3,489.66
MW - 4	10/15/04	3,509.01	-	18.81	0.00	3,490.20
MW - 4	11/09/04	3,509.01	-	18.89	0.00	3,490.12
MW - 4	11/16/04	3,509.01	-	18.83	0.00	3,490.18
MW - 4	12/07/04	3,509.01	-	18.70	0.00	3,490.31
MW - 4	*12/17/04*	3,509.01	-	18.71	0.00	3,490.30
MW - 4	01/07/05	3,509.01	-	18.48	0.00	3,490.53
MW - 4	02/21/05	3,509.01	-	18.27	0.00	3,490.74
MW - 4	*03/29/05*	3,509.01	-	18.02	0.00	3,490.99
MW - 4	04/22/05	3,509.01	-	18.07	0.00	3,490.94
MW - 4	05/06/05	3,509.01	-	17.94	0.00	3,491.07
MW - 4	*05/11/05*	3,509.01	-	17.96	0.00	3,491.05
MW - 4	07/19/05	3,509.01	-	18.13	0.00	3,490.88
MW - 4	*08/16/05*	3,509.01	-	18.21	0.00	3,490.80
MW - 4	10/05/05	3,509.01	-	18.14	0.00	3,490.87
MW - 4	*11/15/05*	3,509.01	-	17.91	0.00	3,491.10
MW - 4	*02/15/06*	3,509.01	-	17.76	0.00	3,491.25
MW - 4	03/13/06	3,509.01	-	17.80	0.00	3,491.21
MW - 4	03/22/06	3,509.01	NOT SAMPLED			
MW - 4	*05/23/06*	3,509.01	-	17.84	0.00	3,491.17
MW - 4	07/20/06	3,509.01	-	18.26	0.00	3,490.75
MW - 4	*08/09/06*	3,509.01	NOT SAMPLED			
MW - 4	10/18/06	3,509.01	-	17.64	0.00	3,491.37
MW - 4	*11/27/06*	3,509.01	-	17.66	0.00	3,491.35
MW - 4	01/04/07	3,509.01	-	17.57	0.00	3,491.44
MW - 4	02/16/07	3,509.01	-	17.42	0.00	3,491.59
MW - 4	*03/20/07*	3,509.01	-	17.29	0.00	3,491.72
MW - 4	*06/04/07*	3,509.01	-	17.19	0.00	3,491.82
MW - 4	*08/22/07*	3,509.01	-	17.94	0.00	3,491.07
MW - 4	*11/29/07*	3,509.01	-	17.63	0.00	3,491.38
MW - 4	*02/26/08*	3,509.01	-	17.48	0.00	3,491.53
MW - 4	*05/22/08*	3,509.01	-	17.42	0.00	3,491.59
MW - 4	*08/28/08*	3,509.01	-	18.21	0.00	3,490.80
MW - 4	*11/20/08*	3,509.01	-	17.74	0.00	3,491.27
MW - 4	*02/16/09*	3,509.01	-	17.57	0.00	3,491.44
MW - 4	*05/29/09*	3,509.01	-	19.26	0.00	3,489.75
MW - 4	*08/06/09*	3,509.01	-	19.74	0.00	3,489.27
MW - 4	*11/10/09*	3,509.01	-	20.08	0.00	3,488.93
MW - 4	01/05/10	3,509.01	-	19.90	0.00	3,489.11
MW - 4	*02/04/10*	3,509.01	-	19.84	0.00	3,489.17
MW - 4	*05/06/10*	3,509.01	-	19.38	0.00	3,489.63

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 4	*08/05/10*	3,509.01	-	19.02	0.00	3,489.99
MW - 4	*11/04/10*	3,509.01	-	19.04	0.00	3,489.97
MW - 4	*02/09/11*	3,509.01	-	19.02	0.00	3,489.99
MW - 4	*05/03/11*	3,509.01	-	19.04	0.00	3,489.97
MW - 4	*08/02/11*	3,509.01	-	19.02	0.00	3,489.99
MW - 4	*11/21/11*	3,509.01	-	20.10	0.00	3,488.91
MW - 5	*05/25/04*	3,508.74	-	20.08	0.00	3,488.66
MW - 5	06/03/04	3,508.74	-	20.00	0.00	3,488.74
MW - 5	06/15/04	3,508.74	-	20.03	0.00	3,488.71
MW - 5	07/08/04	3,508.74	-	19.93	0.00	3,488.81
MW - 5	*07/26/04*	3,508.74	-	20.06	0.00	3,488.68
MW - 5	09/10/04	3,508.74	-	20.26	0.00	3,488.48
MW - 5	09/21/04	3,508.74	-	20.34	0.00	3,488.40
MW - 5	*10/04/04*	3,508.74	-	19.55	0.00	3,489.19
MW - 5	10/15/04	3,508.74	-	19.52	0.00	3,489.22
MW - 5	11/09/04	3,508.74	-	19.67	0.00	3,489.07
MW - 5	11/16/04	3,508.74	-	19.41	0.00	3,489.33
MW - 5	12/07/04	3,508.74	-	19.45	0.00	3,489.29
MW - 5	*12/17/04*	3,508.74	-	19.44	0.00	3,489.30
MW - 5	01/07/05	3,508.74	-	19.30	0.00	3,489.44
MW - 5	02/21/05	3,508.74	-	19.11	0.00	3,489.63
MW - 5	*03/29/05*	3,508.74	-	18.86	0.00	3,489.88
MW - 5	04/22/05	3,508.74	-	18.91	0.00	3,489.83
MW - 5	05/06/05	3,508.74	-	18.89	0.00	3,489.85
MW - 5	*05/11/05*	3,508.74	-	18.80	0.00	3,489.94
MW - 5	07/19/05	3,508.74	-	19.92	0.00	3,488.82
MW - 5	*08/16/05*	3,508.74	-	18.81	0.00	3,489.93
MW - 5	10/05/05	3,508.74	-	18.90	0.00	3,489.84
MW - 5	*11/15/05*	3,508.74	-	18.75	0.00	3,489.99
MW - 5	*02/15/06*	3,508.74	-	18.62	0.00	3,490.12
MW - 5	03/13/06	3,508.74	-	18.62	0.00	3,490.12
MW - 5	03/22/06	3,508.74	NOT SAMPLED			
MW - 5	*05/23/06*	3,508.74	-	18.71	0.00	3,490.03
MW - 5	07/20/06	3,508.74	-	19.05	0.00	3,489.69
MW - 5	*08/09/06*	3,508.74	-	18.92	0.00	3,489.82
MW - 5	10/18/06	3,508.74	-	18.45	0.00	3,490.29
MW - 5	*11/27/06*	3,508.74	-	18.45	0.00	3,490.29
MW - 5	12/11/06	3,508.74	-	18.46	0.00	3,490.28
MW - 5	01/04/07	3,508.74	-	18.46	0.00	3,490.28
MW - 5	02/16/07	3,508.74	-	18.24	0.00	3,490.50
MW - 5	*03/20/07*	3,508.74	-	18.24	0.00	3,490.50
MW - 5	*06/04/07*	3,508.74	-	18.10	0.00	3,490.64
MW - 5	08/22/07	3,508.74	-	18.81	0.00	3,489.93
MW - 5	*11/29/07*	3,508.74	-	18.49	0.00	3,490.25
MW - 5	*02/26/08*	3,508.74	-	18.39	0.00	3,490.35
MW - 5	*05/22/08*	3,508.74	-	18.40	0.00	3,490.34
MW - 5	*08/28/08*	3,508.74	-	19.03	0.00	3,489.71
MW - 5	*11/20/08*	3,508.74	-	18.64	0.00	3,490.10
MW - 5	*02/16/09*	3,508.74	-	18.49	0.00	3,490.25

