1R-386

Plains
Junction 34 to Lea Station

Annual Report
2013

2013
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
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PREPARED BY:

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2057 Commerce
Midland, Texas 79703

March 2014

Nikki Green
Project Manager

Brittan K. Byerly, P.G.
President

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INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this 2013 Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on 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 2013. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2013 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were 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 (see Appendix A). 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) feet 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. During backfilling activities at the Release Site known as TNM 97-17 (EMS #: TNM 97-17), monitor well MW-11 was damaged during the 4th quarter of 2012.

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 amended by the NMOCD.

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

The site monitor wells were gauged and sampled on February 14, May 9, August 8, and November 21, 2013. 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 2013, are depicted on the Inferred Groundwater Gradient Map(s), Figures 2A-2D. Groundwater elevation data for 2013 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicates a general gradient of 0.005 feet/foot to the southeast.

LABORATORY RESULTS

Groundwater samples obtained during the quarterly sampling events of 2013 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis was conducted on monitor wells MW-1, MW-3, and MW-7 during 2013. 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 2013 are summarized in Table 2 and the historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2013 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.409 during the 1st quarter to 0.520 mg/L during the 3rd quarter of 2013. Benzene concentrations were above the NMOCD regulatory guidelines of 0.01 mg/L during the four quarters of the reporting period. Toluene concentrations were below the laboratory method detection limit (MDL) and NMOCD regulatory guidelines of 0.75 mg/L during the four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.496 mg/L during the 2nd quarter to 0.645 mg/L during the 3rd quarter of 2013. Ethylbenzene concentrations were below the NMOCD regulatory guidelines of 0.75 mg/L during the four quarters of the reporting period. Xylene concentrations ranged from 0.210 mg/L during the 1st quarter to 0.261 mg/L during the 3rd quarter of 2013. Xylene concentrations were below NMOCD regulatory guidelines of 0.62 mg/L during the four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0611 mg/L), 1-methylnaphthalene (0.0629 mg/L), and 2-methylnaphthalene (0.0436 mg/L).

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.224 mg/L during the 2nd quarter to 0.632 mg/L during the 3rd quarter of 2013. Benzene concentrations were above the NMOCD regulatory guidelines during the four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory guidelines during the four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.101 mg/L during the 2nd quarter to 0.241 mg/L during the 3rd quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the four quarters of the reporting period. Xylene concentrations ranged from 0.0644 mg/L during the 2nd quarter to 0.150 mg/L during the 3rd quarter of 2013. Xylene concentrations were below the NMOCD regulatory guidelines during the four 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 0.127 mg/L during the 2nd quarter to 0.352 mg/L during the 3rd quarter. Benzene concentrations were above the NMOCD regulatory guidelines during the four quarters of the reporting period. Toluene concentrations ranged from <0.00500 mg/L during the 1st, 2nd, and 3rd quarters to 0.00310 mg/L during the 4th quarter. Toluene concentrations were below NMOCD regulatory guidelines during the four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0652 mg/L during the 4th quarter to 0.718 mg/L during the 1st quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the four quarters of the reporting period. Xylene concentrations ranged from 0.0706 mg/L during the 3rd quarter to 0.255 mg/L during the 1st quarter of 2013. Xylene concentrations were below regulatory guidelines during the four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above

WQCC Drinking Water Standards for Indeno [1,2,3-cd] pyrene (0.0179 mg/L). Additional PAH constituents detected above MDLs include Benzo [g,h,i] perylene (0.0245 mg/L).

Monitor well MW-4 is sampled on an annual schedule. Analytical results indicate benzene, toluene, ethylbenzene and xylene concentrations were below the MDL and NMOCD regulatory guidelines during the 4th quarter of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter sampling event of 2004. 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 0.00890 mg/L during the 2nd quarter to 0.0245 mg/L during the 4th quarter. Benzene concentrations were below NMOCD regulatory guidelines during the 2nd quarter of the reporting period. Toluene and xylene concentrations were below the MDL and NMOCD regulatory guidelines during the four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.00500 mg/L during the 1st quarter to 0.0103 mg/L during the 2nd quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the 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 and analytical results indicate benzene concentrations ranged from <0.00100 mg/L during the 1st, 2nd, and 3rd quarters to 0.00170 mg/L during the 4th quarter. Benzene concentrations were below NMOCD regulatory guidelines during the four quarters of the reporting period. Toluene, ethylbenzene, and xylene concentrations were below the MDL and NMOCD regulatory guidelines during the four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 2nd quarter sampling event of 2009. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-7 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.449 mg/L during the 4th quarter to 0.610 mg/L during the 1st quarter. Benzene concentrations were above the NMOCD regulatory guidelines of 0.01 mg/L during the four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory guidelines of 0.75 mg/L during the four quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0190 mg/L during the 4th quarter to 0.290 mg/L during the 1st quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines of 0.75 mg/L during the four quarters of the reporting period. Xylene concentrations ranged from 0.0711 mg/L during the 4th quarter to 0.265 mg/L during the 1st quarter. Xylene concentrations were below the NMOCD regulatory guidelines of 0.62 mg/L during the four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for Indeno [1,2,3-cd]pyrene (0.00848 mg/L). Additional PAH constituents detected above MDLs included naphthalene (0.0217 mg/L).

Monitor well MW-8 is sampled on an annual schedule and analytical results indicate constituent concentrations were below the MDL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been

below NMOCD regulatory guidelines since the 1st quarter sampling event of 2006. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-9 is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory guidelines during the 4th quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter sampling event of 2006. 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 0.256 mg/L during the 1st and 2nd quarter to 0.362 mg/L during the 4th quarter. Benzene concentrations were above the NMOCD regulatory guidelines during the four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory guidelines during the four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.00500 mg/L during the 1st and 2nd quarters to 0.0719 mg/L during the 3rd quarter. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the four quarters of the reporting period. Xylene concentrations ranged from <0.00300 mg/L during the 4th quarter to 0.0226 mg/L during the 3rd quarter. Xylene concentrations were below the NMOCD regulatory guidelines during the 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. During backfill activities at the Plains TNM 97-17 Release Site, monitor well MW-11 was damaged during the 4th quarter of 2012 and became a dry monitor well during the 2nd quarter of 2013. As a result, MW-11 was only sampled during the 1st quarter of 2013. Analytical results indicate BTEX constituents concentrations were below the MDL and NMOCD regulatory guidelines during the 1st quarter of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter sampling event of 2007. 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 guidelines found in section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of monitoring activities for the 2013 annual monitoring period. Currently, there are eleven groundwater monitor wells (MW-1 through MW-11) on site. The most recent Inferred Groundwater Gradient Map, Figure 2D, indicates a general gradient of 0.005 feet/foot to the southeast.

During the reporting period, no measurable thickness of PSH was detected in 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 guidelines in five (5) of the eleven (11) 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 a fluctuating trend in constituent concentrations in monitor wells MW-1, MW-3, and MW-7.

For a better understanding of the dissolved phase plume delineation to the east, NOVA has included several monitor wells from the adjacent TNM 97-17 Site as Figure 4D to illustrate the most recent BTEX concentrations in groundwater immediately east of monitor wells MW-1, MW-5, MW-7, and MW-10. The up-gradient and westerly cross-gradient monitor wells at TNM 97-17 do not indicate the presence of BTEX constituents, indicating the two plumes are separated.

RECENT ACTIONS

During the 1st quarter of 2014, per the approval of NMOCD, Plains:

- Plugged and abandoned monitor well MW-11
- Installed a replacement monitor well (MW-11A) approximately ten (10) feet south of monitor well MW-11.
- Installed monitor well MW-12 approximately 100 feet west of monitor well MW-11A.

ANTICIPATED ACTIONS

Quarterly and annual monitoring and groundwater sampling will continue in 2014 with regard to sampling approval by the NMOCD. Gauging will continue on a monthly or quarterly schedule according to site conditions.

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 until changes are granted by the NMOCD.

A 2014 Annual Monitoring Report will be submitted to the NMOCD by April 1, 2015.

LIMITATIONS

NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals 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

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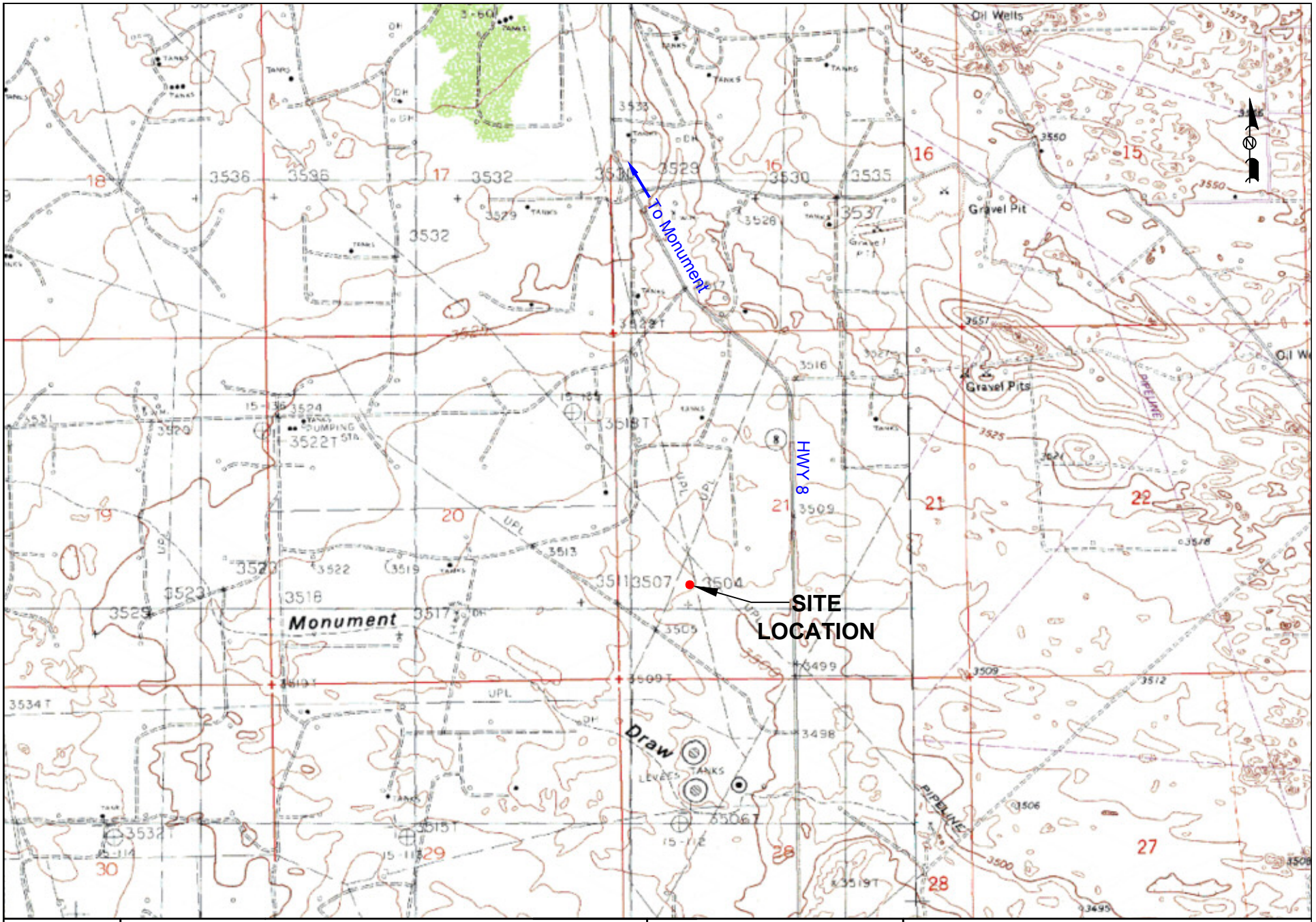

Legend:

Mapped edited and Published by the Geological Survey Control by USGS & USC & GS

Map Re-edited by Nova Safety and Environmental on April 18, 2013 for the purpose of Site Location Maps.

Fine red dashed lines indicate selected fence lines.

This map Complies with National Map Accuracy Standards

2000 1000 0 1000 2000

Distance in Feet

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

NMOCD Reference # 1R-0386

NOVA safety and environmental

2057 Commerce Drive
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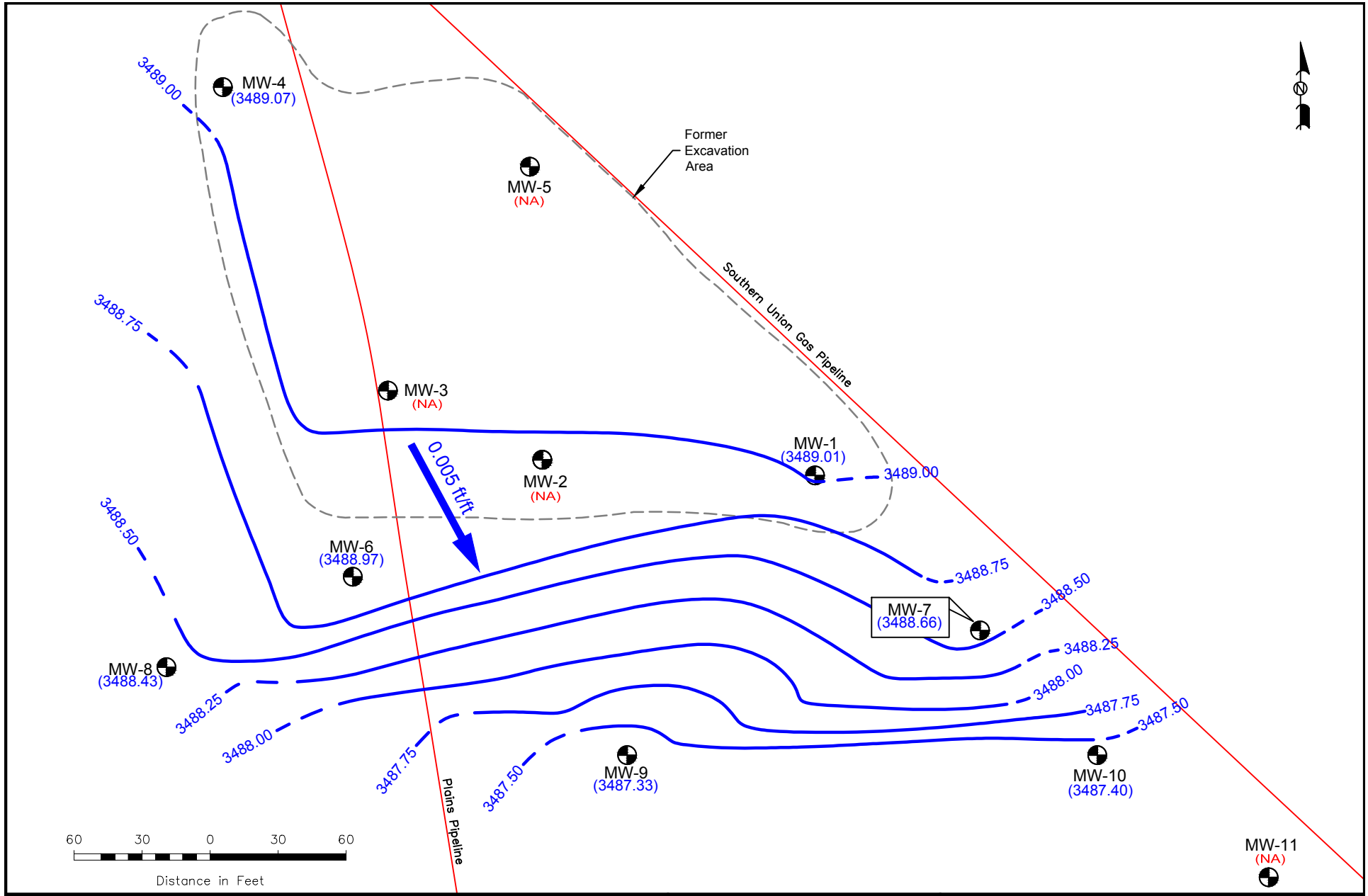
April 18, 2013	Scale: 1" - 2000'	CAD By: CAS	Checked By:

Lat. N 32° 33' 18.8" Long. W 103° 15' 39.7"



LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NA) Not Applicable

NOTE:

- Contour Interval = 0.25'
- MW-2, MW-3, MW-5, & MW-11 not used to construct gradient map.
- Groundwater Gradient Measured Between MW-4 and MW-9

Figure 2A
Inferred Groundwater Gradient Map
(2/14/2013)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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April 4, 2013	Scale: 1" = 60'	CAD By: CAS	Checked By: RKR

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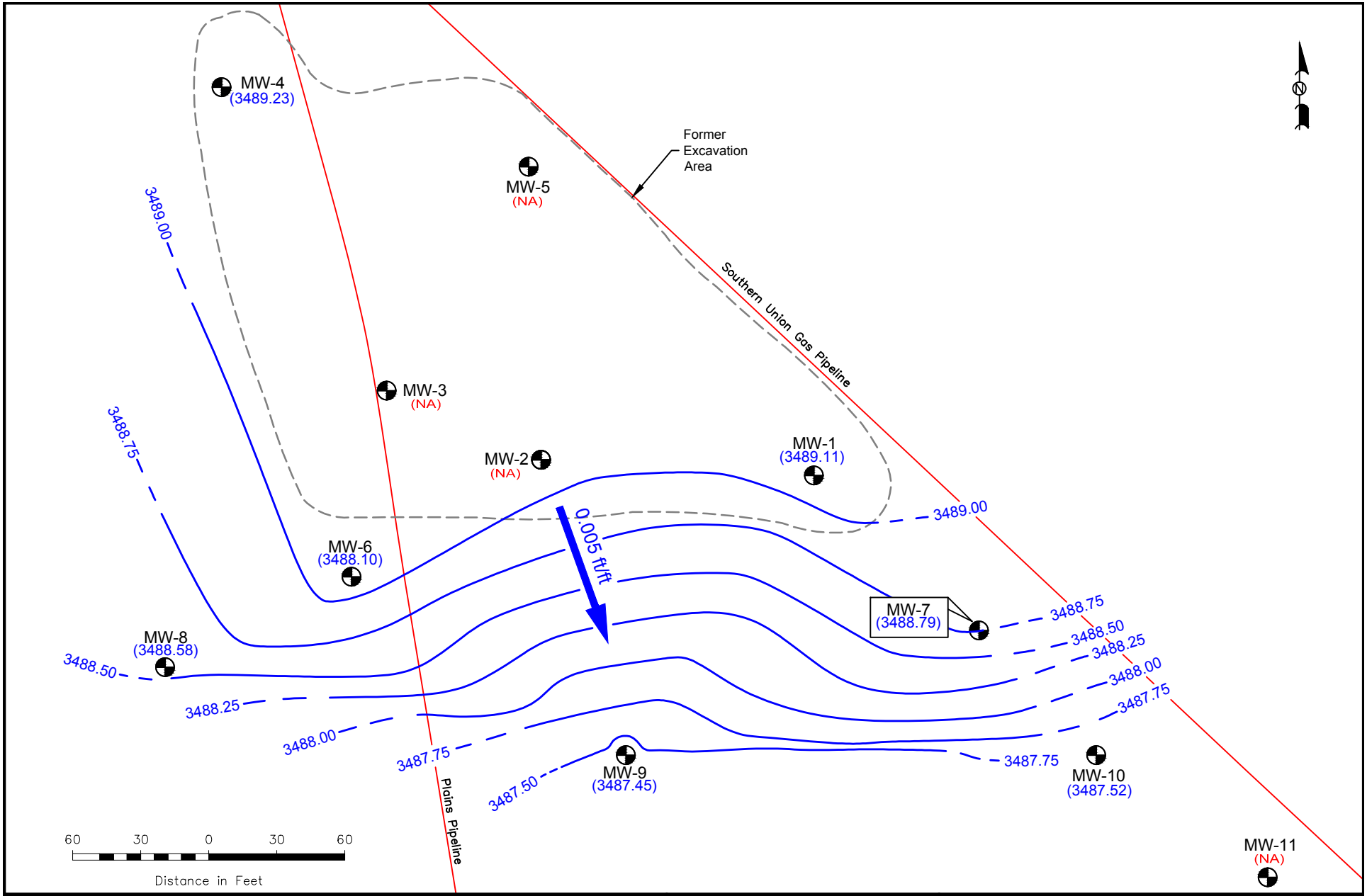

LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NA) Not Applicable

NOTE:

- Contour Interval = 0.25'
- MW-2, MW-3, MW-5, & MW-11 not used to construct gradient map.
- Groundwater Gradient Measured Between MW-4 and MW-9

Figure 2B
Inferred Groundwater Gradient Map
(5/9/2013)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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July 2, 2013	Scale: 1" = 60'	CAD By: CAS	Checked By: RKR

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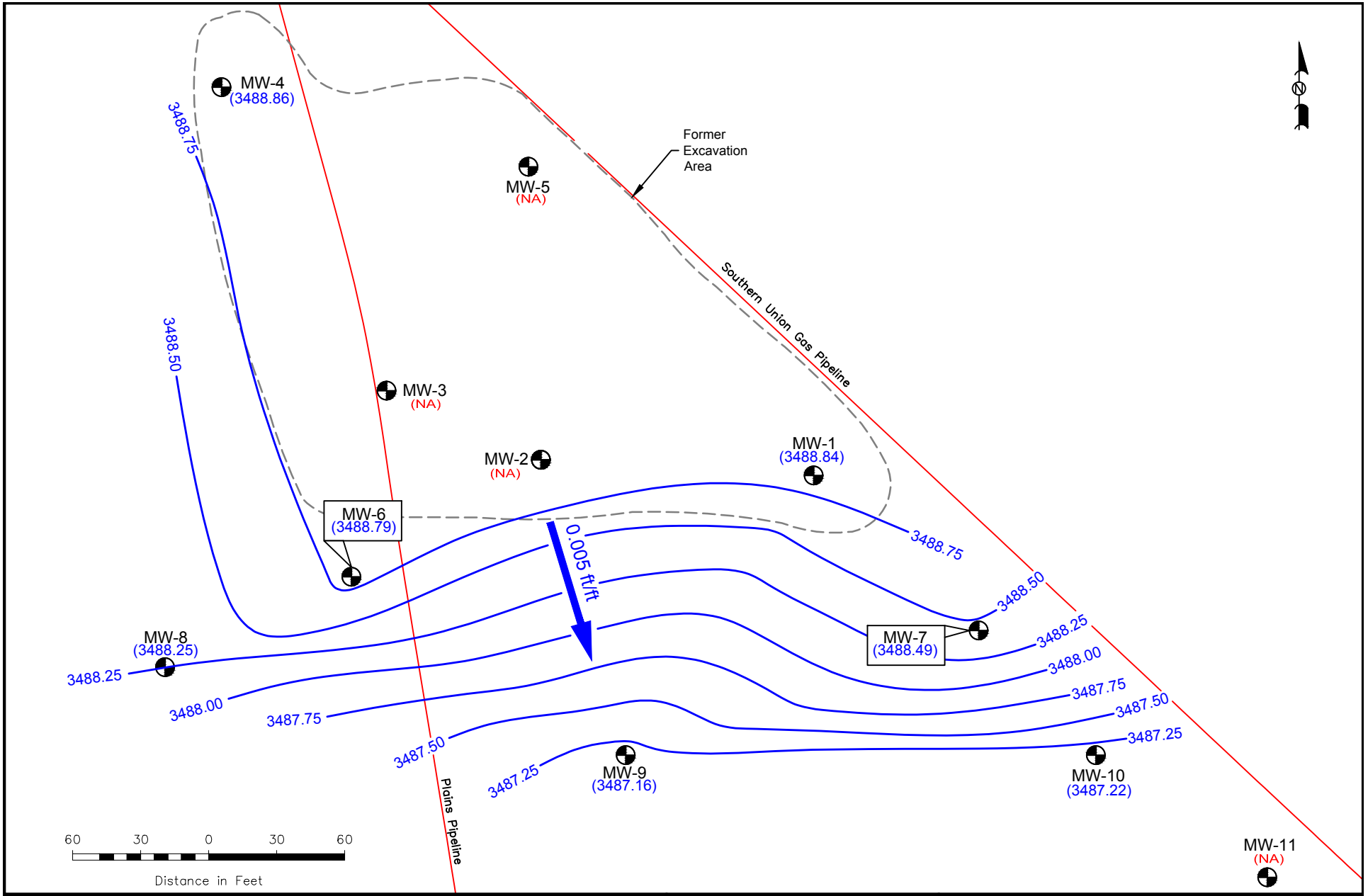

LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NA) Not Applicable

NOTE:

- Contour Interval = 0.25'
- MW-2, MW-3, MW-5, & MW-11 not used to construct gradient map.
- Groundwater Gradient Measured Between MW-4 and MW-9

Figure 2C
Inferred Groundwater Gradient Map
(8/8/2013)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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October 2, 2013	Scale: 1" = 60'	CAD By: TA	Checked By: CJB

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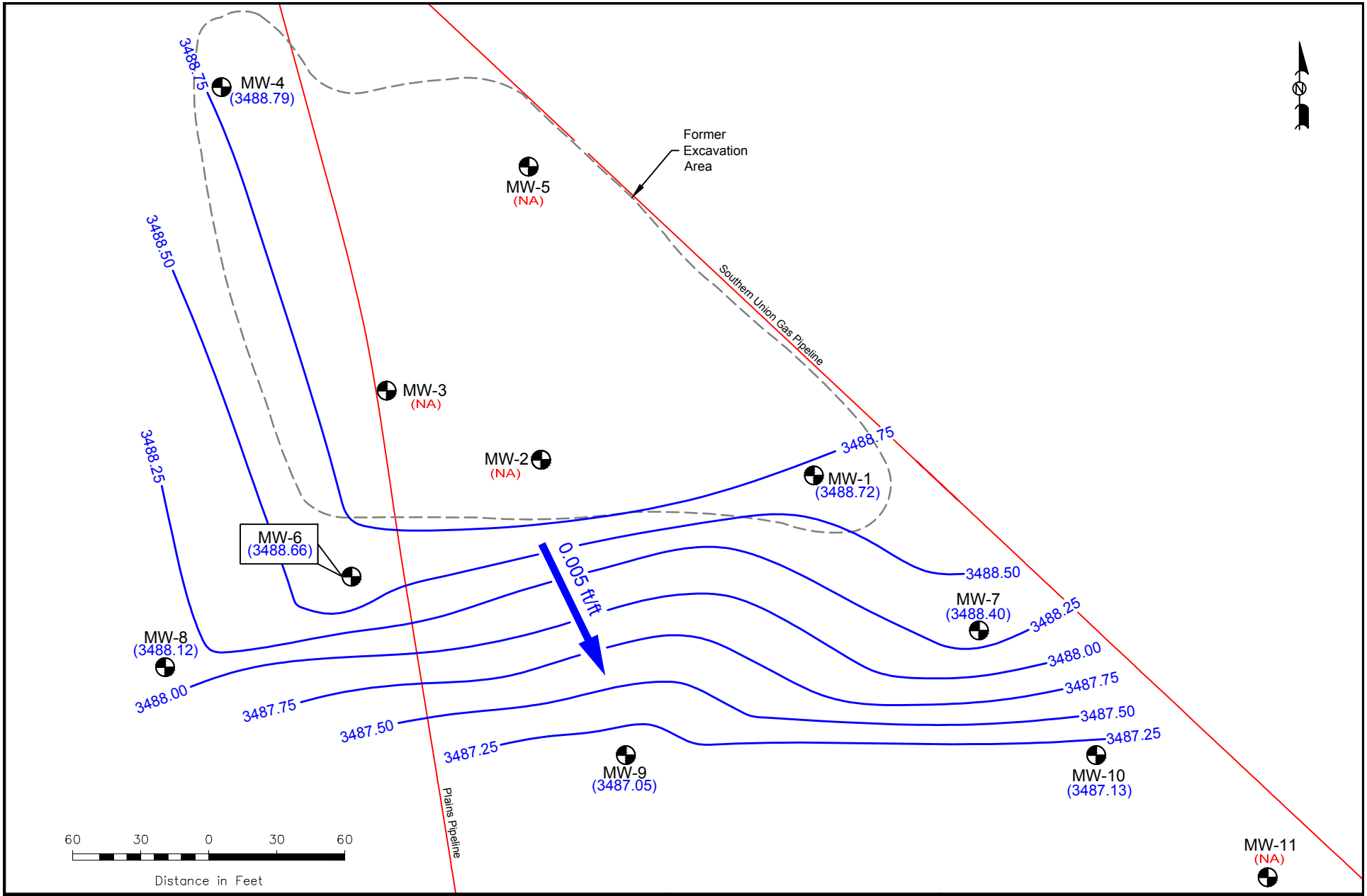

LEGEND:

- Monitor Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NA) Not Applicable

NOTE:

- Contour Interval = 0.25'
- MW-2, MW-3, MW-5, & MW-11 not used to construct gradient map.
- Groundwater Gradient Measured Between MW-4 and MW-9

Figure 2D
Inferred Groundwater Gradient Map
(11/21/2013)
NMOCD Reference #1R-0386
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM