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 5	*05/29/09*	3,508.74	-	19.14	0.00	3,489.60
MW - 5	*08/06/09*	3,508.74	-	19.57	0.00	3,489.17
MW - 5	*11/10/09*	3,508.74	-	19.95	0.00	3,488.79
MW - 5	*11/13/09*	3,508.74	-	19.91	0.00	3,488.83
MW - 5	01/05/10	3,508.74	-	19.78	0.00	3,488.96
MW - 5	*02/04/10*	3,508.74	-	19.71	0.00	3,489.03
MW - 5	*05/06/10*	3,508.74	-	19.27	0.00	3,489.47
MW - 5	*08/05/10*	3,508.74	-	18.91	0.00	3,489.83
MW - 5	*11/04/10*	3,508.74	-	18.92	0.00	3,489.82
MW - 5	*02/09/11*	3,508.74	-	18.90	0.00	3,489.84
MW - 5	*05/03/11*	3,508.74	-	18.89	0.00	3,489.85
MW - 5	05/19/11	3,508.74	-	19.64	0.00	3,489.10
MW - 5	05/25/11	3,508.74	-	19.62	0.00	3,489.12
MW - 5	06/06/11	3,508.74	-	19.45	0.00	3,489.29
MW - 5	06/13/11	3,508.74	-	19.60	0.00	3,489.14
MW - 5	06/27/11	3,508.74	-	19.58	0.00	3,489.16
MW - 5	07/07/11	3,508.74	-	19.60	0.00	3,489.14
MW - 5	07/14/11	3,508.74	-	19.63	0.00	3,489.11
MW - 5	07/25/11	3,508.74		19.67	0.00	3,489.07
MW - 5	*08/02/11*	3,508.74		18.86	0.00	3,489.88
MW - 5	08/03/11	3,508.74		19.81	0.00	3,488.93
MW - 5	08/18/11	3,508.74		19.99	0.00	3,488.75
MW - 5	08/24/11	3,508.74		20.10	0.00	3,488.64
MW - 5	08/29/11	3,508.74		19.92	0.00	3,488.82
MW - 5	09/07/11	3,508.74	odor	20.06	0.00	3,488.68
MW - 5	09/14/11	3,508.74	sheen	20.19	0.00	3,488.55
MW - 5	10/26/11	3,508.74		20.03	0.00	3,488.71
MW - 5	*11/21/11*	3,508.74		19.95	0.00	3,488.79
MW - 6	*05/25/04*	3,509.76	-	21.76	0.00	3,488.00
MW - 6	06/03/04	3,509.76	-	21.63	0.00	3,488.13
MW - 6	06/15/04	3,509.76	-	21.65	0.00	3,488.11
MW - 6	07/08/04	3,509.76	-	21.55	0.00	3,488.21
MW - 6	*07/26/04*	3,509.76	-	21.67	0.00	3,488.09
MW - 6	09/10/04	3,509.76	-	22.06	0.00	3,487.70
MW - 6	09/21/04	3,509.76	-	22.25	0.00	3,487.51
MW - 6	*10/04/04*	3,509.76	-	21.39	0.00	3,488.37
MW - 6	10/15/04	3,509.76	-	21.25	0.00	3,488.51
MW - 6	11/09/04	3,509.76	-	21.46	0.00	3,488.30
MW - 6	11/16/04	3,509.76	-	21.27	0.00	3,488.49
MW - 6	12/07/04	3,509.76	-	21.23	0.00	3,488.53
MW - 6	*12/17/04*	3,509.76	-	21.29	0.00	3,488.47
MW - 6	01/07/05	3,509.76	-	21.07	0.00	3,488.69
MW - 6	02/21/05	3,509.76	-	20.91	0.00	3,488.85
MW - 6	*03/29/05*	3,509.76	-	20.68	0.00	3,489.08
MW - 6	04/22/05	3,509.76	-	20.74	0.00	3,489.02
MW - 6	05/06/05	3,509.76	-	20.59	0.00	3,489.17
MW - 6	*05/11/05*	3,509.76	-	20.60	0.00	3,489.16
MW - 6	07/19/05	3,509.76	-	20.60	0.00	3,489.16
MW - 6	*08/16/05*	3,509.76	-	20.62	0.00	3,489.14

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 6	10/05/05	3,509.76	-	20.65	0.00	3,489.11
MW - 6	*11/15/05*	3,509.76	-	20.50	0.00	3,489.26
MW - 6	*02/15/06*	3,509.76	-	20.35	0.00	3,489.41
MW - 6	03/13/06	3,509.76	-	20.36	0.00	3,489.40
MW - 6	03/22/06	3,509.76	NOT SAMPLED			
MW - 6	*05/23/06*	3,509.76	-	20.32	0.00	3,489.44
MW - 6	07/20/06	3,509.76	-	20.63	0.00	3,489.13
MW - 6	*08/09/06*	3,509.76	-	20.50	0.00	3,489.26
MW - 6	10/18/06	3,509.76	-	20.08	0.00	3,489.68
MW - 6	*11/27/06*	3,509.76	-	20.06	0.00	3,489.70
MW - 6	12/11/06	3,509.76	-	36.60	0.00	3,473.16
MW - 6	01/04/06	3,509.76	-	20.17	0.00	3,489.59
MW - 6	02/16/07	3,509.76	-	19.89	0.00	3,489.87
MW - 6	*03/20/07*	3,509.76	-	19.82	0.00	3,489.94
MW - 6	*06/04/07*	3,509.76	-	19.75	0.00	3,490.01
MW - 6	*08/22/07*	3,509.76	-	20.38	0.00	3,489.38
MW - 6	*11/29/07*	3,509.76	-	20.11	0.00	3,489.65
MW - 6	*02/26/08*	3,509.76	-	20.01	0.00	3,489.75
MW - 6	*05/22/08*	3,509.76	-	19.92	0.00	3,489.84
MW - 6	*08/28/08*	3,509.76	-	20.69	0.00	3,489.07
MW - 6	*11/20/08*	3,509.76	-	20.24	0.00	3,489.52
MW - 6	*02/16/09*	3,509.76	-	20.09	0.00	3,489.67
MW - 6	*05/29/09*	3,509.76	-	20.59	0.00	3,489.17
MW - 6	*08/06/09*	3,509.76	-	21.07	0.00	3,488.69
MW - 6	*11/10/09*	3,509.76	-	21.43	0.00	3,488.33
MW - 6	01/05/09	3,509.76	-	21.32	0.00	3,488.44
MW - 6	*02/04/10*	3,509.76	-	21.24	0.00	3,488.52
MW - 6	*05/06/10*	3,509.76		21.28	0.00	3,488.48
MW - 6	*08/05/10*	3,509.76	-	19.83	0.00	3,489.93
MW - 6	*11/04/10*	3,509.76	-	19.82	0.00	3,489.94
MW - 6	*02/09/11*	3,509.76	-	19.81	0.00	3,489.95
MW - 6	*05/03/11*	3,509.76	-	19.81	0.00	3,489.95
MW - 6	*08/02/11*	3,509.76	-	19.80	0.00	3,489.96
MW - 6	*11/21/11*	3,509.76	-	21.47	0.00	3,488.29
MW - 7	*05/25/04*	3,507.38	-	19.37	0.00	3,488.01
MW - 7	06/03/04	3,507.38	-	19.37	0.00	3,488.01
MW - 7	06/15/04	3,507.38	-	19.40	0.00	3,487.98
MW - 7	07/08/04	3,507.38	-	19.36	0.00	3,488.02
MW - 7	*07/26/04*	3,507.38	-	19.49	0.00	3,487.89
MW - 7	09/10/06	3,507.38	-	19.67	0.00	3,487.71
MW - 7	09/21/04	3,507.38	-	19.75	0.00	3,487.63
MW - 7	*10/04/04*	3,507.38	-	19.25	0.00	3,488.13
MW - 7	10/15/04	3,507.38	-	19.07	0.00	3,488.31
MW - 7	11/09/04	3,507.38	-	19.09	0.00	3,488.29
MW - 7	11/16/04	3,507.38	-	19.10	0.00	3,488.28
MW - 7	12/07/04	3,507.38	-	18.94	0.00	3,488.44
MW - 7	*12/17/04*	3,507.38	-	18.89	0.00	3,488.49
MW - 7	01/07/05	3,507.38	-	18.79	0.00	3,488.59
MW - 7	02/21/05	3,507.38	-	18.57	0.00	3,488.81

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 7	*03/29/05*	3,507.38	-	18.23	0.00	3,489.15
MW - 7	04/22/05	3,507.38	-	18.33	0.00	3,489.05
MW - 7	05/06/05	3,507.38	-	18.23	0.00	3,489.15
MW - 7	*05/11/05*	3,507.38	-	18.24	0.00	3,489.14
MW - 7	07/19/05	3,507.38	-	18.24	0.00	3,489.14
MW - 7	*08/16/05*	3,507.38	-	18.35	0.00	3,489.03
MW - 7	10/05/05	3,507.38	-	18.25	0.00	3,489.13
MW - 7	*11/15/05*	3,507.38	-	18.14	0.00	3,489.24
MW - 7	*02/15/06*	3,507.38	-	18.04	0.00	3,489.34
MW - 7	03/13/06	3,507.38	-	18.05	0.00	3,489.33
MW - 7	03/22/06	3,507.38	NOT SAMPLED			
MW - 7	*05/23/06*	3,507.38	-	18.09	0.00	3,489.29
MW - 7	07/20/06	3,507.38	-	18.45	0.00	3,488.93
MW - 7	*08/09/06*	3,507.38	0.00	18.27	0.00	3,489.11
MW - 7	10/18/06	3,507.38	-	17.86	0.00	3,489.52
MW - 7	*11/27/06*	3,507.38	-	17.82	0.00	3,489.56
MW - 7	12/11/06	3,507.38	-	29.80	0.00	3,477.58
MW - 7	01/04/07	3,507.38	-	17.77	0.00	3,489.61
MW - 7	02/16/07	3,507.38	-	17.69	0.00	3,489.69
MW - 7	*03/20/07*	3,507.38	-	17.66	0.00	3,489.72
MW - 7	*06/04/07*	3,507.38	-	17.53	0.00	3,489.85
MW - 7	*08/22/07*	3,507.38	-	18.18	0.00	3,489.20
MW - 7	*11/29/07*	3,507.38	-	17.89	0.00	3,489.49
MW - 7	*02/26/08*	3,507.38	-	17.79	0.00	3,489.59
MW - 7	*05/22/08*	3,507.38	-	17.76	0.00	3,489.62
MW - 7	*08/28/08*	3,507.38	-	18.49	0.00	3,488.89
MW - 7	*11/20/08*	3,507.38	-	18.04	0.00	3,489.34
MW - 7	*02/16/09*	3,507.38	-	17.91	0.00	3,489.47
MW - 7	*05/29/09*	3,507.38	-	17.93	0.00	3,489.45
MW - 7	*08/06/09*	3,507.38	-	18.33	0.00	3,489.05
MW - 7	*11/10/09*	3,507.38	-	18.68	0.00	3,488.70
MW - 7	11/13/09	3,507.38	-	18.68	0.00	3,488.70
MW - 7	01/05/10	3,507.38	-	18.60	0.00	3,488.78
MW - 7	*02/04/10*	3,507.38	-	18.53	0.00	3,488.85
MW - 7	*05/06/10*	3,507.38	-	18.54	0.00	3,488.84
MW - 7	*08/05/10*	3,507.38	-	17.64	0.00	3,489.74
MW - 7	*11/04/10*	3,507.38	-	17.66	0.00	3,489.72
MW - 7	*02/09/11*	3,507.38	-	17.66	0.00	3,489.72
MW - 7	*05/03/11*	3,507.38	-	17.65	0.00	3,489.73
MW - 7	05/19/11	3,507.38	-	18.16	0.00	3,489.22
MW - 7	05/25/11	3,507.38	-	18.24	0.00	3,489.14
MW - 7	06/06/11	3,507.38	-	18.29	0.00	3,489.09
MW - 7	06/13/11	3,507.38	-	18.21	0.00	3,489.17
MW - 7	06/27/11	3,507.38	-	18.28	0.00	3,489.10
MW - 7	07/07/11	3,507.38	-	18.42	0.00	3,488.96
MW - 7	07/14/11	3,507.38	-	18.51	0.00	3,488.87
MW - 7	07/25/11	3,507.38		18.54	0.00	3,488.84
MW - 7	*08/02/11*	3,507.38		17.64	0.00	3,489.74
MW - 7	08/03/11	3,507.38		18.67	0.00	3,488.71
MW - 7	08/18/11	3,507.38		18.79	0.00	3,488.59