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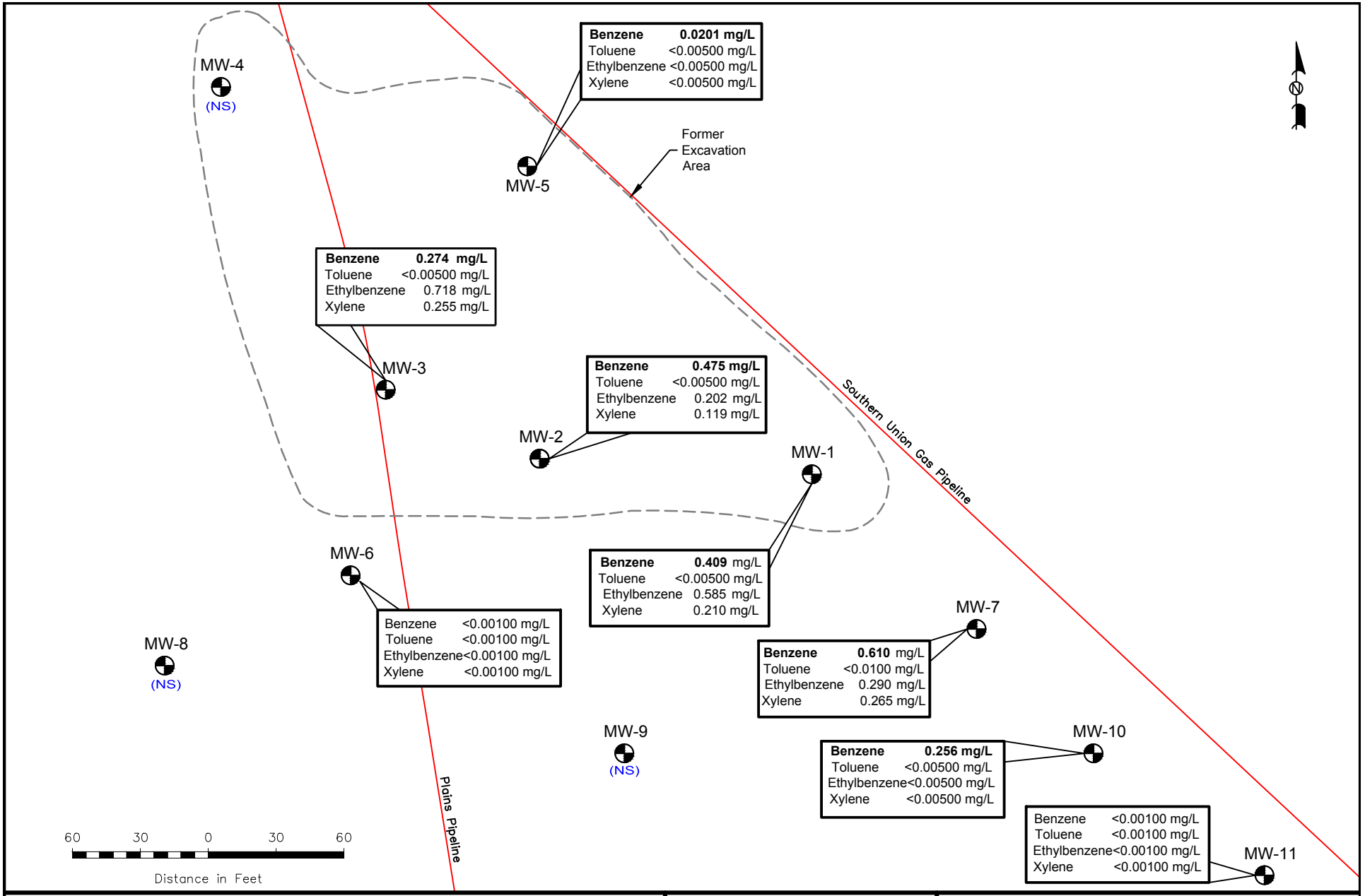

LEGEND:

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

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map
(2/14/2013)
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM
NMOCD Reference #1R-0386

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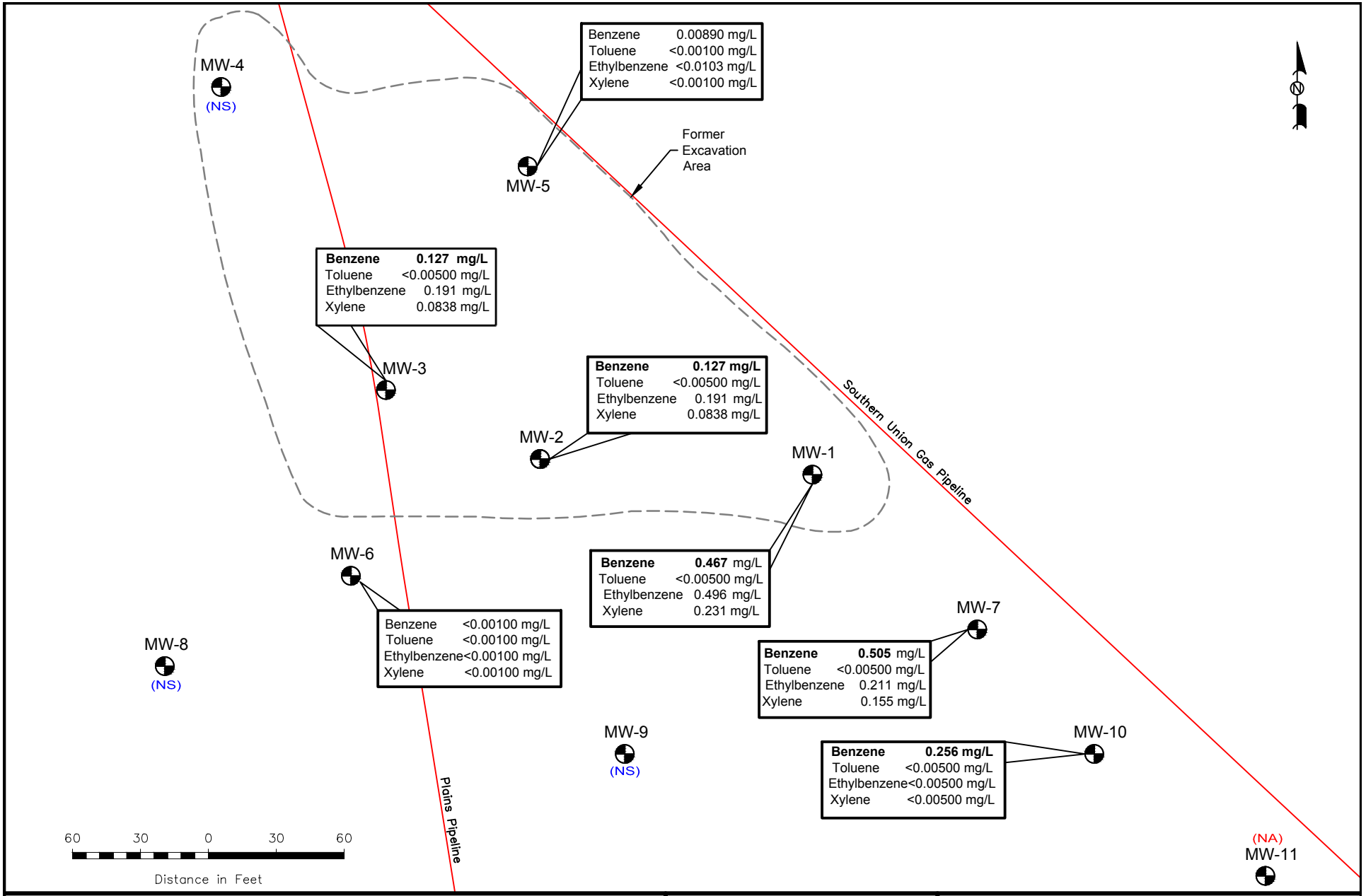

LEGEND:

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

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map
(5/9/2013)
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM
NMOCD Reference #1R-0386

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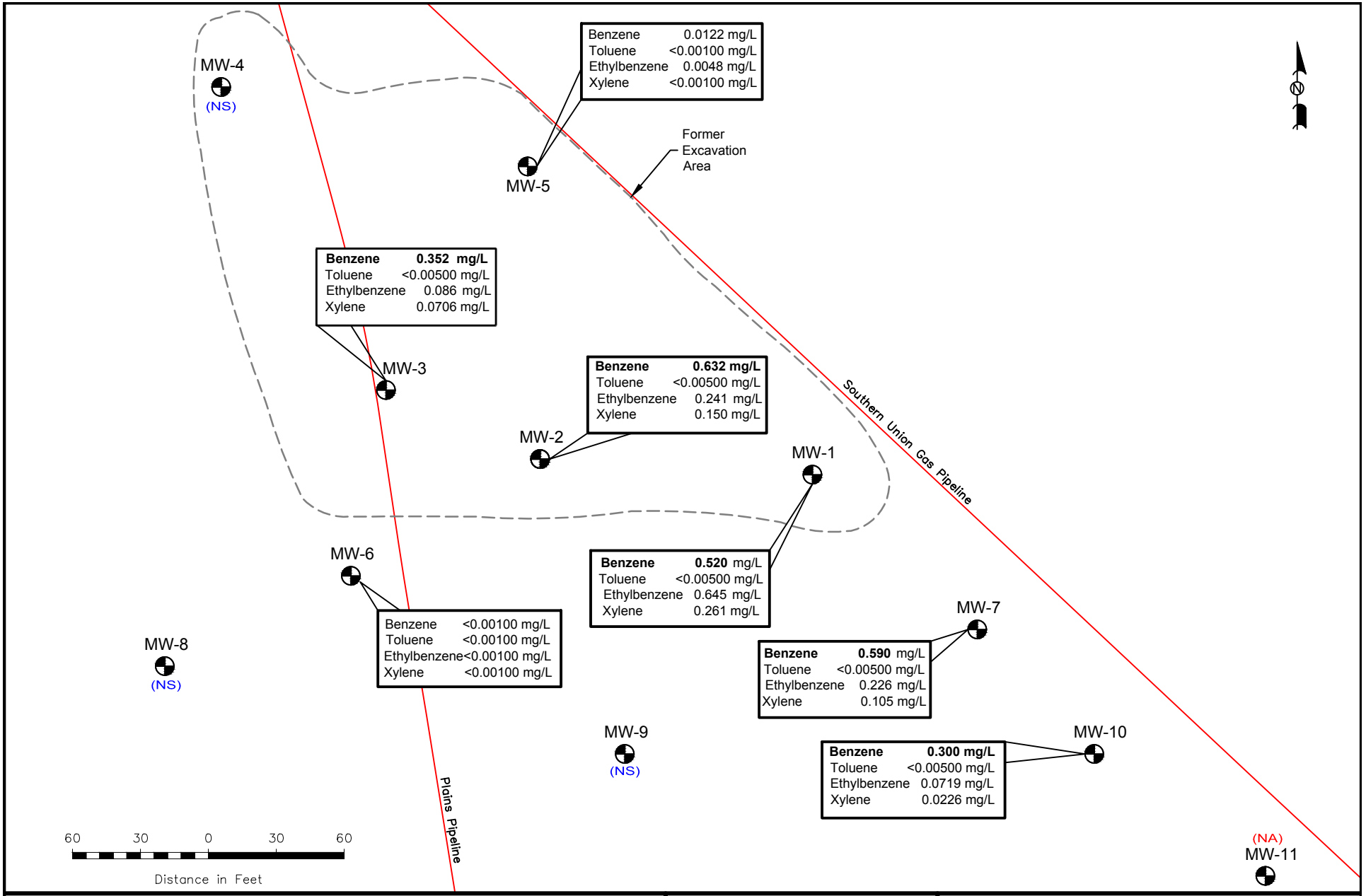

LEGEND:

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

Notes:
MW-11 is damaged and cannot be sampled or gauged.

Figure 3C
Groundwater Concentration and Inferred PSH Extent Map
(8/8/2013)
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM
NMOCD Reference #1R-0386

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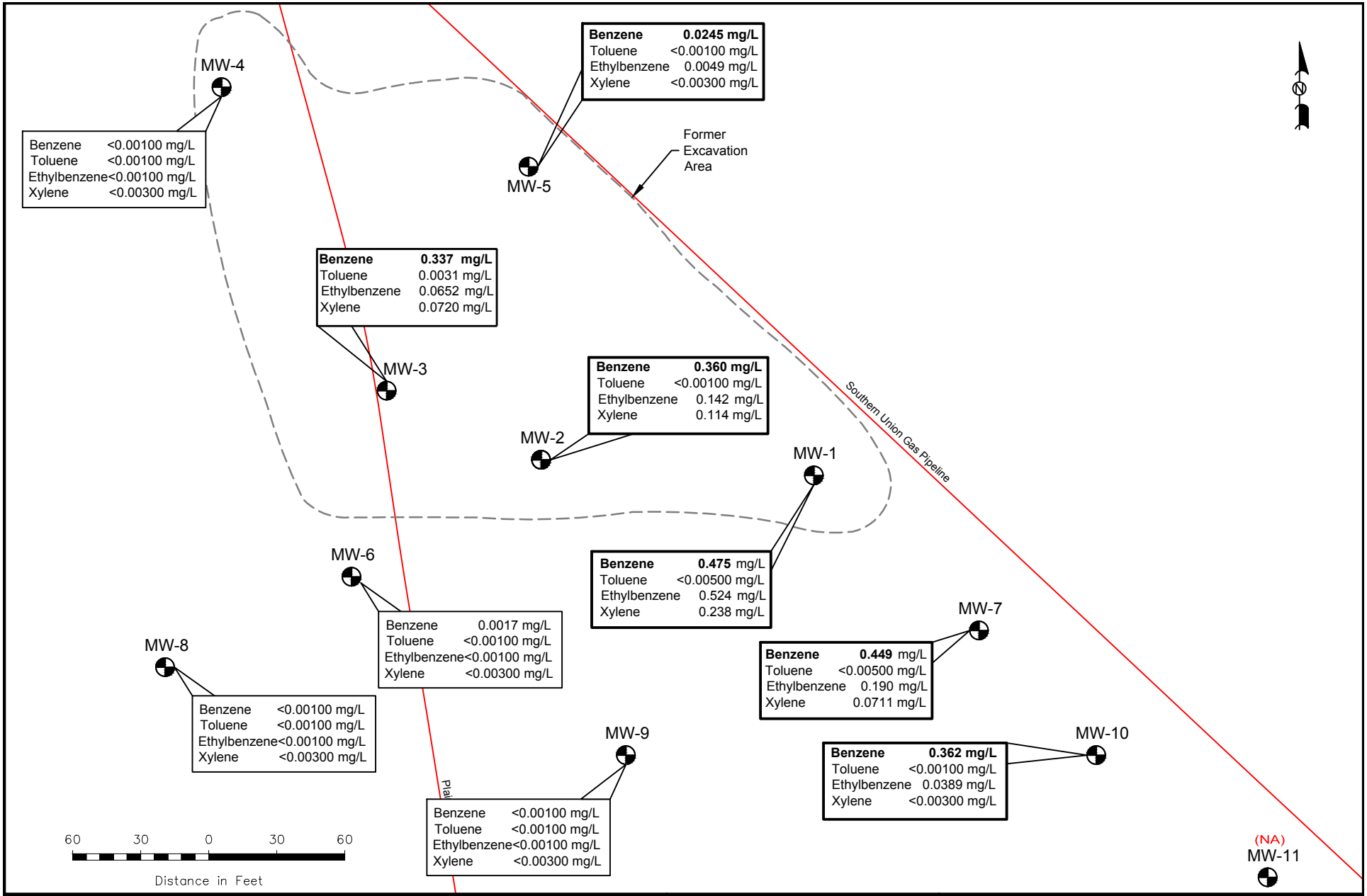

LEGEND:

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

Notes:
MW-11 is damaged and cannot be sampled or gauged.

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map
(11/21/2013)
Plains Marketing, L.P.
34 Junction to Lea Station
Lea County, NM
NMOCD Reference #1R-0386

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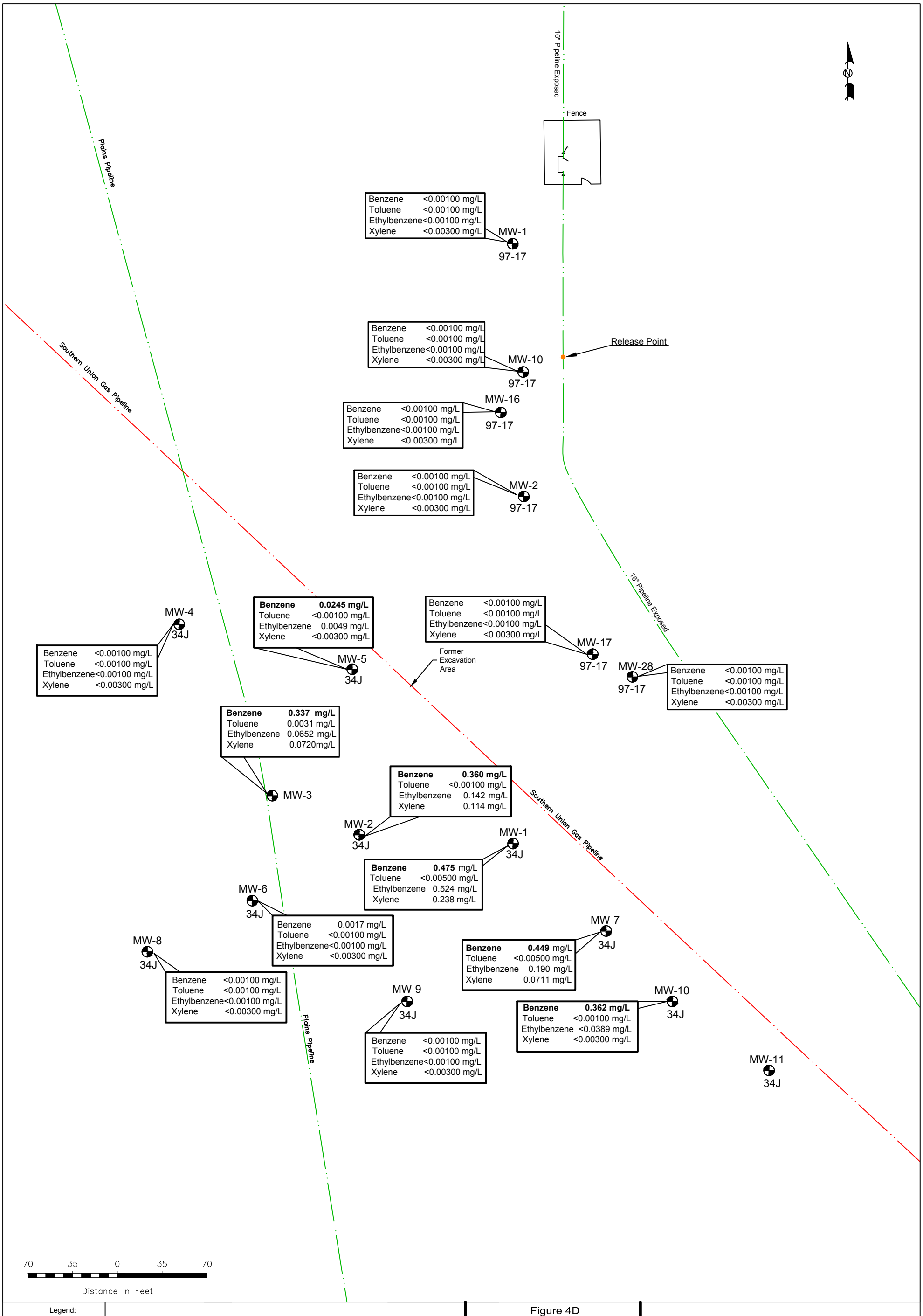
December 19, 2013	Scale: 1" = 60'	CAD By: TA	Checked By: CS

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



Legend:

- Monitor Well Location
- Release Point
- SUG Pipeline
- Plains Pipeline
- Fence

TNM 97-17 - NMOCD Refernce # AP-017
34 Junction to Lea - NMOCD Refernce # 1R-0386

Figure 4D
Unitized Concentration Map of
34 Junction to Lea Station
and TNM 97-17
(11/21/2013)
Plains Marketing, L.P.
Lea County, NM

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

February 24, 2014 | Scale: 1" = 70' | CAD By: TA | Checked By:

Lat. Long. W

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	*02/14/13*	3,508.17	-	19.16	0.00	3,489.01
MW - 1	03/19/13	3,508.17	-	19.16	0.00	3,489.01
MW - 1	04/04/13	3,508.17	-	19.13	0.00	3,489.04
MW - 1	04/09/13	3,508.17	-	19.12	0.00	3,489.05
MW - 1	04/17/13	3,508.17	-	19.10	0.00	3,489.07
MW - 1	04/23/13	3,508.17	-	19.09	0.00	3,489.08
MW - 1	04/30/13	3,508.17	-	19.04	0.00	3,489.13
MW - 1	05/08/13	3,508.17	-	19.02	0.00	3,489.15
MW - 1	*05/09/13*	3,508.17	-	19.06	0.00	3,489.11
MW - 1	05/14/13	3,508.17	-	19.07	0.00	3,489.10
MW - 1	05/22/13	3,508.17	-	19.06	0.00	3,489.11
MW - 1	05/29/13	3,508.17	-	19.05	0.00	3,489.12
MW - 1	06/05/13	3,508.17	-	19.11	0.00	3,489.06
MW - 1	06/11/13	3,508.17	-	19.14	0.00	3,489.03
MW - 1	06/19/13	3,508.17	-	19.17	0.00	3,489.00
MW - 1	06/28/13	3,508.17	-	19.29	0.00	3,488.88
MW - 1	07/01/13	3,508.17	-	19.31	0.00	3,488.86
MW - 1	07/11/13	3,508.17	-	19.43	0.00	3,488.74
MW - 1	07/23/13	3,508.17	-	19.44	0.00	3,488.73
MW - 1	07/30/13	3,508.17	-	19.43	0.00	3,488.74
MW - 1	*08/08/13*	3,508.17	-	19.33	0.00	3,488.84
MW - 1	08/14/13	3,508.17	-	19.42	0.00	3,488.75
MW - 1	08/22/13	3,508.17	-	19.46	0.00	3,488.71
MW - 1	08/27/13	3,508.17	-	19.51	0.00	3,488.66
MW - 1	09/05/13	3,508.17	-	19.55	0.00	3,488.62
MW - 1	09/10/13	3,508.17	-	19.61	0.00	3,488.56
MW - 1	09/17/13	3,508.17	-	19.64	0.00	3,488.53
MW - 1	09/24/13	3,508.17	-	19.63	0.00	3,488.54
MW - 1	10/07/13	3,508.17	-	19.71	0.00	3,488.46
MW - 1	10/23/13	3,508.17	-	19.62	0.00	3,488.55
MW - 1	10/30/13	3,508.17	-	19.55	0.00	3,488.62
MW - 1	11/06/13	3,508.17	-	19.53	0.00	3,488.64
MW - 1	11/14/13	3,508.17	-	19.47	0.00	3,488.70
MW - 1	*11/21/13*	3,508.17	-	19.45	0.00	3,488.72

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	12/12/13	3,508.17	-	19.39	0.00	3,488.78
MW - 1	12/19/13	3,508.17	-	19.36	0.00	3,488.81
MW - 1	12/24/13	3,508.17	-	19.36	0.00	3,488.81
MW - 2	*02/14/13*	3,501.45	-	20.47	0.00	3,480.98
MW - 2	03/19/13	3,501.45	-	20.41	0.00	3,481.04
MW - 2	04/04/13	3,501.45	-	20.37	0.00	3,481.08
MW - 2	04/09/13	3,501.45	-	20.35	0.00	3,481.10
MW - 2	04/17/13	3,501.45	-	20.36	0.00	3,481.09
MW - 2	04/23/13	3,501.45	-	20.35	0.00	3,481.10
MW - 2	04/30/13	3,501.45	-	20.33	0.00	3,481.12
MW - 2	05/08/13	3,501.45	-	20.31	0.00	3,481.14
MW - 2	*05/09/13*	3,501.45	-	20.32	0.00	3,481.13
MW - 2	05/14/13	3,501.45	-	20.32	0.00	3,481.13
MW - 2	05/22/13	3,501.45	-	20.29	0.00	3,481.16
MW - 2	05/29/13	3,501.45	-	20.32	0.00	3,481.13
MW - 2	06/05/13	3,501.45	-	20.36	0.00	3,481.09
MW - 2	06/11/13	3,501.45	-	20.39	0.00	3,481.06
MW - 2	06/19/13	3,501.45	-	20.41	0.00	3,481.04
MW - 2	06/28/13	3,501.45	-	19.51	0.00	3,481.94
MW - 2	07/01/13	3,501.45	-	20.61	0.00	3,480.84
MW - 2	07/11/13	3,501.45	-	20.69	0.00	3,480.76
MW - 2	07/23/13	3,501.45	-	20.71	0.00	3,480.74
MW - 2	07/30/13	3,501.45	-	20.69	0.00	3,480.76
MW - 2	*08/08/13*	3,501.45	-	20.61	0.00	3,480.84
MW - 2	08/14/13	3,501.45	-	20.70	0.00	3,480.75
MW - 2	08/22/13	3,501.45	-	20.75	0.00	3,480.70
MW - 2	08/27/13	3,501.45	-	20.77	0.00	3,480.68
MW - 2	09/05/13	3,501.45	-	20.84	0.00	3,480.61
MW - 2	09/10/13	3,501.45	-	20.91	0.00	3,480.54
MW - 2	09/17/13	3,501.45	-	20.94	0.00	3,480.51
MW - 2	09/24/13	3,501.45	-	20.80	0.00	3,480.65
MW - 2	10/07/13	3,501.45	-	20.98	0.00	3,480.47
MW - 2	10/23/13	3,501.45	-	20.86	0.00	3,480.59

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	10/30/13	3,501.45	-	20.86	0.00	3,480.59
MW - 2	11/06/13	3,501.45	-	20.83	0.00	3,480.62
MW - 2	11/14/13	3,501.45	-	20.73	0.00	3,480.72
MW - 2	*11/21/13*	3,501.45	-	20.73	0.00	3,480.72
MW - 2	12/12/13	3,501.45	-	20.67	0.00	3,480.78
MW - 2	12/19/13	3,501.45	-	20.63	0.00	3,480.82
MW - 2	12/24/13	3,501.45	-	20.62	0.00	3,480.83
MW - 3	*02/14/13*	3,495.97	-	20.89	0.00	3,475.08
MW - 3	03/19/13	3,495.97	-	20.85	0.00	3,475.12
MW - 3	04/04/13	3,495.97	-	20.89	0.00	3,475.08
MW - 3	04/09/13	3,495.97	-	20.85	0.00	3,475.12
MW - 3	04/17/13	3,495.97	-	20.89	0.00	3,475.08
MW - 3	04/23/13	3,495.97	-	20.82	0.00	3,475.15
MW - 3	04/30/13	3,495.97	-	20.78	0.00	3,475.19
MW - 3	05/08/13	3,495.97	-	20.79	0.00	3,475.18
MW - 3	*05/09/13*	3,495.97	-	20.79	0.00	3,475.18
MW - 3	05/14/13	3,495.97	-	20.76	0.00	3,475.21
MW - 3	05/22/13	3,495.97	-	20.73	0.00	3,475.24
MW - 3	05/29/13	3,495.97	-	20.78	0.00	3,475.19
MW - 3	06/05/13	3,495.97	-	20.77	0.00	3,475.20
MW - 3	06/11/13	3,495.97	-	20.87	0.00	3,475.10
MW - 3	06/19/13	3,495.97	-	20.92	0.00	3,475.05
MW - 3	06/28/13	3,495.97	-	20.96	0.00	3,475.01
MW - 3	07/01/13	3,495.97	-	21.11	0.00	3,474.86
MW - 3	07/11/13	3,495.97	-	21.14	0.00	3,474.83
MW - 3	07/23/13	3,495.97	-	21.19	0.00	3,474.78
MW - 3	07/30/13	3,495.97	-	21.19	0.00	3,474.78
MW - 3	*08/08/13*	3,495.97	-	21.04	0.00	3,474.93
MW - 3	08/14/13	3,495.97	-	21.14	0.00	3,474.83
MW - 3	08/22/13	3,495.97	-	21.99	0.00	3,473.98
MW - 3	08/27/13	3,495.97	-	21.27	0.00	3,474.70
MW - 3	09/05/13	3,495.97	-	21.30	0.00	3,474.67
MW - 3	09/10/13	3,495.97	-	21.38	0.00	3,474.59