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 7	08/24/11	3,507.38		18.84	0.00	3,488.54
MW - 7	08/29/11	3,507.38		18.71	0.00	3,488.67
MW - 7	09/07/11	3,507.38	odor	18.82	0.00	3,488.56
MW - 7	09/14/11	3,507.38	odor	18.84	0.00	3,488.54
MW - 7	10/26/11	3,507.38		18.84	0.00	3,488.54
MW - 7	*11/21/11*	3,507.38		18.80	0.00	3,488.58
MW - 8	03/16/06	3,512.14	WELL INSTALLED 3/16/2006			N/A
MW - 8	*03/22/06*	3,512.14	-	22.87	0.00	3,489.27
MW - 8	*05/23/06*	3,512.14	-	23.23	0.00	3,488.91
MW - 8	07/20/06	3,512.14	-	23.62	0.00	3,488.52
MW - 8	*08/09/06*	3,512.14	-	23.48	0.00	3,488.66
MW - 8	10/18/06	3,512.14	-	23.04	0.00	3,489.10
MW - 8	*11/27/06*	3,512.14	-	23.00	0.00	3,489.14
MW - 8	12/11/06	3,512.14	-	23.00	0.00	3,489.14
MW - 8	01/04/07	3,512.14	-	22.92	0.00	3,489.22
MW - 8	02/16/07	3,512.14	-	22.81	0.00	3,489.33
MW - 8	*03/20/07*	3,512.14	-	22.77	0.00	3,489.37
MW - 8	*06/04/07*	3,512.14	-	22.66	0.00	3,489.48
MW - 8	*08/22/07*	3,512.14	-	23.34	0.00	3,488.80
MW - 8	*11/29/07*	3,512.14	-	23.04	0.00	3,489.10
MW - 8	*02/26/08*	3,512.14	-	22.88	0.00	3,489.26
MW - 8	*05/22/08*	3,512.14	-	22.84	0.00	3,489.30
MW - 8	*08/28/08*	3,512.14	-	23.58	0.00	3,488.56
MW - 8	*11/20/08*	3,512.14	-	23.15	0.00	3,488.99
MW - 8	*02/16/09*	3,512.14	-	22.98	0.00	3,489.16
MW - 8	*05/29/09*	3,512.14	-	22.92	0.00	3,489.22
MW - 8	*08/06/09*	3,512.14	-	23.41	0.00	3,488.73
MW - 8	*11/10/09*	3,512.14	-	23.79	0.00	3,488.35
MW - 8	01/05/10	3,512.14	-	23.66	0.00	3,488.48
MW - 8	*02/04/10*	3,512.14	-	23.58	0.00	3,488.56
MW - 8	*05/06/10*	3,512.14	-	23.54	0.00	3,488.60
MW - 8	*08/05/10*	3,512.14	-	22.78	0.00	3,489.36
MW - 8	*11/04/10*	3,512.14	-	22.80	0.00	3,489.34
MW - 8	*02/09/11*	3,512.14	-	22.78	0.00	3,489.36
MW - 8	*05/03/11*	3,512.14	-	22.77	0.00	3,489.37
MW - 8	*08/02/11*	3,512.14	-	22.78	0.00	3,489.36
MW - 8	*11/21/11*	3,512.14	-	23.83	0.00	3,488.31
MW - 9	03/16/06	3,509.34	WELL INSTALLED 3/16/2006			N/A
MW - 9	*03/22/06*	3,509.34	-	21.07	0.00	3,488.27
MW - 9	*05/23/06*	3,509.34	-	21.42	0.00	3,487.92
MW - 9	07/20/06	3,509.34	-	21.81	0.00	3,487.53
MW - 9	*08/09/06*	3,509.34	-	21.61	0.00	3,487.73
MW - 9	10/18/06	3,509.34	-	21.31	0.00	3,488.03
MW - 9	*11/27/06*	3,509.34	-	21.16	0.00	3,488.18
MW - 9	12/11/06	3,509.34	-	21.23	0.00	3,488.11
MW - 9	01/04/07	3,509.34	-	21.11	0.00	3,488.23
MW - 9	02/16/07	3,509.34	-	20.99	0.00	3,488.35
MW - 9	*03/20/07*	3,509.34	-	20.94	0.00	3,488.40

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 9	*06/04/07*	3,509.34	-	20.87	0.00	3,488.47
MW - 9	*08/22/07*	3,509.34	-	21.50	0.00	3,487.84
MW - 9	*11/29/07*	3,509.34	-	21.19	0.00	3,488.15
MW - 9	*02/26/08*	3,509.34	-	21.08	0.00	3,488.26
MW - 9	*05/22/08*	3,509.34	-	21.10	0.00	3,488.24
MW - 9	*08/28/08*	3,509.34	-	21.74	0.00	3,487.60
MW - 9	*11/20/08*	3,509.34	-	21.36	0.00	3,487.98
MW - 9	*02/16/09*	3,509.34	-	21.12	0.00	3,488.22
MW - 9	*05/29/09*	3,509.34	-	21.17	0.00	3,488.17
MW - 9	*08/06/09*	3,509.34	-	21.59	0.00	3,487.75
MW - 9	*11/10/09*	3,509.34	-	21.95	0.00	3,487.39
MW - 9	01/05/10	3,509.34	-	21.88	0.00	3,487.46
MW - 9	*02/04/10*	3,509.34	-	21.83	0.00	3,487.51
MW - 9	*05/06/10*	3,509.34	-	21.32	0.00	3,488.02
MW - 9	*08/05/10*	3,509.34	-	21.06	0.00	3,488.28
MW - 9	*11/04/10*	3,509.34	-	21.09	0.00	3,488.25
MW - 9	*02/09/11*	3,509.34	-	21.06	0.00	3,488.28
MW - 9	*05/03/11*	3,509.34	-	21.04	0.00	3,488.30
MW - 9	*08/02/11*	3,509.34	-	21.02	0.00	3,488.32
MW - 9	*11/21/11*	3,509.34	-	22.05	0.00	3,487.29
MW - 10	03/16/06	3,506.66	WELL INSTALLED 3/16/2006			N/A
MW - 10	*03/22/06*	3,506.66	-	18.22	0.00	3,488.44
MW - 10	*05/23/06*	3,506.66	-	18.57	0.00	3,488.09
MW - 10	07/20/06	3,506.66	-	18.98	0.00	3,487.68
MW - 10	*08/09/06*	3,506.66	-	18.78	0.00	3,487.88
MW - 10	10/18/06	3,506.66	-	18.37	0.00	3,488.29
MW - 10	*11/27/06*	3,506.66	-	18.30	0.00	3,488.36
MW - 10	12/11/06	3,506.66	-	18.33	0.00	3,488.33
MW - 10	01/04/07	3,506.66	-	18.28	0.00	3,488.38
MW - 10	02/16/07	3,506.66	-	18.16	0.00	3,488.50
MW - 10	*03/20/07*	3,506.66	-	18.10	0.00	3,488.56
MW - 10	*06/04/07*	3,506.66	-	18.04	0.00	3,488.62
MW - 10	*08/22/07*	3,506.66	-	18.73	0.00	3,487.93
MW - 10	*11/29/07*	3,506.66	-	18.40	0.00	3,488.26
MW - 10	*02/26/08*	3,506.66	-	18.30	0.00	3,488.36
MW - 10	*05/22/08*	3,506.66	-	18.28	0.00	3,488.38
MW - 10	*08/28/08*	3,506.66	-	19.01	0.00	3,487.65
MW - 10	*11/20/08*	3,506.66	-	18.57	0.00	3,488.09
MW - 10	*02/16/09*	3,506.66	-	18.42	0.00	3,488.24
MW - 10	*05/29/09*	3,506.66	-	18.47	0.00	3,488.19
MW - 10	*08/06/09*	3,506.66	-	18.84	0.00	3,487.82
MW - 10	*11/10/09*	3,506.66	-	19.20	0.00	3,487.46
MW - 10	01/05/10	3,506.66	-	19.12	0.00	3,487.54
MW - 10	*02/04/10*	3,506.66	-	19.05	0.00	3,487.61
MW - 10	*05/06/10*	3,506.66	-	19.16	0.00	3,487.50
MW - 10	*08/05/10*	3,506.66	-	18.17	0.00	3,488.49
MW - 10	*11/04/10*	3,506.66	-	18.16	0.00	3,488.50
MW - 10	*02/09/11*	3,506.66	-	18.16	0.00	3,488.50