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	09/17/13	3,495.97	-	21.38	0.00	3,474.59
MW - 3	09/24/13	3,495.97	-	21.39	0.00	3,474.58
MW - 3	10/07/13	3,495.97	-	21.46	0.00	3,474.51
MW - 3	10/23/13	3,495.97	-	21.34	0.00	3,474.63
MW - 3	10/30/13	3,495.97	-	21.33	0.00	3,474.64
MW - 3	11/06/13	3,495.97	-	21.26	0.00	3,474.71
MW - 3	11/14/13	3,495.97	-	21.17	0.00	3,474.80
MW - 3	*11/21/13*	3,495.97	-	21.15	0.00	3,474.82
MW - 3	12/12/13	3,495.97	-	21.11	0.00	3,474.86
MW - 3	12/19/13	3,495.97	-	21.06	0.00	3,474.91
MW - 3	12/24/13	3,495.97	-	21.05	0.00	3,474.92
MW - 4	*02/14/13*	3,509.01	-	19.94	0.00	3,489.07
MW - 4	*05/09/13*	3,509.01	-	19.78	0.00	3,489.23
MW - 4	*08/08/13*	3,509.01	-	20.15	0.00	3,488.86
MW - 4	*11/21/13*	3,509.01	-	20.22	0.00	3,488.79
MW - 5	*02/14/13*	3,508.74	-	19.82	0.00	3,488.92
MW - 5	03/19/13	3,508.74	-	19.75	0.00	3,488.99
MW - 5	04/04/13	3,508.74	-	19.71	0.00	3,489.03
MW - 5	04/09/13	3,508.74	-	19.71	0.00	3,489.03
MW - 5	04/17/13	3,508.74	-	19.70	0.00	3,489.04
MW - 5	04/23/13	3,508.74	-	19.70	0.00	3,489.04
MW - 5	04/30/13	3,508.74	-	19.68	0.00	3,489.06
MW - 5	04/30/13	3,508.74	-	19.66	0.00	3,489.08
MW - 5	05/08/13	3,508.74	-	19.65	0.00	3,489.09
MW - 5	*05/09/13*	3,508.74	-	19.67	0.00	3,489.07
MW - 5	05/14/13	3,508.74	-	19.66	0.00	3,489.08
MW - 5	05/22/13	3,508.74	-	19.64	0.00	3,489.10
MW - 5	05/29/13	3,508.74	-	19.66	0.00	3,489.08
MW - 5	06/05/13	3,508.74	-	19.72	0.00	3,489.02
MW - 5	06/11/13	3,508.74	-	19.75	0.00	3,488.99
MW - 5	06/19/13	3,508.74	-	19.79	0.00	3,488.95
MW - 5	06/28/13	3,508.74	-	19.93	0.00	3,488.81

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 5	07/01/13	3,508.74	-	19.96	0.00	3,488.78
MW - 5	07/11/13	3,508.74	-	20.07	0.00	3,488.67
MW - 5	07/23/13	3,508.74	-	20.08	0.00	3,488.66
MW - 5	07/30/13	3,508.74	-	20.03	0.00	3,488.71
MW - 5	*08/08/13*	3,508.74	-	20.01	0.00	3,488.73
MW - 5	08/14/13	3,508.74	-	20.07	0.00	3,488.67
MW - 5	08/22/13	3,508.74	-	20.11	0.00	3,488.63
MW - 5	08/27/13	3,508.74	-	20.17	0.00	3,488.57
MW - 5	09/05/13	3,508.74	-	20.22	0.00	3,488.52
MW - 5	09/10/13	3,508.74	-	20.28	0.00	3,488.46
MW - 5	09/17/13	3,508.74	-	20.32	0.00	3,488.42
MW - 5	09/24/13	3,508.74	-	20.32	0.00	3,488.42
MW - 5	10/07/13	3,508.74	-	20.38	0.00	3,488.36
MW - 5	10/23/13	3,508.74	-	20.26	0.00	3,488.48
MW - 5	10/30/13	3,508.74	-	20.21	0.00	3,488.53
MW - 5	11/06/13	3,508.74	-	20.18	0.00	3,488.56
MW - 5	11/14/13	3,508.74	-	20.10	0.00	3,488.64
MW - 5	*11/21/13*	3,508.74	-	20.10	0.00	3,488.64
MW - 5	12/12/13	3,508.74	-	20.05	0.00	3,488.69
MW - 5	12/19/13	3,508.74	-	20.01	0.00	3,488.73
MW - 5	12/24/13	3,508.74	-	19.99	0.00	3,488.75
MW - 6	*02/14/13*	3,509.76	-	20.79	0.00	3,488.97
MW - 6	*04/04/13*	3,509.76	-	20.71	0.00	3,489.05
MW - 6	04/09/13	3,509.76	-	20.69	0.00	3,489.07
MW - 6	04/17/13	3,509.76	-	20.68	0.00	3,489.08
MW - 6	04/23/13	3,509.76	-	20.69	0.00	3,489.07
MW - 6	04/30/13	3,509.76	-	20.69	0.00	3,489.07
MW - 6	05/08/13	3,509.76	-	20.65	0.00	3,489.11
MW - 6	*05/09/13*	3,509.76	-	20.66	0.00	3,489.10
MW - 6	05/14/13	3,509.76	-	20.67	0.00	3,489.09
MW - 6	05/22/13	3,509.76	-	20.66	0.00	3,489.10
MW - 6	05/29/13	3,509.76	-	20.68	0.00	3,489.08
MW - 6	06/11/13	3,509.76	-	20.73	0.00	3,489.03

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 6	06/19/13	3,509.76	-	20.76	0.00	3,489.00
MW - 6	06/28/13	3,509.76	-	20.87	0.00	3,488.89
MW - 6	07/01/13	3,509.76	-	20.90	0.00	3,488.86
MW - 6	07/11/13	3,509.76	-	20.99	0.00	3,488.77
MW - 6	07/23/13	3,509.76	-	21.07	0.00	3,488.69
MW - 6	07/30/13	3,509.76	-	21.03	0.00	3,488.73
MW - 6	*08/08/13*	3,509.76	-	20.97	0.00	3,488.79
MW - 6	08/14/13	3,509.76	-	21.03	0.00	3,488.73
MW - 6	08/22/13	3,509.76	-	21.06	0.00	3,488.70
MW - 6	08/27/13	3,509.76	-	21.12	0.00	3,488.64
MW - 6	09/05/13	3,509.76	-	21.19	0.00	3,488.57
MW - 6	09/10/13	3,509.76	-	21.24	0.00	3,488.52
MW - 6	09/17/13	3,509.76	-	21.26	0.00	3,488.50
MW - 6	09/24/13	3,509.76	-	21.25	0.00	3,488.51
MW - 6	10/07/13	3,509.76	-	21.31	0.00	3,488.45
MW - 6	10/23/13	3,509.76	-	21.26	0.00	3,488.50
MW - 6	10/30/13	3,509.76	-	21.23	0.00	3,488.53
MW - 6	11/06/13	3,509.76	-	21.21	0.00	3,488.55
MW - 6	11/14/13	3,509.76	-	21.18	0.00	3,488.58
MW - 6	*11/21/13*	3,509.76	-	21.10	0.00	3,488.66
MW - 6	12/12/13	3,509.76	-	21.06	0.00	3,488.70
MW - 6	12/19/13	3,509.76	-	21.04	0.00	3,488.72
MW - 6	12/24/13	3,509.76	-	21.00	0.00	3,488.76
MW - 7	*02/14/13*	3,507.38	-	18.72	0.00	3,488.66
MW - 7	03/19/13	3,507.38	-	18.77	0.00	3,488.61
MW - 7	04/04/13	3,507.38	-	18.74	0.00	3,488.64
MW - 7	04/09/13	3,507.38	-	18.64	0.00	3,488.74
MW - 7	04/17/13	3,507.38	-	18.72	0.00	3,488.66
MW - 7	04/23/13	3,507.38	-	18.73	0.00	3,488.65
MW - 7	04/30/13	3,507.38	-	18.72	0.00	3,488.66
MW - 7	05/08/13	3,507.38	-	18.79	0.00	3,488.59
MW - 7	*05/09/13*	3,507.38	-	18.59	0.00	3,488.79
MW - 7	05/14/13	3,507.38	-	18.61	0.00	3,488.77

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 7	05/22/13	3,507.38	-	18.77	0.00	3,488.61
MW - 7	05/29/13	3,507.38	-	18.67	0.00	3,488.71
MW - 7	06/05/13	3,507.38	-	18.72	0.00	3,488.66
MW - 7	06/11/13	3,507.38	-	18.68	0.00	3,488.70
MW - 7	06/19/13	3,507.38	-	18.78	0.00	3,488.60
MW - 7	06/28/13	3,507.38	-	18.92	0.00	3,488.46
MW - 7	07/01/13	3,507.38	-	19.07	0.00	3,488.31
MW - 7	07/11/13	3,507.38	-	19.13	0.00	3,488.25
MW - 7	07/23/13	3,507.38	-	19.02	0.00	3,488.36
MW - 7	07/30/13	3,507.38	-	18.97	0.00	3,488.41
MW - 7	*08/08/13*	3,507.38	-	18.89	0.00	3,488.49
MW - 7	08/14/13	3,507.38	-	18.98	0.00	3,488.40
MW - 7	08/22/13	3,507.38	-	19.16	0.00	3,488.22
MW - 7	08/27/13	3,507.38	-	19.10	0.00	3,488.28
MW - 7	09/05/13	3,507.38	-	19.08	0.00	3,488.30
MW - 7	09/10/13	3,507.38	-	19.27	0.00	3,488.11
MW - 7	09/17/13	3,507.38	-	19.28	0.00	3,488.10
MW - 7	09/24/13	3,507.38	-	19.15	0.00	3,488.23
MW - 7	10/07/13	3,507.38	-	19.22	0.00	3,488.16
MW - 7	10/23/13	3,507.38	-	19.12	0.00	3,488.26
MW - 7	10/30/13	3,507.38	-	19.18	0.00	3,488.20
MW - 7	11/06/13	3,507.38	-	19.07	0.00	3,488.31
MW - 7	11/14/13	3,507.38	-	19.01	0.00	3,488.37
MW - 7	*11/21/13*	3,507.38	-	18.98	0.00	3,488.40
MW - 7	12/12/13	3,507.38	-	18.95	0.00	3,488.43
MW - 7	12/19/13	3,507.38	-	18.93	0.00	3,488.45
MW - 7	12/24/13	3,507.38	-	18.96	0.00	3,488.42
MW - 8	*02/14/13*	3,512.14	-	23.71	0.00	3,488.43
MW - 8	*05/09/13*	3,512.14	-	23.56	0.00	3,488.58
MW - 8	*08/08/13*	3,512.14	-	23.89	0.00	3,488.25
MW - 8	*11/21/13*	3,512.14	-	24.02	0.00	3,488.12
MW - 9	*02/14/13*	3,509.34	-	27.01	0.00	3,482.33

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 9	*05/09/13*	3,509.34	-	21.89	0.00	3,487.45
MW - 9	*08/08/13*	3,509.34	-	22.18	0.00	3,487.16
MW - 9	*11/21/13*	3,509.34	-	22.29	0.00	3,487.05
MW - 10	*02/14/13*	3,506.66	-	19.26	0.00	3,487.40
MW - 10	03/19/13	3,506.66	-	19.21	0.00	3,487.45
MW - 10	04/04/13	3,506.66	-	19.18	0.00	3,487.48
MW - 10	04/09/13	3,506.66	-	19.17	0.00	3,487.49
MW - 10	04/17/13	3,506.66	-	19.16	0.00	3,487.50
MW - 10	04/23/13	3,506.66	-	19.17	0.00	3,487.49
MW - 10	04/30/13	3,506.66	-	19.15	0.00	3,487.51
MW - 10	05/08/13	3,506.66	-	19.14	0.00	3,487.52
MW - 10	*05/09/13*	3,506.66	-	19.14	0.00	3,487.52
MW - 10	05/14/13	3,506.66	-	19.15	0.00	3,487.51
MW - 10	05/22/13	3,506.66	-	19.14	0.00	3,487.52
MW - 10	05/29/13	3,506.66	-	19.15	0.00	3,487.51
MW - 10	06/05/13	3,506.66	-	19.21	0.00	3,487.45
MW - 10	06/11/13	3,506.66	-	19.22	0.00	3,487.44
MW - 10	06/19/13	3,506.66	-	19.22	0.00	3,487.44
MW - 10	06/28/13	3,506.66	-	19.36	0.00	3,487.30
MW - 10	07/01/13	3,506.66	-	19.38	0.00	3,487.28
MW - 10	07/11/13	3,506.66	-	19.50	0.00	3,487.16
MW - 10	07/23/13	3,506.66	-	19.48	0.00	3,487.18
MW - 10	07/30/13	3,506.66	-	19.47	0.00	3,487.19
MW - 10	*08/08/13*	3,506.66	-	19.44	0.00	3,487.22
MW - 10	08/14/13	3,506.66	-	19.47	0.00	3,487.19
MW - 10	08/22/13	3,506.66	-	19.54	0.00	3,487.12
MW - 10	08/27/13	3,506.66	-	19.58	0.00	3,487.08
MW - 10	09/05/13	3,506.66	-	19.63	0.00	3,487.03
MW - 10	09/10/13	3,506.66	-	19.67	0.00	3,486.99
MW - 10	09/17/13	3,506.66	-	19.69	0.00	3,486.97
MW - 10	09/24/13	3,506.66	-	19.69	0.00	3,486.97
MW - 10	10/07/13	3,506.66	-	19.74	0.00	3,486.92
MW - 10	10/23/13	3,506.66	-	19.62	0.00	3,487.04

TABLE 1

2013 GROUNDWATER ELEVATION DATA

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #2002-10286
NMOCD Reference Number 1R-0386

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 10	10/30/13	3,506.66	-	19.60	0.00	3,487.06
MW - 10	11/06/13	3,506.66	-	19.58	0.00	3,487.08
MW - 10	11/14/13	3,506.66	-	19.55	0.00	3,487.11
MW - 10	*11/21/13*	3,506.66	-	19.53	0.00	3,487.13
MW - 10	12/12/13	3,506.66	-	19.49	0.00	3,487.17
MW - 10	12/19/13	3,506.66	-	19.47	0.00	3,487.19
MW - 10	12/24/13	3,506.66	-	19.45	0.00	3,487.21
MW - 11	*02/14/13*	Damaged	-	-	-	-
MW - 11*	*02/26/13*	Damaged	-	17.71	-	-
MW - 11	*05/09/13*	Damaged	-	-	-	-
MW - 11	*08/08/13*	Damaged	-	-	-	-
MW - 11	*11/21/13*	Damaged	-	-	-	-

Complete Historical Tables are provided on the attached CD.

*MW-11 was damaged during backfill activities at TNM 97-17 during the the 4th quarter of 2012. NOVA was unable to retrieve a sample on 2/14/13 and resampled MW-11 on 2/26/13. After the 1st quarter sampling event, the well became dry and could not be sample the 2nd, 3rd, and 4th quarters of 2013.