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains EMS #2002-10286

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 10	*05/03/11*	3,506.66	-	18.13	0.00	3,488.53
MW - 10	05/19/11	3,506.66	-	18.70	0.00	3,487.96
MW - 10	05/25/11	3,506.66	-	18.78	0.00	3,487.88
MW - 10	06/06/11	3,506.66	-	18.84	0.00	3,487.82
MW - 10	06/13/11	3,506.66	-	18.79	0.00	3,487.87
MW - 10	06/27/11	3,506.66	-	18.82	0.00	3,487.84
MW - 10	07/07/11	3,506.66	-	19.02	0.00	3,487.64
MW - 10	07/14/11	3,506.66	-	19.09	0.00	3,487.57
MW - 10	07/25/11	3,506.66		19.18	0.00	3,487.48
MW - 10	*08/02/11*	3,506.66		18.13	0.00	3,488.53
MW - 10	08/03/11	3,506.66		19.22	0.00	3,487.44
MW - 10	08/18/11	3,506.66		19.38	0.00	3,487.28
MW - 10	08/24/11	3,506.66		19.47	0.00	3,487.19
MW - 10	08/29/11	3,506.66		19.30	0.00	3,487.36
MW - 10	09/07/11	3,506.66	odor	19.38	0.00	3,487.28
MW - 10	09/14/11	3,506.66		19.38	0.00	3,487.28
MW - 10	10/26/11	3,506.66		19.38	0.00	3,487.28
MW - 10	*11/21/11*	3,506.66		19.30	0.00	3,487.36
MW - 11	*08/22/07*		-	20.71	0.00	
MW - 11	*11/29/07*		-	20.35	0.00	
MW - 11	02/26/08		-	20.24	0.00	
MW - 11	*05/22/08*		-	20.17	0.00	
MW - 11	*08/28/08*		-	20.85	0.00	
MW - 11	*11/20/08*		-	20.51	0.00	
MW - 11	*02/16/09*		-	20.36	0.00	
MW - 11	*05/29/09*		-	20.46	0.00	
MW - 11	*08/06/09*		-	20.83	0.00	
MW - 11	*11/10/09*		-	21.14	0.00	
MW - 11	01/05/10		-	21.05	0.00	
MW - 11	*02/04/10*		-	20.98	0.00	
MW - 11	*05/06/10*		-	21.06	0.00	
MW - 11	*08/05/10*		-	21.12	0.00	
MW - 11	*11/04/10*		-	21.15	0.00	
MW - 11	*02/09/11*		-	21.15	0.00	
MW - 11	*05/03/11*		-	21.15	0.00	
MW - 11	*08/02/11*		-	21.12	0.00	
MW - 11	*11/21/11*		-	21.27	0.00	

* Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness).