TABLE 2

2013 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
Plains SRS #2002-10286
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	02/14/13	**0.409**	<0.00500	0.585	0.210	
MW - 1	05/09/13	**0.467**	<0.00500	0.496	0.231	
MW - 1	08/08/13	**0.520**	<0.00500	0.645	0.261	
MW - 1	11/21/13	**0.475**	<0.00500	0.524	0.238	
MW - 2	02/14/13	**0.475**	<0.0100	0.202	0.119	
MW - 2	05/09/13	**0.224**	<0.00500	0.101	0.0644	
MW - 2	08/08/13	**0.632**	<0.00500	0.241	0.150	
MW - 2	11/21/13	**0.360**	<0.00100	0.142	0.114	
MW - 3	02/14/13	**0.274**	<0.00500	0.718	0.255	
MW - 3	05/09/13	**0.127**	<0.00500	0.191	0.0838	
MW - 3	08/08/13	**0.352**	<0.00500	0.086	0.0706	
MW - 3	11/21/13	**0.337**	0.00310	0.0652	0.0720	
MW - 4	02/14/13	Not Sampled on Current Sample Schedule				
MW - 4	05/09/13	Not Sampled on Current Sample Schedule				
MW - 4	08/08/13	Not Sampled on Current Sample Schedule				
MW - 4	11/21/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 5	02/14/13	**0.0201**	<0.00500	<0.00500	<0.00500	
MW - 5	05/09/13	0.00890	<0.00100	0.0103	<0.00100	
MW - 5	08/08/13	**0.0122**	<0.00100	0.0048	<0.00100	
MW - 5	11/21/13	**0.0245**	<0.00100	0.00490	<0.00300	
MW - 6	02/14/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	05/09/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	08/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	11/21/13	0.00170	<0.00100	<0.00100	<0.00300	
MW - 7	02/14/13	**0.610**	<0.01000	0.290	0.265	
MW - 7	05/09/13	**0.505**	<0.00500	0.211	0.155	
MW - 7	08/08/13	**0.590**	<0.00500	0.226	0.105	
MW - 7	11/21/13	**0.449**	<0.00500	0.190	0.0711	
MW - 8	02/14/13	Not Sampled on Current Sample Schedule				
MW - 8	05/09/13	Not Sampled on Current Sample Schedule				
MW - 8	08/08/13	Not Sampled on Current Sample Schedule				

TABLE 2

2013 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION TO LEA
LEA COUNTY, NEW MEXICO
Plains SRS #2002-10286
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	11/21/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 9	02/14/13	Not Sampled on Current Sample Schedule				
MW - 9	05/09/13	Not Sampled on Current Sample Schedule				
MW - 9	08/08/13	Not Sampled on Current Sample Schedule				
MW - 9	11/21/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	02/14/13	**0.256**	<0.00500	<0.00500	<0.00500	
MW - 10	05/09/13	**0.256**	<0.00500	<0.00500	<0.00500	
MW - 10	08/08/13	**0.300**	<0.00500	0.0719	0.0226	
MW - 10	11/21/13	**0.362**	<0.00100	0.0389	<0.00300	
MW - 11	02/26/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	05/09/13	**Due to Damage, MW-11 Was Not Sampled**				
MW - 11	08/08/13	**Due to Damage, MW-11 Was Not Sampled**				
MW - 11	11/21/13	**Due to Damage, MW-11 Was Not Sampled**				

Complete Historical Tables are provided on the attached CD.

*MW-11 was damaged during backfill activities at TNM 97-17 during the the 4th quarter of 2012. NOVA was unable to retrieve a sample on 2/14/13 and resampled MW-11 on 2/26/13. After the 1st quarter sampling event, the well became dry and could not be sample during the 2nd, 3rd, and 4th quarters of 2013.

TABLE 3

CONCENTRATIONS OF PAH 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
	11/15/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.0187**	<0.000190	**0.0232**	<0.000190	**0.0268**	**0.1390**	**0.0471**	0.0165
	11/21/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.0611**	**0.0629**	**0.0436**	<0.000200
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.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/21/13	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
	11/15/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.00472**	<0.000190	**0.00457**	<0.000190	**0.0410**	**0.0461**	**0.0291**	0.0044
	11/21/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.0245	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.0179**	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
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.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/21/13	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

TABLE 3

CONCENTRATIONS OF PAH 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**			---
	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.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
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.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		
	11/21/13	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
	11/15/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000831	<0.000190	0.000568	<0.000190	0.00968	0.0173	0.00337	0.000826
	11/21/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.00848**	<0.000200	<0.000200	0.0217	<0.000200	<0.000200	<0.000200
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.																		
	11/15/12	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

TABLE 3

CONCENTRATIONS OF PAH 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				---
	11/04/10	Not Sampled as part of Quarterly Monitoring Event.																		
	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
	11/15/12	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.																		
	11/15/12	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.																		
	11/15/12	Not Sampled as part of Quarterly Monitoring Event.																		

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	Mineral Owner	Lease No.
Deck Estate		

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** Approved by District Supervisor:	
Printed Name: Frank Hernandez		
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

TABLE 1

Ground Water Elevation Data

Plains Marketing, L.P.
34 Junction to Lea
Plains SRS #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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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
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	-	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 - 1	11/28/11	3,508.17	-	19.27	0.00	3,488.90
MW - 1	12/12/11	3,508.17	-	19.29	0.00	3,488.88
MW - 1	01/10/12	3,508.17	-	19.17	0.00	3,489.00
MW - 1	01/17/12	3,508.17	-	19.17	0.00	3,489.00
MW - 1	01/25/12	3,508.17	-	19.15	0.00	3,489.02
MW - 1	02/01/12	3,508.17	-	19.13	0.00	3,489.04
MW - 1	*02/13/12*	3,508.17	-	19.08	0.00	3,489.09
MW - 1	03/07/12	3,508.17	-	18.98	0.00	3,489.19
MW - 1	03/19/12	3,508.17	-	18.97	0.00	3,489.20
MW - 1	03/28/12	3,508.17	-	18.94	0.00	3,489.23
MW - 1	04/04/12	3,508.17	-	18.90	0.00	3,489.27
MW - 1	04/11/12	3,508.17	-	18.88	0.00	3,489.29
MW - 1	04/18/12	3,508.17	-	18.86	0.00	3,489.31
MW - 1	04/25/12	3,508.17	-	18.86	0.00	3,489.31

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	05/03/12	3,508.17	-	18.91	0.00	3,489.26
MW - 1	05/09/12	3,508.17	-	18.97	0.00	3,489.20
MW - 1	05/16/12	3,508.17	-	18.96	0.00	3,489.21
MW - 1	*05/24/12*	3,508.17	-	18.90	0.00	3,489.27
MW - 1	06/01/12	3,508.17	-	18.90	0.00	3,489.27
MW - 1	06/06/12	3,508.17	-	18.89	0.00	3,489.28
MW - 1	06/14/12	3,508.17	-	18.96	0.00	3,489.21
MW - 1	06/20/12	3,508.17	-	18.95	0.00	3,489.22
MW - 1	06/26/12	3,508.17	-	18.99	0.00	3,489.18
MW - 1	07/11/12	3,508.17	-	19.19	0.00	3,488.98
MW - 1	07/18/12	3,508.17	-	19.25	0.00	3,488.92
MW - 1	08/02/12	3,508.17	-	19.34	0.00	3,488.83
MW - 1	*08/07/12*	3,508.17	-	19.33	0.00	3,488.84
MW - 1	08/17/12	3,508.17	-	19.39	0.00	3,488.78
MW - 1	09/06/12	3,508.17	-	19.46	0.00	3,488.71
MW - 1	09/11/12	3,508.17	-	19.50	0.00	3,488.67
MW - 1	09/25/12	3,508.17	-	19.57	0.00	3,488.60
MW - 1	10/02/12	3,508.17	-	19.58	0.00	3,488.59
MW - 1	10/09/12	3,508.17	-	19.52	0.00	3,488.65
MW - 1	10/17/12	3,508.17	-	19.46	0.00	3,488.71
MW - 1	10/24/12	3,508.17	-	19.44	0.00	3,488.73
MW - 1	11/01/12	3,508.17	-	19.40	0.00	3,488.77
MW - 1	11/14/12	3,508.17	-	19.34	0.00	3,488.83
MW - 1	*02/14/13*	3,508.17	-	19.16	0.00	3,489.01
MW - 1	03/19/13	3,508.17	-	19.16	0.00	3,489.01
MW - 1	04/04/13	3,508.17	-	19.13	0.00	3,489.04
MW - 1	04/09/13	3,508.17	-	19.12	0.00	3,489.05
MW - 1	04/17/13	3,508.17	-	19.10	0.00	3,489.07
MW - 1	04/23/13	3,508.17	-	19.09	0.00	3,489.08
MW - 1	04/30/13	3,508.17	-	19.04	0.00	3,489.13
MW - 1	05/08/13	3,508.17	-	19.02	0.00	3,489.15
MW - 1	*05/09/13*	3,508.17	-	19.06	0.00	3,489.11
MW - 1	05/14/13	3,508.17	-	19.07	0.00	3,489.10
MW - 1	05/22/13	3,508.17	-	19.06	0.00	3,489.11
MW - 1	05/29/13	3,508.17	-	19.05	0.00	3,489.12
MW - 1	06/05/13	3,508.17	-	19.11	0.00	3,489.06
MW - 1	06/11/13	3,508.17	-	19.14	0.00	3,489.03
MW - 1	06/19/13	3,508.17	-	19.17	0.00	3,489.00
MW - 1	06/28/13	3,508.17	-	19.29	0.00	3,488.88
MW - 1	07/01/13	3,508.17	-	19.31	0.00	3,488.86
MW - 1	07/11/13	3,508.17	-	19.43	0.00	3,488.74
MW - 1	07/23/13	3,508.17	-	19.44	0.00	3,488.73
MW - 1	07/30/13	3,508.17	-	19.43	0.00	3,488.74
MW - 1	*08/08/13*	3,508.17	-	19.33	0.00	3,488.84

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 1	08/14/13	3,508.17	-	19.42	0.00	3,488.75
MW - 1	08/22/13	3,508.17	-	19.46	0.00	3,488.71
MW - 1	08/27/13	3,508.17	-	19.51	0.00	3,488.66
MW - 1	09/05/13	3,508.17	-	19.55	0.00	3,488.62
MW - 1	09/10/13	3,508.17	-	19.61	0.00	3,488.56
MW - 1	09/17/13	3,508.17	-	19.64	0.00	3,488.53
MW - 1	09/24/13	3,508.17	-	19.63	0.00	3,488.54
MW - 1	10/07/13	3,508.17	-	19.71	0.00	3,488.46
MW - 1	10/23/13	3,508.17	-	19.62	0.00	3,488.55
MW - 1	10/30/13	3,508.17	-	19.55	0.00	3,488.62
MW - 1	11/06/13	3,508.17	-	19.53	0.00	3,488.64
MW - 1	11/14/13	3,508.17	-	19.47	0.00	3,488.70
MW - 1	*11/21/13*	3,508.17	-	19.45	0.00	3,488.72
MW - 1	12/12/13	3,508.17	-	19.39	0.00	3,488.78
MW - 1	12/19/13	3,508.17	-	19.36	0.00	3,488.81
MW - 1	12/24/13	3,508.17	-	19.36	0.00	3,488.81
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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 - 2	11/28/11	3,501.45	-	20.57	0.00	3,480.88
MW - 2	12/12/11	3,501.45	-	20.56	0.00	3,480.89
MW - 2	01/10/12	3,501.45	-	20.51	0.00	3,480.94
MW - 2	01/17/12	3,501.45	-	19.49	0.00	3,481.96
MW - 2	01/25/12	3,501.45	-	20.49	0.00	3,480.96
MW - 2	02/01/12	3,501.45	-	20.43	0.00	3,481.02
MW - 2	*02/13/12*	3,501.45	-	20.36	0.00	3,481.09
MW - 2	03/07/12	3,501.45	-	20.28	0.00	3,481.17
MW - 2	03/19/12	3,501.45	-	20.25	0.00	3,481.20
MW - 2	03/28/12	3,501.45	-	20.20	0.00	3,481.25
MW - 2	04/04/12	3,501.45	-	20.19	0.00	3,481.26
MW - 2	04/11/12	3,501.45	-	20.17	0.00	3,481.28
MW - 2	04/18/12	3,501.45	-	20.15	0.00	3,481.30
MW - 2	04/25/12	3,501.45	-	20.15	0.00	3,481.30
MW - 2	05/03/12	3,501.45	-	20.19	0.00	3,481.26
MW - 2	05/09/12	3,501.45	-	20.22	0.00	3,481.23
MW - 2	05/16/12	3,501.45	-	20.24	0.00	3,481.21
MW - 2	*05/24/12*	3,501.45	-	20.21	0.00	3,481.24
MW - 2	06/01/12	3,501.45	-	20.20	0.00	3,481.25
MW - 2	06/06/12	3,501.45	-	20.18	0.00	3,481.27
MW - 2	06/14/12	3,501.45	-	20.25	0.00	3,481.20
MW - 2	06/20/12	3,501.45	-	20.26	0.00	3,481.19
MW - 2	06/26/12	3,501.45	-	20.28	0.00	3,481.17
MW - 2	07/11/12	3,501.45	-	20.47	0.00	3,480.98
MW - 2	07/18/12	3,501.45	-	20.54	0.00	3,480.91
MW - 2	08/02/12	3,501.45	-	20.63	0.00	3,480.82
MW - 2	*08/07/12*	3,501.45	-	20.65	0.00	3,480.80

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	08/17/12	3,501.45	-	20.32	0.00	3,481.13
MW - 2	09/06/12	3,501.45	-	20.77	0.00	3,480.68
MW - 2	09/11/12	3,501.45	-	20.80	0.00	3,480.65
MW - 2	09/25/12	3,501.45	-	20.87	0.00	3,480.58
MW - 2	10/02/12	3,501.45	-	20.89	0.00	3,480.56
MW - 2	10/09/12	3,501.45	-	20.81	0.00	3,480.64
MW - 2	10/17/12	3,501.45	-	20.74	0.00	3,480.71
MW - 2	10/24/12	3,501.45	-	20.73	0.00	3,480.72
MW - 2	11/01/12	3,501.45	-	20.69	0.00	3,480.76
MW - 2	11/14/12	3,501.45	-	20.60	0.00	3,480.85
MW - 2	*02/14/13*	3,501.45	-	20.47	0.00	3,480.98
MW - 2	03/19/13	3,501.45	-	20.41	0.00	3,481.04
MW - 2	04/04/13	3,501.45	-	20.37	0.00	3,481.08
MW - 2	04/09/13	3,501.45	-	20.35	0.00	3,481.10
MW - 2	04/17/13	3,501.45	-	20.36	0.00	3,481.09
MW - 2	04/23/13	3,501.45	-	20.35	0.00	3,481.10
MW - 2	04/30/13	3,501.45	-	20.33	0.00	3,481.12
MW - 2	05/08/13	3,501.45	-	20.31	0.00	3,481.14
MW - 2	*05/09/13*	3,501.45	-	20.32	0.00	3,481.13
MW - 2	05/14/13	3,501.45	-	20.32	0.00	3,481.13
MW - 2	05/22/13	3,501.45	-	20.29	0.00	3,481.16
MW - 2	05/29/13	3,501.45	-	20.32	0.00	3,481.13
MW - 2	06/05/13	3,501.45	-	20.36	0.00	3,481.09
MW - 2	06/11/13	3,501.45	-	20.39	0.00	3,481.06
MW - 2	06/19/13	3,501.45	-	20.41	0.00	3,481.04
MW - 2	06/28/13	3,501.45	-	19.51	0.00	3,481.94
MW - 2	07/01/13	3,501.45	-	20.61	0.00	3,480.84
MW - 2	07/11/13	3,501.45	-	20.69	0.00	3,480.76
MW - 2	07/23/13	3,501.45	-	20.71	0.00	3,480.74
MW - 2	07/30/13	3,501.45	-	20.69	0.00	3,480.76
MW - 2	*08/08/13*	3,501.45	-	20.61	0.00	3,480.84
MW - 2	08/14/13	3,501.45	-	20.70	0.00	3,480.75
MW - 2	08/22/13	3,501.45	-	20.75	0.00	3,480.70
MW - 2	08/27/13	3,501.45	-	20.77	0.00	3,480.68
MW - 2	09/05/13	3,501.45	-	20.84	0.00	3,480.61
MW - 2	09/10/13	3,501.45	-	20.91	0.00	3,480.54
MW - 2	09/17/13	3,501.45	-	20.94	0.00	3,480.51
MW - 2	09/24/13	3,501.45	-	20.80	0.00	3,480.65
MW - 2	10/07/13	3,501.45	-	20.98	0.00	3,480.47
MW - 2	10/23/13	3,501.45	-	20.86	0.00	3,480.59
MW - 2	10/30/13	3,501.45	-	20.86	0.00	3,480.59
MW - 2	11/06/13	3,501.45	-	20.83	0.00	3,480.62
MW - 2	11/14/13	3,501.45	-	20.73	0.00	3,480.72
MW - 2	*11/21/13*	3,501.45	-	20.73	0.00	3,480.72

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 2	12/12/13	3,501.45	-	20.67	0.00	3,480.78
MW - 2	12/19/13	3,501.45	-	20.63	0.00	3,480.82
MW - 2	12/24/13	3,501.45	-	20.62	0.00	3,480.83
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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	-	-	-	-
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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	-	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 - 3	11/28/11	3,495.97	-	21.12	0.00	3,474.85
MW - 3	12/12/11	3,495.97	-	21.13	0.00	3,474.84
MW - 3	01/10/12	3,495.97	-	21.01	0.00	3,474.96
MW - 3	01/17/12	3,495.97	-	21.23	0.00	3,474.74

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	01/25/12	3,495.97	-	21.09	0.00	3,474.88
MW - 3	02/01/12	3,495.97	-	21.06	0.00	3,474.91
MW - 3	*02/13/12*	3,495.97	-	20.94	0.00	3,475.03
MW - 3	03/07/12	3,495.97	-	20.90	0.00	3,475.07
MW - 3	03/19/12	3,495.97	-	20.84	0.00	3,475.13
MW - 3	03/28/12	3,495.97	-	20.62	0.00	3,475.35
MW - 3	04/04/12	3,495.97	-	20.72	0.00	3,475.25
MW - 3	04/11/12	3,495.97	-	20.66	0.00	3,475.31
MW - 3	04/18/12	3,495.97	-	20.73	0.00	3,475.24
MW - 3	04/25/12	3,495.97	-	20.64	0.00	3,475.33
MW - 3	05/03/12	3,495.97	-	20.69	0.00	3,475.28
MW - 3	05/09/12	3,495.97	-	20.75	0.00	3,475.22
MW - 3	05/16/12	3,495.97	-	20.79	0.00	3,475.18
MW - 3	*05/24/12*	3,495.97	-	20.76	0.00	3,475.21
MW - 3	06/01/12	3,495.97	-	20.70	0.00	3,475.27
MW - 3	06/06/12	3,495.97	-	20.71	0.00	3,475.26
MW - 3	06/14/12	3,495.97	-	20.80	0.00	3,475.17
MW - 3	06/20/12	3,495.97	-	20.91	0.00	3,475.06
MW - 3	06/26/12	3,495.97	-	20.83	0.00	3,475.14
MW - 3	07/11/12	3,495.97	-	21.05	0.00	3,474.92
MW - 3	07/18/12	3,495.97	-	21.11	0.00	3,474.86
MW - 3	08/02/12	3,495.97	-	21.21	0.00	3,474.76
MW - 3	*08/07/12*	3,495.97	-	21.20	0.00	3,474.77
MW - 3	08/17/12	3,495.97	-	21.29	0.00	3,474.68
MW - 3	09/06/12	3,495.97	-	21.36	0.00	3,474.61
MW - 3	09/11/12	3,495.97	-	21.33	0.00	3,474.64
MW - 3	09/25/12	3,495.97	-	21.40	0.00	3,474.57
MW - 3	10/02/12	3,495.97	-	21.41	0.00	3,474.56
MW - 3	10/09/12	3,495.97	-	21.34	0.00	3,474.63
MW - 3	10/17/12	3,495.97	-	21.34	0.00	3,474.63
MW - 3	10/24/12	3,495.97	-	21.31	0.00	3,474.66
MW - 3	11/01/12	3,495.97	-	21.20	0.00	3,474.77
MW - 3	11/14/12	3,495.97	-	21.09	0.00	3,474.88
MW - 3	*02/14/13*	3,495.97	-	20.89	0.00	3,475.08
MW - 3	03/19/13	3,495.97	-	20.85	0.00	3,475.12
MW - 3	04/04/13	3,495.97	-	20.89	0.00	3,475.08
MW - 3	04/09/13	3,495.97	-	20.85	0.00	3,475.12
MW - 3	04/17/13	3,495.97	-	20.89	0.00	3,475.08
MW - 3	04/23/13	3,495.97	-	20.82	0.00	3,475.15
MW - 3	04/30/13	3,495.97	-	20.78	0.00	3,475.19
MW - 3	05/08/13	3,495.97	-	20.79	0.00	3,475.18
MW - 3	*05/09/13*	3,495.97	-	20.79	0.00	3,475.18
MW - 3	05/14/13	3,495.97	-	20.76	0.00	3,475.21
MW - 3	05/22/13	3,495.97	-	20.73	0.00	3,475.24

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 3	05/29/13	3,495.97	-	20.78	0.00	3,475.19
MW - 3	06/05/13	3,495.97	-	20.77	0.00	3,475.20
MW - 3	06/11/13	3,495.97	-	20.87	0.00	3,475.10
MW - 3	06/19/13	3,495.97	-	20.92	0.00	3,475.05
MW - 3	06/28/13	3,495.97	-	20.96	0.00	3,475.01
MW - 3	07/01/13	3,495.97	-	21.11	0.00	3,474.86
MW - 3	07/11/13	3,495.97	-	21.14	0.00	3,474.83
MW - 3	07/23/13	3,495.97	-	21.19	0.00	3,474.78
MW - 3	07/30/13	3,495.97	-	21.19	0.00	3,474.78
MW - 3	*08/08/13*	3,495.97	-	21.04	0.00	3,474.93
MW - 3	08/14/13	3,495.97	-	21.14	0.00	3,474.83
MW - 3	08/22/13	3,495.97	-	21.99	0.00	3,473.98
MW - 3	08/27/13	3,495.97	-	21.27	0.00	3,474.70
MW - 3	09/05/13	3,495.97	-	21.30	0.00	3,474.67
MW - 3	09/10/13	3,495.97	-	21.38	0.00	3,474.59
MW - 3	09/17/13	3,495.97	-	21.38	0.00	3,474.59
MW - 3	09/24/13	3,495.97	-	21.39	0.00	3,474.58
MW - 3	10/07/13	3,495.97	-	21.46	0.00	3,474.51
MW - 3	10/23/13	3,495.97	-	21.34	0.00	3,474.63
MW - 3	10/30/13	3,495.97	-	21.33	0.00	3,474.64
MW - 3	11/06/13	3,495.97	-	21.26	0.00	3,474.71
MW - 3	11/14/13	3,495.97	-	21.17	0.00	3,474.80
MW - 3	*11/21/13*	3,495.97	-	21.15	0.00	3,474.82
MW - 3	12/12/13	3,495.97	-	21.11	0.00	3,474.86
MW - 3	12/19/13	3,495.97	-	21.06	0.00	3,474.91
MW - 3	12/24/13	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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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
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 - 4	*02/13/12*	3,509.01	-	19.87	0.00	3,489.14
MW - 4	*05/24/12*	3,509.01	-	19.68	0.00	3,489.33
MW - 4	*08/07/12*	3,509.01	-	20.12	0.00	3,488.89
MW - 4	*11/14/12*	3,509.01	-	20.13	0.00	3,488.88
MW - 4	*02/14/13*	3,509.01	-	19.94	0.00	3,489.07
MW - 4	*05/09/13*	3,509.01	-	19.78	0.00	3,489.23
MW - 4	*08/08/13*	3,509.01	-	20.15	0.00	3,488.86

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 4	*11/21/13*	3,509.01	-	20.22	0.00	3,488.79
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 5	*02/16/09*	3,508.74	-	18.49	0.00	3,490.25
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	-	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 - 5	11/28/11	3,508.74	-	19.93	0.00	3,488.81
MW - 5	12/12/11	3,508.74	-	19.96	0.00	3,488.78
MW - 5	01/10/12	3,508.74	-	19.84	0.00	3,488.90
MW - 5	01/17/12	3,508.74	-	19.84	0.00	3,488.90
MW - 5	01/25/12	3,508.74	-	19.80	0.00	3,488.94
MW - 5	02/01/12	3,508.74	-	19.07	0.00	3,489.67
MW - 5	*02/13/12*	3,508.74	-	19.75	0.00	3,488.99
MW - 5	03/07/12	3,508.74	-	19.63	0.00	3,489.11
MW - 5	03/19/12	3,508.74	-	19.60	0.00	3,489.14
MW - 5	03/28/12	3,508.74	-	19.56	0.00	3,489.18
MW - 5	04/04/12	3,508.74	-	19.54	0.00	3,489.20
MW - 5	04/11/12	3,508.74	-	19.52	0.00	3,489.22
MW - 5	04/18/12	3,508.74	-	19.51	0.00	3,489.23
MW - 5	04/25/12	3,508.74	-	19.52	0.00	3,489.22
MW - 5	05/03/12	3,508.74	-	19.58	0.00	3,489.16

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 5	05/09/12	3,508.74	-	19.62	0.00	3,489.12
MW - 5	05/16/12	3,508.74	-	19.61	0.00	3,489.13
MW - 5	*05/24/12*	3,508.74	-	19.56	0.00	3,489.18
MW - 5	06/01/12	3,508.74	-	19.57	0.00	3,489.17
MW - 5	06/06/12	3,508.74	-	19.54	0.00	3,489.20
MW - 5	06/14/12	3,508.74	-	19.63	0.00	3,489.11
MW - 5	06/20/12	3,508.74	-	19.63	0.00	3,489.11
MW - 5	06/26/12	3,508.74	-	19.67	0.00	3,489.07
MW - 5	07/11/12	3,508.74	-	19.86	0.00	3,488.88
MW - 5	07/18/12	3,508.74	-	19.93	0.00	3,488.81
MW - 5	08/02/12	3,508.74	-	20.07	0.00	3,488.67
MW - 5	*08/07/12*	3,508.74	-	20.00	0.00	3,488.74
MW - 5	08/17/12	3,508.74	-	20.15	0.00	3,488.59
MW - 5	09/06/12	3,508.74	-	20.21	0.00	3,488.53
MW - 5	09/11/12	3,508.74	-	20.24	0.00	3,488.50
MW - 5	09/25/12	3,508.74	-	20.31	0.00	3,488.43
MW - 5	10/02/12	3,508.74	-	20.29	0.00	3,488.45
MW - 5	10/09/12	3,508.74	-	20.23	0.00	3,488.51
MW - 5	10/17/12	3,508.74	-	20.15	0.00	3,488.59
MW - 5	10/24/12	3,508.74	-	20.12	0.00	3,488.62
MW - 5	11/01/12	3,508.74	-	20.07	0.00	3,488.67
MW - 5	11/14/12	3,508.74	-	20.00	0.00	3,488.74
MW - 5	*02/14/13*	3,508.74	-	19.82	0.00	3,488.92
MW - 5	03/19/13	3,508.74	-	19.75	0.00	3,488.99
MW - 5	04/04/13	3,508.74	-	19.71	0.00	3,489.03
MW - 5	04/09/13	3,508.74	-	19.71	0.00	3,489.03
MW - 5	04/17/13	3,508.74	-	19.70	0.00	3,489.04
MW - 5	04/23/13	3,508.74	-	19.70	0.00	3,489.04
MW - 5	04/30/13	3,508.74	-	19.68	0.00	3,489.06
MW - 5	04/30/13	3,508.74	-	19.66	0.00	3,489.08
MW - 5	05/08/13	3,508.74	-	19.65	0.00	3,489.09
MW - 5	*05/09/13*	3,508.74	-	19.67	0.00	3,489.07
MW - 5	05/14/13	3,508.74	-	19.66	0.00	3,489.08
MW - 5	05/22/13	3,508.74	-	19.64	0.00	3,489.10
MW - 5	05/29/13	3,508.74	-	19.66	0.00	3,489.08
MW - 5	06/05/13	3,508.74	-	19.72	0.00	3,489.02
MW - 5	06/11/13	3,508.74	-	19.75	0.00	3,488.99
MW - 5	06/19/13	3,508.74	-	19.79	0.00	3,488.95
MW - 5	06/28/13	3,508.74	-	19.93	0.00	3,488.81
MW - 5	07/01/13	3,508.74	-	19.96	0.00	3,488.78
MW - 5	07/11/13	3,508.74	-	20.07	0.00	3,488.67
MW - 5	07/23/13	3,508.74	-	20.08	0.00	3,488.66
MW - 5	07/30/13	3,508.74	-	20.03	0.00	3,488.71
MW - 5	*08/08/13*	3,508.74	-	20.01	0.00	3,488.73