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 1	02/27/03	0.0018	0.11	**0.8760**	0.7560	
MW - 1	05/05/04	**1.070**	0.00492	0.5830	0.2324	
MW - 1	07/26/04	**1.260**	0.00236	**0.8980**	0.5995	
MW - 1	10/04/04	**1.090**	0.00243	**0.7850**	0.5090	
MW - 1	12/17/04	**2.960**	0.00777	**1.520**	0.8910	
MW - 1	03/29/05	**2.720**	<0.005	**1.880**	0.3314	
MW - 1	05/11/05	**2.030**	<0.005	**1.780**	0.2630	
MW - 1	08/16/05	**3.290**	<0.005	**2.390**	0.4910	
MW - 1	11/15/05	**1.240**	<0.001	**1.340**	0.1140	
MW - 1	02/15/06	**1.390**	<0.001	**1.290**	<0.002	
MW - 1	05/23/06	**1.720**	0.00294	**1.530**	0.3379	
MW - 1	08/09/06	**1.090**	<0.01	0.694	0.1220	
MW - 1	11/27/06	**1.000**	<0.01	0.733	0.1250	
MW - 1	03/20/07	**0.720**	<0.01	0.730	0.118	
MW - 1	06/04/07	**0.346**	<0.05	0.568	<0.05	
MW - 1	08/22/07	**0.819**	<0.05	1.040	0.197	
MW - 1	11/29/07	**0.803**	0.0109	0.977	0.230	
MW - 1	02/26/08	**0.870**	<0.01	0.770	0.195	
MW - 1	05/22/08	**0.463**	<0.0100	0.485	0.102	
MW - 1	08/28/08	**0.504**	<0.005	0.490	0.113	
MW - 1	11/20/08	**0.585**	<0.005	0.468	0.142	
MW - 1	02/16/09	**0.303**	<0.005	0.216	0.0463	
MW - 1	05/29/09	**0.421**	<0.001	0.444	0.1640	
MW - 1	08/06/09	**0.304**	<0.001	0.283	0.1030	
MW - 1	11/10/09	**0.307**	<0.005	0.262	0.0896	
MW - 1	02/04/10	**0.248**	<0.005	0.298	0.1120	
MW - 1	05/06/10	**0.364**	<0.005	0.236	0.0995	
MW - 1	08/05/10	**0.253**	<0.050	0.125	<0.0500	
MW - 1	11/04/10	**0.551**	<0.050	0.409	0.4640	
MW - 1	02/09/11	**0.967**	<0.0500	**1.170**	**1.2800**	
MW - 1	05/03/11	**0.833**	<0.0500	**0.970**	0.4070	
MW - 1	08/02/11	**0.940**	<0.0500	**0.963**	**1.1500**	
MW - 1	11/21/11	**0.282**	<0.005	**0.171**	**0.0934**	
MW - 2	02/27/03	**2.3900**	0.474	**0.8070**	**0.876**	
MW - 2	05/05/04	**3.4300**	0.0104	0.7460	0.32318	
MW - 2	07/26/04	**6.0200**	0.00342	**1.7400**	**0.9257**	
MW - 2	10/04/04	**2.3400**	<0.005	**1.3800**	0.261	
MW - 2	12/17/04	**1.8800**	<0.002	0.5740	0.16109	
MW - 2	03/29/05	**2.6600**	0.0273	**1.0800**	**0.656**	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 2	05/11/05	**1.0600**	0.00253	**0.8130**	0.0768	
MW - 2	08/16/05	**1.7400**	<0.002	**0.8700**	0.233	
MW - 2	11/15/05	**0.0668**	<0.001	0.0729	0.0113	
MW - 2	02/15/06	**0.0337**	<0.001	0.1470	0.0341	
MW - 2	05/23/06	**1.5300**	0.00229	0.3810	0.19861	
MW - 2	08/09/06	**1.4600**	<0.01	0.3260	0.178	
MW - 2	11/27/06	**0.3900**	<0.005	0.1060	0.0518	
MW - 2	03/20/07	**0.5600**	<0.001	0.7170	0.4480	
MW - 2	06/04/07	**<0.1**	<0.1	0.4620	<0.01	
MW - 2	08/22/07	**0.5200**	<0.05	0.4500	0.2160	
MW - 2	11/29/07	**0.3980**	<0.01	0.3160	0.1890	
MW - 2	02/26/08	**0.4080**	<0.01	0.1830	0.1500	
MW - 2	05/22/08	**0.1540**	<0.010	0.1440	0.1240	
MW - 2	08/28/08	**0.1530**	<0.001	0.0899	0.0691	
MW - 2	11/20/08	**0.0546**	<0.005	0.0227	0.0220	
MW - 2	02/16/09	**0.0240**	<0.005	<0.005	<0.005	
MW - 2	05/29/09	**0.2830**	<0.001	0.272	0.1640	
MW - 2	08/06/09	**0.4170**	0.0038	0.184	0.1710	
MW - 2	11/10/09	**0.3050**	0.0013	0.0978	0.0867	
MW - 2	02/04/10	**0.3070**	<0.001	0.104	0.0867	
MW - 2	05/06/10	**0.3610**	0.0025	0.0917	0.0930	
MW - 2	08/05/10	**0.3240**	<0.050	0.111	0.0762	
MW - 2	11/04/10	**0.5140**	<0.0500	0.258	<0.0500	
MW - 2	02/09/11	**1.0800**	<0.0500	0.671	**1.2500**	
MW - 2	05/03/11	**0.5340**	<0.0500	0.143	<0.0500	
MW - 2	08/02/11	**0.7760**	<0.0500	0.455	**0.9280**	
MW - 2	11/21/11	**0.2820**	<0.005	0.171	0.0934	
MW - 3	02/27/03	Not Sampled Due to PSH in Well				
MW - 3	05/05/04	0.0017	<0.001	<0.001	<0.002	
MW - 3	07/26/04	Not Sampled Due to PSH in Well				
MW - 3	10/04/04	**1.400**	0.421	0.7300	**0.9650**	
MW - 3	12/17/04	**2.510**	0.49	**0.9720**	**0.6376**	
MW - 3	03/29/05	**6.980**	0.729	**1.3700**	**0.8300**	
MW - 3	05/11/05	Not Sampled Due to PSH in Well				
MW - 3	08/16/05	**1.260**	0.101	0.4700	0.2875	
MW - 3	11/15/05	**1.880**	0.0327	**0.8420**	0.2322	
MW - 3	02/15/06	**1.600**	0.0265	0.7150	0.2420	
MW - 3	05/23/06	**3.600**	<0.1	0.7030	0.4920	
MW - 3	08/09/06	Not Sampled				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 3	11/27/06	**1.470**	0.0273	0.4740	0.3100	
MW - 3	03/20/07	**5.880**	<.5	**7.0500**	**3.93**	
MW - 3	06/04/07	**<0.5**	<0.5	<0.5	<0.5	
MW - 3	08/22/07	Not Sampled Due to PSH in Well				
MW - 3	11/29/07	**1.010**	0.0205	0.6700	0.2470	
MW - 3	02/26/08	**1.170**	0.0298	0.5820	0.2080	
MW - 3	05/22/08	**1.280**	0.0156	0.4470	0.1500	
MW - 3	11/20/08	**0.948**	<0.005	0.3810	0.1180	
MW - 3	02/16/09	**0.522**	<0.005	0.2880	0.0654	
MW - 3	05/29/09	**4.010**	0.1222	3.3800	2.6200	
MW - 3	08/06/09	**0.645**	<0.0200	0.4330	0.3120	
MW - 3	11/10/09	**0.779**	<0.0200	0.2060	0.0529	
MW - 3	02/04/10	**0.323**	<0.0200	0.1100	0.0896	
MW - 3	05/06/10	**0.259**	<0.0100	0.0319	0.0545	
MW - 3	08/05/10	**0.289**	0.005	0.0611	0.0414	
MW - 3	11/04/10	**0.290**	0.0049	0.1550	0.0297	
MW - 3	02/09/11	**0.413**	0.0099	0.2150	<0.00100	
MW - 3	05/03/11	**0.425**	0.0029	0.1230	0.0297	
MW - 3	08/02/11	**0.378**	0.0082	0.1580	0.0453	
MW - 3	11/21/11	**0.110**	<0.005	0.0381	<0.005	
MW - 4	05/25/04	0.0017	0.00101	0.4070	0.4580	
MW - 4	07/26/04	0.0021	<0.001	0.4470	0.0936	
MW - 4	10/04/04	<0.001	<0.001	0.0934	0.0050	
MW - 4	12/17/04	0.0039	<0.001	0.1090	<0.002	
MW - 4	03/29/05	0.0026	<0.001	0.0592	0.0027	
MW - 4	05/11/05	<0.001	<0.001	0.0461	<0.002	
MW - 4	08/16/05	<0.001	<0.001	0.0325	<0.002	
MW - 4	11/15/05	<0.001	<0.001	0.0048	<0.002	
MW - 4	02/15/06	<0.001	<0.001	<0.001	<0.002	
MW - 4	05/23/06	Not Sampled on Current Sample Schedule				
MW - 4	08/09/06	Not Sampled on Current Sample Schedule				
MW - 4	11/27/06	Not Sampled on Current Sample Schedule				
MW - 4	03/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	06/04/07	Not Sampled on Current Sample Schedule				
MW - 4	08/22/07	Not Sampled on Current Sample Schedule				
MW - 4	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 4	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/16/09	Not Sampled on Current Sample Schedule				
MW - 4	05/29/09	<0.001	<0.001	0.0069	0.0084	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		**0.01 (mg/L)**	**0.75 (mg/L)**	**0.75 (mg/L)**	**0.62 (mg/L)**	
MW - 4	08/06/09	Not Sampled on Current Sample Schedule				
MW - 4	11/10/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/04/10	Not Sampled on Current Sample Schedule				
MW - 4	05/06/10	Not Sampled on Current Sample Schedule				
MW - 4	08/05/10	Not Sampled on Current Sample Schedule				
MW - 4	11/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/09/11	Not Sampled on Current Sample Schedule				
MW - 4	05/03/11	Not Sampled on Current Sample Schedule				
MW - 4	08/02/11	Not Sampled on Current Sample Schedule				
MW - 4	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/25/04	**0.1780**	0.0209	0.6540	0.6390	
MW - 5	07/26/04	**0.0934**	0.00204	0.4840	0.1143	
MW - 5	10/04/04	**0.0692**	<0.001	0.1990	0.0286	
MW - 5	12/17/04	**0.1400**	<0.001	0.2280	0.0090	
MW - 5	03/29/05	**0.0381**	<0.001	0.1250	0.0067	
MW - 5	05/11/05	**0.0250**	<0.001	0.1190	<0.002	
MW - 5	08/16/05	**0.0600**	<0.001	0.0341	0.0030	
MW - 5	11/15/05	**0.0106**	<0.001	0.0376	<0.002	
MW - 5	02/15/06	**0.0121**	<0.001	0.0341	<0.002	
MW - 5	05/23/06	0.0095	<0.001	0.0105	<0.002	
MW - 5	08/09/06	**0.0285**	<0.001	0.0034	0.0030	
MW - 5	11/27/06	**0.0371**	0.0016	0.0048	0.0042	
MW - 5	03/20/07	0.0063	<0.001	0.0195	<0.001	
MW - 5	06/04/07	0.0065	<0.001	0.0200	<0.001	
MW - 5	08/22/07	0.0057	<0.001	0.0079	<0.001	
MW - 5	11/29/07	**0.0176**	0.0016	0.0273	0.0212	
MW - 5	02/26/08	**0.0112**	<0.001	0.0225	<0.001	
MW - 5	05/22/08	0.0053	<0.001	0.0098	0.0018	
MW - 5	08/28/08	**0.0189**	<0.001	0.0098	0.0021	
MW - 5	11/20/08	**0.0282**	<0.001	0.0106	0.0206	
MW - 5	02/16/09	0.0096	<0.005	0.0090	<0.005	
MW - 5	05/29/09	**0.0133**	<0.001	0.0065	0.0090	
MW - 5	08/06/09	**0.0229**	<0.001	0.0083	<0.001	
MW - 5	11/10/09	**0.0231**	<0.001	0.0016	0.0017	
MW - 5	02/04/10	**0.0245**	<0.001	0.0026	0.0042	
MW - 5	05/06/10	**0.0267**	<0.001	<0.001	<0.001	
MW - 5	08/05/10	**0.0358**	<0.001	0.0149	0.0057	
MW - 5	11/04/10	**0.0223**	<0.001	0.0206	0.0109	
MW - 5	02/09/11	**0.0966**	<0.001	0.3440	0.0325	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 5	05/03/11	**0.0849**	<0.001	0.0085	0.0130	
MW - 5	08/02/11	**0.1010**	<0.001	0.0686	0.0371	
MW - 5	11/21/11	**0.2520**	<0.001	0.0204	<0.001	
MW - 6	05/25/04	**0.6410**	0.00533	0.1610	0.2007	
MW - 6	07/26/04	**0.0998**	<0.001	0.0754	0.0023	
MW - 6	10/04/04	**0.0332**	<0.001	0.0618	0.0034	
MW - 6	12/17/04	<0.001	<0.001	0.0012	<0.002	
MW - 6	03/29/05	<0.001	<0.001	<0.001	<0.002	
MW - 6	05/11/05	<0.001	<0.001	<0.001	<0.002	
MW - 6	08/16/05	0.0054	<0.001	<0.001	<0.002	
MW - 6	11/15/05	0.0011	<0.001	0.0022	<0.002	
MW - 6	02/15/06	<0.001	<0.001	0.0021	<0.002	
MW - 6	05/23/06	<0.001	<0.001	<0.001	<0.002	
MW - 6	08/09/06	<0.001	<0.001	<0.001	<0.002	
MW - 6	11/27/06	0.0011	<0.001	<0.001	<0.002	
MW - 6	03/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	06/04/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 6	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/16/09	Not Sampled on Current Sample Schedule				
MW - 6	05/29/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/10/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/06/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/05/10	0.0014	<0.001	<0.001	<0.001	
MW - 6	11/04/10	0.0066	<0.001	<0.001	<0.001	
MW - 6	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	05/25/04	**1.840**	0.0267	**0.813**	0.4980	
MW - 7	07/26/04	**2.110**	0.608	**1.180**	2.0750	
MW - 7	10/04/04	**1.940**	<0.002	**0.830**	0.6310	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 7	12/17/04	**3.260**	<0.005	0.604	0.4841	
MW - 7	03/29/05	**3.270**	<0.005	**0.889**	0.7090	
MW - 7	05/11/05	**1.470**	<0.002	**0.759**	0.4970	
MW - 7	08/16/05	**2.710**	<0.005	**1.050**	0.8720	
MW - 7	11/15/05	**0.995**	<0.001	0.540	0.3120	
MW - 7	02/15/06	**1.010**	<0.001	0.552	0.3710	
MW - 7	05/23/06	**1.030**	<0.001	0.483	0.2892	
MW - 7	08/09/06	**2.040**	0.001	**1.070**	0.8706	
MW - 7	11/27/06	**2.250**	<0.01	**1.130**	0.8610	
MW - 7	03/20/07	**0.836**	<0.10	**0.804**	0.9400	
MW - 7	06/04/07	**1.040**	<0.1	0.702	0.3070	
MW - 7	08/22/07	**1.290**	<0.05	**0.790**	0.2750	
MW - 7	11/29/07	**1.470**	<0.02	**0.984**	0.3930	
MW - 7	02/26/08	**1.060**	<0.01	0.704	0.2640	
MW - 7	05/22/08	**1.060**	<0.0100	0.683	0.2680	
MW - 7	08/28/08	**1.100**	<0.0100	0.672	0.2700	
MW - 7	11/20/08	**1.180**	<0.0100	0.690	0.2930	
MW - 7	02/16/09	**0.672**	<0.0100	0.355	0.1070	
MW - 7	05/29/09	**1.290**	<0.0100	0.717	0.3610	
MW - 7	08/06/09	**1.380**	0.0423	0.752	0.4740	
MW - 7	11/10/09	**0.925**	<0.010	0.458	0.2590	
MW - 7	02/04/10	**0.994**	<0.010	0.505	0.3280	
MW - 7	05/06/10	**0.849**	<0.010	0.393	0.2610	
MW - 7	08/05/10	**0.608**	<0.0500	0.287	0.1720	
MW - 7	11/04/10	**0.975**	<0.001	0.499	0.6050	
MW - 7	02/09/11	**0.877**	<0.0100	0.410	0.3910	
MW - 7	05/03/11	**1.130**	<0.0500	0.383	0.2370	
MW - 7	08/02/11	**0.616**	<0.0500	0.337	0.8970	
MW - 7	11/21/11	**0.512**	<0.005	0.187	0.1600	
MW - 8	03/22/06	0.0079	0.00399	0.0173	0.0187	
MW - 8	05/23/06	<0.001	<0.001	0.0129	<0.002	
MW - 8	08/09/06	<0.001	<0.001	0.0220	<0.002	
MW - 8	11/27/06	<0.001	<0.001	0.0131	<0.002	
MW - 8	03/20/07	<0.001	<0.001	0.0121	<0.001	
MW - 8	06/04/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 8	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/22/08	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 8	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/16/09	Not Sampled on Current Sample Schedule				
MW - 8	05/29/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/06/09	Not Sampled on Current Sample Schedule				
MW - 8	11/10/09	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/06/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/21/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	03/22/06	0.0024	0.00238	0.0033	0.0060	
MW - 9	05/23/06	0.0074	<0.001	0.0157	0.0085	
MW - 9	08/09/06	<0.001	<0.001	<0.001	<0.002	
MW - 9	11/27/06	<0.001	<0.001	<0.001	<0.002	
MW - 9	03/20/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	06/04/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 9	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/16/09	Not Sampled on Current Sample Schedule				
MW - 9	05/29/09	0.0035	0.003	<0.001	<0.001	
MW - 9	08/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/10/09	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/06/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/03/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/02/11	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/21/11	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
NMOCD Reference Number 1R-0386

Sample Location	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	m,p-Xylenes (mg/L)	o-Xylene (mg/L)
NMOCD Regulatory Limit		0.01 (mg/L)	0.75 (mg/L)	0.75 (mg/L)	0.62 (mg/L)	
MW - 10	03/22/06	**1.7400**	0.204	2.0900	0.5970	
MW - 10	05/23/06	**0.0686**	<0.001	0.0829	0.0224	
MW - 10	08/09/06	**0.0957**	0.0106	0.6010	0.3670	
MW - 10	11/27/06	**0.0205**	<0.001	0.0232	0.0026	
MW - 10	03/20/07	**1.1000**	<0.001	0.0777	0.0072	
MW - 10	06/04/07	**0.0940**	<0.001	0.1650	0.0425	
MW - 10	08/22/07	**0.0937**	<0.001	0.0877	0.0163	
MW - 10	11/29/07	**0.0432**	<0.001	0.0266	0.0066	
MW - 10	02/26/08	**0.0840**	0.002	0.1710	0.0572	
MW - 10	05/22/08	**0.0536**	0.001	0.1160	0.0389	
MW - 10	08/28/08	**0.0302**	<0.001	0.0261	0.0079	
MW - 10	11/20/08	**0.0554**	<0.001	0.1120	0.0395	
MW - 10	02/16/09	**0.0917**	<0.001	0.0812	0.0256	
MW - 10	05/29/09	**0.1420**	<0.001	0.0920	0.0407	
MW - 10	08/06/09	**0.0944**	<0.001	0.0255	0.0181	
MW - 10	11/10/09	**0.0272**	<0.001	0.0058	0.0019	
MW - 10	02/04/10	**0.2200**	<0.001	0.0644	0.0223	
MW - 10	05/06/10	**0.1650**	<0.001	0.1720	0.0611	
MW - 10	08/05/10	**0.0152**	<0.001	0.0116	0.0062	
MW - 10	11/04/10	**0.0398**	<0.001	0.1030	0.0361	
MW - 10	02/09/11	**0.0334**	<0.001	0.0566	0.0321	
MW - 10	05/03/11	**0.0265**	<0.001	0.0108	0.0034	
MW - 10	08/02/11	**0.1340**	<0.001	0.0136	0.0193	
MW - 10	11/21/11	**0.2520**	<0.001	0.0204	<0.001	
MW - 11	08/22/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/29/07	<0.005	<0.005	<0.005	<0.005	
MW - 11	02/26/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	05/22/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	08/27/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/20/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/16/09	Not Sampled on Current Sample Schedule				
MW - 11	05/29/09	<0.001	<0.001	0.0042	<0.001	
MW - 11	08/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 11	11/10/09	<0.001	<0.001	<0.001	<0.001	

Preview/Print Permit

Administrative Applications/Orders

Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pLR0401528214	Central Tank Battery	539	0		Order	02/10/2004	Reviewe
Applicant	BRECK OPERATING CORP		Rcvd	01/14/2004	Exp		Distric
Contact	Paul C. Thompson		Suspn	02/02/2004	Cancl		IssuingOf
Notes			Addl CC:				

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
BASIN FRUITLAND COAL (GAS)	0.00%	0.00%		

Well Specific and Technical Data

Allocate By	well	Allocate Method	well test	REMARKS
Measure Location				
Deliver Location				
Store Location				

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

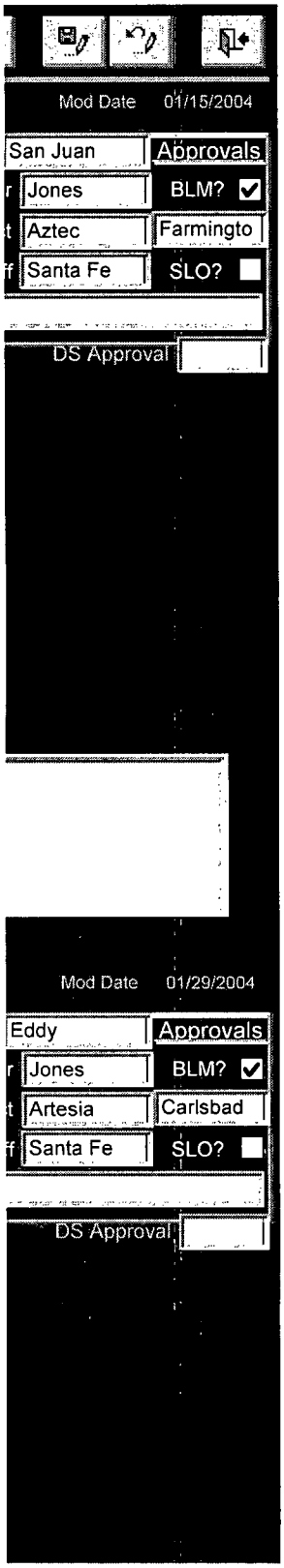
Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pLR0402950411	Central Tank Battery	540	0		Order	02/29/2004	Reviewe
Applicant	MARATHON OIL COMPANY		Rcvd	01/29/2004	Exp		Distric
Contact	Charles Kendrix		Suspn	02/17/2004	Cancl		IssuingOf
Notes			Addl CC:				

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
BURTON FLAT;MORROW (PRO GAS)	0.00%	0.00%		

Well Specific and Technical Data


Mod Date 01/15/2004
San Juan
Approvals
Jones
BLM?
Aztec
Farmingto
Santa Fe
SLO?
DS Approval
Mod Date 01/29/2004
Eddy
Approvals
Jones
BLM?
Artesia
Carlsbad
Santa Fe
SLO?
DS Approval

Allocate By	well	Allocate Method	separately metering	REMARKS
Measure Location				
Deliver Location				
Store Location				

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pLR0404127968	Central Tank Battery	535	B		Order	03/11/2004	Reviewe
Applicant	SOUTHWESTERN ENERGY PRODUCTION COMPANY			Rcvd	02/09/2004	Exp	Distric
Contact	Vonnie J. Cermin			Suspn	03/01/2004	Cancl	IssuingOf
Notes				Addl CC:			

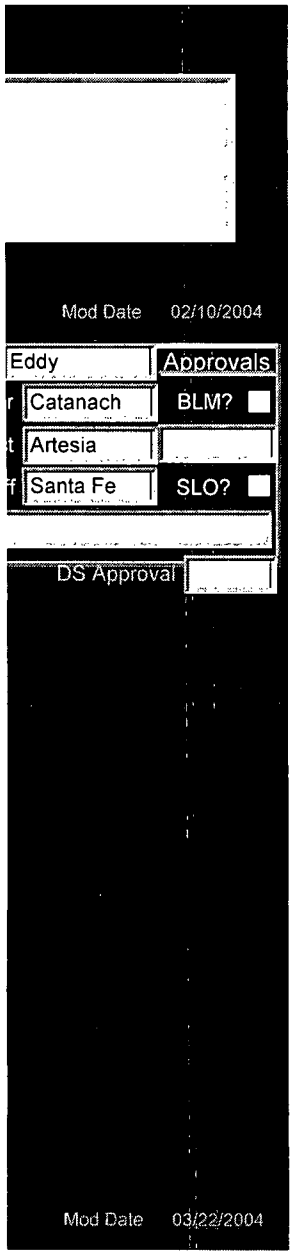
Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
WILLOW LAKE; DELAWARE, SW	0.00%	0.00%		

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data


Mod Date 02/10/2004
Eddy
Approvals
Catanach
BLM?
Artesia
Santa Fe
SLO?
DS Approval
Mod Date 03/22/2004

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pLR0408227405	Central Tank Battery	543			Order	04/14/2004	Reviewe
Applicant	CHEVRONTEXACO			Rcvd	03/19/2004	Exp	Distric
Contact	Carolyn Haynie			Suspn	04/07/2004	Cancl	IssuingOf
Notes				Addl CC:			

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
FREN; GLORIETA-YESO	0.00%	0.00%		

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

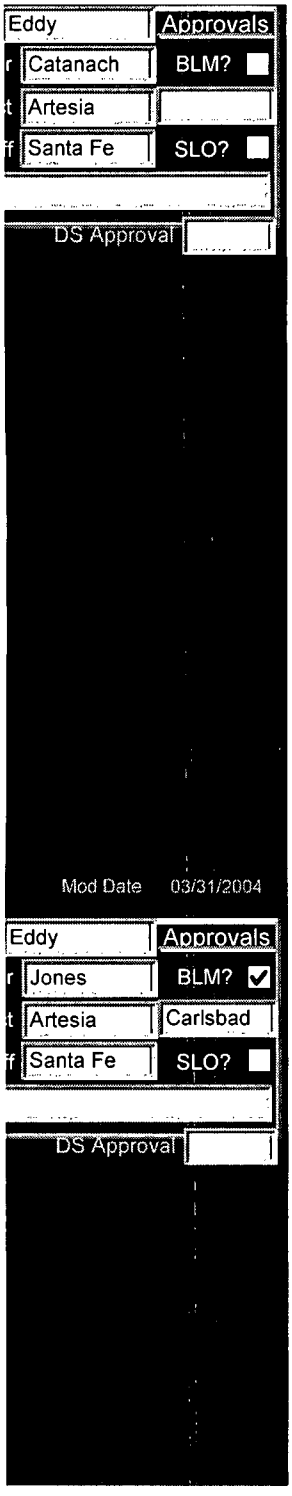
Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pLR0409133702	Central Tank Battery	544	0		Order	04/27/2004	Reviewe
Applicant	CHEVRONTEXACO			Rcvd	03/19/2004	Exp	Distric
Contact	Carolyn Haynie			Suspn	04/08/2004	Cancl	IssuingOf
Notes				Addl CC:			

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
FREN; GLORIETA-YESO	0.00%	0.00%		

Well Specific and Technical Data


Eddy
Approvals
Catanach
BLM?
Artesia
Santa Fe
SLO?
DS Approval
Mod Date 03/31/2004
Eddy
Approvals
Jones
BLM?
Artesia
Carlsbad
Santa Fe
SLO?
DS Approval

Allocate By	lease	Allocate Method	separately metering	REMARKS
Measure Location				
Deliver Location				
Store Location				

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data

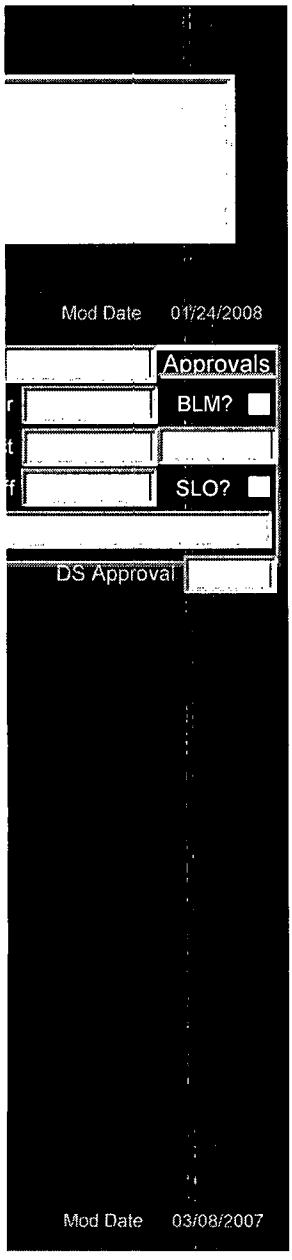
Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pRE0802451184	Central Tank Battery		0		Order		Reviewe
Applicant				Rcvd	Exp		Distric
Contact				Suspn	Cancl		IssuingOf
Notes				Addl CC:			

Permit Level Actions and/or Data

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data


Mod Date 01/24/2008
Approvals
BLM?
SLO?
DS Approval
Mod Date 03/08/2007

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCLP0706746052	Central Tank Battery	567			Order	04/10/2007	Reviewe
Applicant	OXY USA WTP LIMITED PARTNERSHIP		Rcvd	03/08/2007	Exp		Distric
Contact	David Stewart- Sr. Regulatory Analyst		Suspn	03/28/2007	Cancl		IssuingOf
Notes			Addl CC:				

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
BURTON FLAT; WOLFCAMP, NORTH (GAS)	0.00%	0.00%		

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

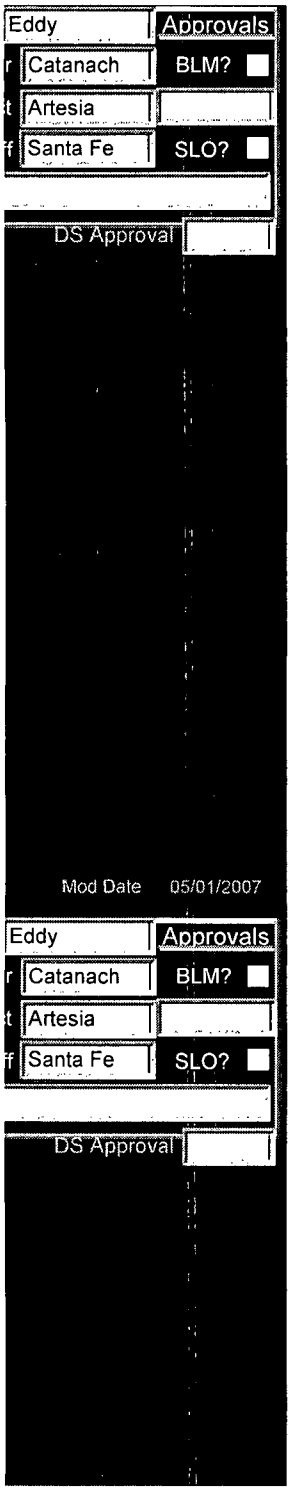
Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCLP0712141732	Central Tank Battery				Order		Reviewe
Applicant	POGO PRODUCING COMPANY		Rcvd	04/30/2007	Exp		Distric
Contact	Ann E. Ritchie - Regulatory Agent		Suspn	05/21/2007	Cancl	08/13/2007	IssuingOf
Notes			Addl CC:				

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
LOST TANK; DELAWARE, WEST	0.00%	0.00%		
LOST TANK; WOLFCAMP	0.00%	0.00%		

Well Specific and Technical Data


Eddy
Approvals
Catanach
BLM?
Artesia
Santa Fe
SLO?
DS Approval
Mod Date 05/01/2007
Eddy
Approvals
Catanach
BLM?
Artesia
Santa Fe
SLO?
DS Approval

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCLP0713434994	Central Tank Battery	528	A		Order	05/31/2007	Reviewe
Applicant	COLEMAN OIL & GAS INC		Rcvd	05/11/2007	Exp		Distric
Contact	Bryan Lewis		Suspn	05/31/2007	Cancl		IssuingOf
Notes			Addl CC:				

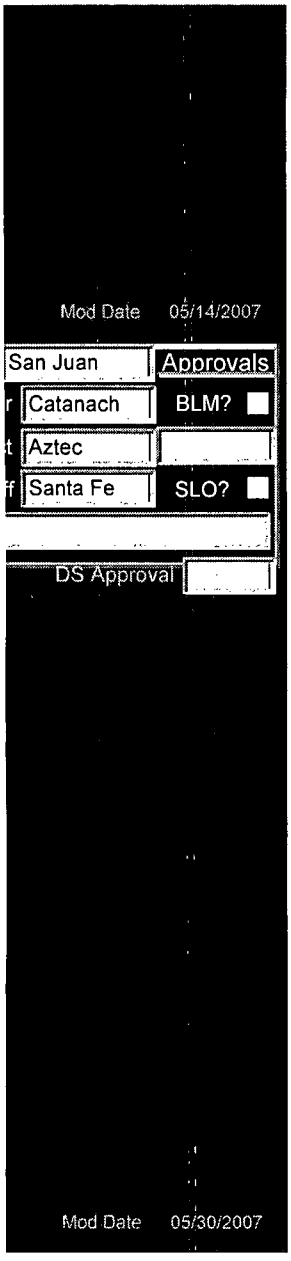
Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
BASIN FRUITLAND COAL (GAS)	0.00%	0.00%		

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data


Mod Date 05/14/2007
San Juan
Approvals
Catanach
BLM?
Aztec
Santa Fe
SLO?
DS Approval
Mod Date 05/30/2007

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCLP0715053476	Central Tank Battery				Order		Reviewe
Applicant	POGO PRODUCING (SAN JUAN) COMPANY			Rcvd	05/22/2007	Exp	Distric
Contact	Ann Ritchie			Suspn	06/11/2007	Cancl 07/06/2007	IssuingOf
Notes				Addl CC:			

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
BASIN FRUITLAND COAL (GAS)	0.00%	0.00%		

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

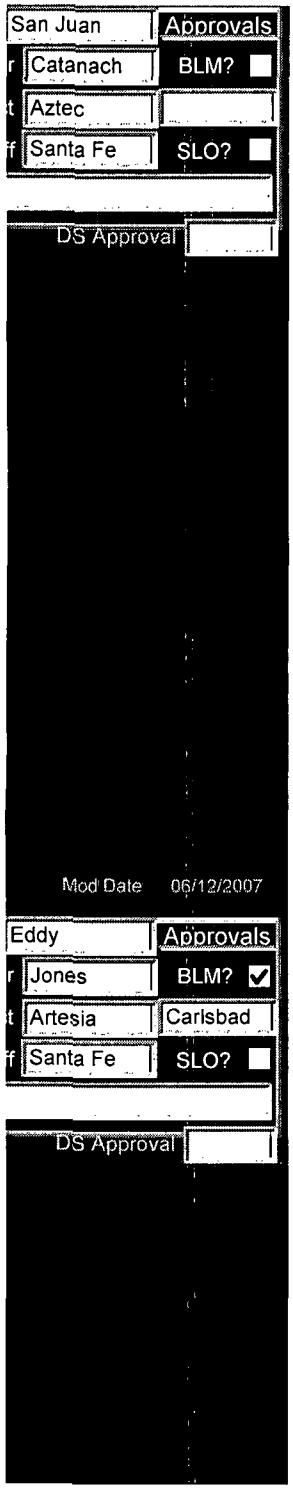
Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCLP0716338210	Central Tank Battery		0		Order		Reviewe
Applicant	DEVON ENERGY PRODUCTION COMPANY, LP			Rcvd	06/15/2007	Exp	Distric
Contact	Stephanie Ysasaga			Suspn		Cancl 06/29/2007	IssuingOf
Notes	Denied and will be set to hearing			Addl CC:			

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
HACKEBERRY; BONE SPRING, NORTH	0.00%	0.00%		

Well Specific and Technical Data


San Juan
Approvals
Catanach
BLM?
Aztec
Santa Fe
SLO?
DS Approval
Mod Date 06/12/2007
Eddy
Approvals
Jones
BLM?
Artesia
Carlsbad
Santa Fe
SLO?
DS Approval

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCTB0000012002	Central Tank Battery		0		Order	07/06/1955	Reviewe
Applicant	GULF OIL CORP		Rcvd	06/06/1955	Exp		Distric
Contact			Suspn		Cancl		IssuingO
Notes			Addl CC:				

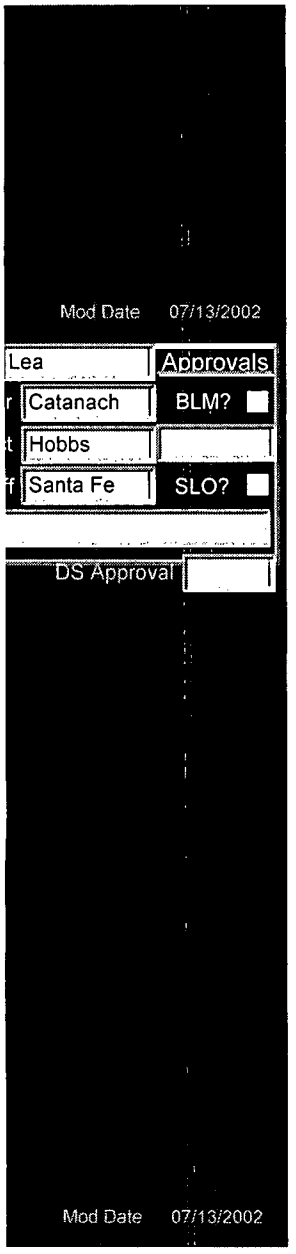
Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
LOVINGTON;PADDOCK	0.00%	0.00%		Statewide Rules Oil 4

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

Basic Application and Log-In Data


Mod Date 07/13/2002
Lea
Approvals
Catanach
BLM?
Hobbs
Santa Fe
SLO?
DS Approval
Mod Date 07/13/2002

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCTB0000022002	Central Tank Battery	2	0		Order	08/05/1955	Reviewe
Applicant	LEONARD NICHOLS		Rcvd	08/03/1955	Exp		Distric
Contact			Suspn		Cancl		IssuingOf
Notes	STATE # A-1 & A-2		Addl CC:				

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
PRE-ONGARD POOL, PLUGGED WELLS	0.00%	0.00%		

Well Specific and Technical Data

Generate Administrative Application / Order Summary Reports from [REPORTS] / [PERMITS]

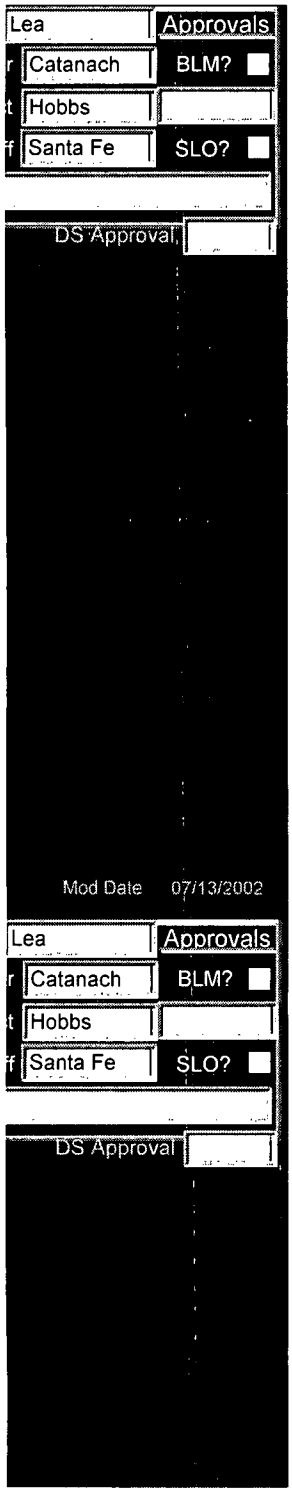
Basic Application and Log-In Data

Application No.	Application Type	Order No.	Amd #	R-Order No.	Processing Dates		County
pCTB0000032002	Central Tank Battery	3	0		Order	09/26/1955	Reviewe
Applicant	SHELL OIL CO		Rcvd	09/26/1955	Exp		Distric
Contact			Suspn		Cancl		IssuingOf
Notes	STATE TB LEASE & STATE TD		Addl CC:				

Permit Level Actions and/or Data

PoolNo	GasPrcnt	OilPrcnt	Notes	Pool Rules
TOWNSEND WOLFCAMP (CONSOLIDATED)*	0.00%	0.00%		DO NOT USE -PFK -

Well Specific and Technical Data


Lea
Approvals
Catanach
BLM?
Hobbs
Santa Fe
SLO?
DS Approval
Mod Date 07/13/2002
Lea
Approvals
Catanach
BLM?
Hobbs
Santa Fe
SLO?
DS Approval