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 5	08/14/13	3,508.74	-	20.07	0.00	3,488.67
MW - 5	08/22/13	3,508.74	-	20.11	0.00	3,488.63
MW - 5	08/27/13	3,508.74	-	20.17	0.00	3,488.57
MW - 5	09/05/13	3,508.74	-	20.22	0.00	3,488.52
MW - 5	09/10/13	3,508.74	-	20.28	0.00	3,488.46
MW - 5	09/17/13	3,508.74	-	20.32	0.00	3,488.42
MW - 5	09/24/13	3,508.74	-	20.32	0.00	3,488.42
MW - 5	10/07/13	3,508.74	-	20.38	0.00	3,488.36
MW - 5	10/23/13	3,508.74	-	20.26	0.00	3,488.48
MW - 5	10/30/13	3,508.74	-	20.21	0.00	3,488.53
MW - 5	11/06/13	3,508.74	-	20.18	0.00	3,488.56
MW - 5	11/14/13	3,508.74	-	20.10	0.00	3,488.64
MW - 5	*11/21/13*	3,508.74	-	20.10	0.00	3,488.64
MW - 5	12/12/13	3,508.74	-	20.05	0.00	3,488.69
MW - 5	12/19/13	3,508.74	-	20.01	0.00	3,488.73
MW - 5	12/24/13	3,508.74	-	19.99	0.00	3,488.75
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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 - 6	*02/13/12*	3,509.76	-	19.75	0.00	3,490.01
MW - 6	*05/24/12*	3,509.76	-	20.56	0.00	3,489.20
MW - 6	*08/07/12*	3,509.76	-	21.00	0.00	3,488.76
MW - 6	*11/14/12*	3,509.76	-	21.01	0.00	3,488.75
MW - 6	*02/14/13*	3,509.76	-	20.79	0.00	3,488.97
MW - 6	04/04/13	3,509.76	-	20.71	0.00	3,489.05
MW - 6	04/09/13	3,509.76	-	20.69	0.00	3,489.07
MW - 6	04/17/13	3,509.76	-	20.68	0.00	3,489.08
MW - 6	04/23/13	3,509.76	-	20.69	0.00	3,489.07
MW - 6	04/30/13	3,509.76	-	20.69	0.00	3,489.07
MW - 6	05/08/13	3,509.76	-	20.65	0.00	3,489.11
MW - 6	*05/09/13*	3,509.76	-	20.66	0.00	3,489.10
MW - 6	05/14/13	3,509.76	-	20.67	0.00	3,489.09
MW - 6	05/22/13	3,509.76	-	20.66	0.00	3,489.10
MW - 6	05/29/13	3,509.76	-	20.68	0.00	3,489.08
MW - 6	06/11/13	3,509.76	-	20.73	0.00	3,489.03

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 6	06/19/13	3,509.76	-	20.76	0.00	3,489.00
MW - 6	06/28/13	3,509.76	-	20.87	0.00	3,488.89
MW - 6	07/01/13	3,509.76	-	20.90	0.00	3,488.86
MW - 6	07/11/13	3,509.76	-	20.99	0.00	3,488.77
MW - 6	07/23/13	3,509.76	-	21.07	0.00	3,488.69
MW - 6	07/30/13	3,509.76	-	21.03	0.00	3,488.73
MW - 6	*08/08/13*	3,509.76	-	20.97	0.00	3,488.79
MW - 6	08/14/13	3,509.76	-	21.03	0.00	3,488.73
MW - 6	08/22/13	3,509.76	-	21.06	0.00	3,488.70
MW - 6	08/27/13	3,509.76	-	21.12	0.00	3,488.64
MW - 6	09/05/13	3,509.76	-	21.19	0.00	3,488.57
MW - 6	09/10/13	3,509.76	-	21.24	0.00	3,488.52
MW - 6	09/17/13	3,509.76	-	21.26	0.00	3,488.50
MW - 6	09/24/13	3,509.76	-	21.25	0.00	3,488.51
MW - 6	10/07/13	3,509.76	-	21.31	0.00	3,488.45
MW - 6	10/23/13	3,509.76	-	21.26	0.00	3,488.50
MW - 6	10/30/13	3,509.76	-	21.23	0.00	3,488.53
MW - 6	11/06/13	3,509.76	-	21.21	0.00	3,488.55
MW - 6	11/14/13	3,509.76	-	21.18	0.00	3,488.58
MW - 6	*11/21/13*	3,509.76	-	21.10	0.00	3,488.66
MW - 6	12/12/13	3,509.76	-	21.06	0.00	3,488.70
MW - 6	12/19/13	3,509.76	-	21.04	0.00	3,488.72
MW - 6	12/24/13	3,509.76	-	21.00	0.00	3,488.76
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
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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	-	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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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 - 7	11/28/11	3,507.38	-	18.81	0.00	3,488.57
MW - 7	12/12/11	3,507.38	-	18.80	0.00	3,488.58
MW - 7	01/10/12	3,507.38	-	18.71	0.00	3,488.67
MW - 7	01/17/12	3,507.38	-	18.70	0.00	3,488.68
MW - 7	01/25/12	3,507.38	-	18.69	0.00	3,488.69
MW - 7	02/01/12	3,507.38	-	18.66	0.00	3,488.72
MW - 7	*02/13/12*	3,507.38	-	18.62	0.00	3,488.76
MW - 7	03/07/12	3,507.38	-	18.52	0.00	3,488.86
MW - 7	03/19/12	3,507.38	-	18.49	0.00	3,488.89
MW - 7	03/28/12	3,507.38	-	18.45	0.00	3,488.93
MW - 7	04/04/12	3,507.38	-	18.44	0.00	3,488.94
MW - 7	04/11/12	3,507.38	-	18.43	0.00	3,488.95
MW - 7	04/18/12	3,507.38	-	18.42	0.00	3,488.96
MW - 7	04/25/12	3,507.38	-	18.43	0.00	3,488.95
MW - 7	05/03/12	3,507.38	-	18.47	0.00	3,488.91
MW - 7	05/09/12	3,507.38	-	18.53	0.00	3,488.85
MW - 7	05/16/12	3,507.38	-	18.51	0.00	3,488.87
MW - 7	*05/24/12*	3,507.38	-	18.47	0.00	3,488.91
MW - 7	06/01/12	3,507.38	-	18.47	0.00	3,488.91
MW - 7	06/06/12	3,507.38	-	18.46	0.00	3,488.92
MW - 7	06/14/12	3,507.38	-	18.52	0.00	3,488.86
MW - 7	06/20/12	3,507.38	-	18.52	0.00	3,488.86
MW - 7	06/26/12	3,507.38	-	18.55	0.00	3,488.83
MW - 7	07/11/12	3,507.38	-	18.73	0.00	3,488.65
MW - 7	07/18/12	3,507.38	-	18.80	0.00	3,488.58
MW - 7	08/02/12	3,507.38	-	18.88	0.00	3,488.50
MW - 7	*08/07/12*	3,507.38	-	18.91	0.00	3,488.47
MW - 7	08/17/12	3,507.38	-	18.94	0.00	3,488.44
MW - 7	09/06/12	3,507.38	-	19.02	0.00	3,488.36
MW - 7	09/11/12	3,507.38	-	19.05	0.00	3,488.33
MW - 7	09/25/12	3,507.38	-	19.09	0.00	3,488.29
MW - 7	10/02/12	3,507.38	-	19.13	0.00	3,488.25
MW - 7	10/09/12	3,507.38	-	19.07	0.00	3,488.31
MW - 7	10/17/12	3,507.38	-	19.01	0.00	3,488.37
MW - 7	10/24/12	3,507.38	-	19.00	0.00	3,488.38
MW - 7	11/01/12	3,507.38	-	18.94	0.00	3,488.44
MW - 7	11/14/12	3,507.38	-	18.89	0.00	3,488.49

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 7	*02/14/13*	3,507.38	-	18.72	0.00	3,488.66
MW - 7	03/19/13	3,507.38	-	18.77	0.00	3,488.61
MW - 7	04/04/13	3,507.38	-	18.74	0.00	3,488.64
MW - 7	04/09/13	3,507.38	-	18.64	0.00	3,488.74
MW - 7	04/17/13	3,507.38	-	18.72	0.00	3,488.66
MW - 7	04/23/13	3,507.38	-	18.73	0.00	3,488.65
MW - 7	04/30/13	3,507.38	-	18.72	0.00	3,488.66
MW - 7	05/08/13	3,507.38	-	18.79	0.00	3,488.59
MW - 7	*05/09/13*	3,507.38	-	18.59	0.00	3,488.79
MW - 7	05/14/13	3,507.38	-	18.61	0.00	3,488.77
MW - 7	05/22/13	3,507.38	-	18.77	0.00	3,488.61
MW - 7	05/29/13	3,507.38	-	18.67	0.00	3,488.71
MW - 7	06/05/13	3,507.38	-	18.72	0.00	3,488.66
MW - 7	06/11/13	3,507.38	-	18.68	0.00	3,488.70
MW - 7	06/19/13	3,507.38	-	18.78	0.00	3,488.60
MW - 7	06/28/13	3,507.38	-	18.92	0.00	3,488.46
MW - 7	07/01/13	3,507.38	-	19.07	0.00	3,488.31
MW - 7	07/11/13	3,507.38	-	19.13	0.00	3,488.25
MW - 7	07/23/13	3,507.38	-	19.02	0.00	3,488.36
MW - 7	07/30/13	3,507.38	-	18.97	0.00	3,488.41
MW - 7	*08/08/13*	3,507.38	-	18.89	0.00	3,488.49
MW - 7	08/14/13	3,507.38	-	18.98	0.00	3,488.40
MW - 7	08/22/13	3,507.38	-	19.16	0.00	3,488.22
MW - 7	08/27/13	3,507.38	-	19.10	0.00	3,488.28
MW - 7	09/05/13	3,507.38	-	19.08	0.00	3,488.30
MW - 7	09/10/13	3,507.38	-	19.27	0.00	3,488.11
MW - 7	09/17/13	3,507.38	-	19.28	0.00	3,488.10
MW - 7	09/24/13	3,507.38	-	19.15	0.00	3,488.23
MW - 7	10/07/13	3,507.38	-	19.22	0.00	3,488.16
MW - 7	10/23/13	3,507.38	-	19.12	0.00	3,488.26
MW - 7	10/30/13	3,507.38	-	19.18	0.00	3,488.20
MW - 7	11/06/13	3,507.38	-	19.07	0.00	3,488.31
MW - 7	11/14/13	3,507.38	-	19.01	0.00	3,488.37
MW - 7	*11/21/13*	3,507.38	-	18.98	0.00	3,488.40
MW - 7	12/12/13	3,507.38	-	18.95	0.00	3,488.43
MW - 7	12/19/13	3,507.38	-	18.93	0.00	3,488.45
MW - 7	12/24/13	3,507.38	-	18.96	0.00	3,488.42
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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 - 8	*02/13/12*	3,512.14	-	23.64	0.00	3,488.50
MW - 8	*05/24/12*	3,512.14	-	23.46	0.00	3,488.68
MW - 8	*08/07/12*	3,512.14	-	23.90	0.00	3,488.24
MW - 8	*11/14/12*	3,512.14	-	23.92	0.00	3,488.22
MW - 8	*02/14/13*	3,512.14	-	23.71	0.00	3,488.43
MW - 8	*05/09/13*	3,512.14	-	23.56	0.00	3,488.58
MW - 8	*08/08/13*	3,512.14	-	23.89	0.00	3,488.25
MW - 8	*11/21/13*	3,512.14	-	24.02	0.00	3,488.12
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 9	*03/20/07*	3,509.34	-	20.94	0.00	3,488.40
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 - 9	*02/13/12*	3,509.34	-	21.92	0.00	3,487.42
MW - 9	*05/24/12*	3,509.34	-	21.75	0.00	3,487.59
MW - 9	*08/07/12*	3,509.34	-	22.19	0.00	3,487.15
MW - 9	*11/14/12*	3,509.34	-	22.19	0.00	3,487.15
MW - 9	*02/14/13*	3,509.34	-	27.01	0.00	3,482.33
MW - 9	*05/09/13*	3,509.34	-	21.89	0.00	3,487.45
MW - 9	*08/08/13*	3,509.34	-	22.18	0.00	3,487.16
MW - 9	*11/21/13*	3,509.34	-	22.29	0.00	3,487.05
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

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
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
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
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 - 10	11/28/11	3,506.66	-	19.32	0.00	3,487.34
MW - 10	12/12/11	3,506.66	-	19.33	0.00	3,487.33
MW - 10	01/10/12	3,506.66	-	19.23	0.00	3,487.43
MW - 10	01/17/12	3,506.66	-	19.23	0.00	3,487.43
MW - 10	01/25/12	3,506.66	-	19.20	0.00	3,487.46
MW - 10	02/01/12	3,506.66	-	19.17	0.00	3,487.49
MW - 10	*02/13/12*	3,506.66	-	19.15	0.00	3,487.51
MW - 10	03/07/12	3,506.66	-	19.05	0.00	3,487.61
MW - 10	03/19/12	3,506.66	-	19.00	0.00	3,487.66
MW - 10	03/28/12	3,506.66	-	18.57	0.00	3,488.09

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 10	04/04/12	3,506.66	-	18.96	0.00	3,487.70
MW - 10	04/11/12	3,506.66	-	18.95	0.00	3,487.71
MW - 10	04/18/12	3,506.66	-	18.95	0.00	3,487.71
MW - 10	04/25/12	3,506.66	-	18.99	0.00	3,487.67
MW - 10	05/03/12	3,506.66	-	19.03	0.00	3,487.63
MW - 10	05/09/12	3,506.66	-	19.07	0.00	3,487.59
MW - 10	05/16/12	3,506.66	-	19.05	0.00	3,487.61
MW - 10	*05/24/12*	3,506.66	-	19.00	0.00	3,487.66
MW - 10	06/01/12	3,506.66	-	19.01	0.00	3,487.65
MW - 10	06/06/12	3,506.66	-	19.01	0.00	3,487.65
MW - 10	06/14/12	3,506.66	-	19.08	0.00	3,487.58
MW - 10	06/20/12	3,506.66	-	19.06	0.00	3,487.60
MW - 10	06/26/12	3,506.66	-	19.11	0.00	3,487.55
MW - 10	07/11/12	3,506.66	-	19.26	0.00	3,487.40
MW - 10	07/18/12	3,506.66	-	19.36	0.00	3,487.30
MW - 10	08/02/12	3,506.66	-	19.43	0.00	3,487.23
MW - 10	*08/07/12*	3,506.66	-	19.40	0.00	3,487.26
MW - 10	08/17/12	3,506.66	-	19.50	0.00	3,487.16
MW - 10	09/06/12	3,506.66	-	19.57	0.00	3,487.09
MW - 10	09/11/12	3,506.66	-	19.59	0.00	3,487.07
MW - 10	09/25/12	3,506.66	-	19.65	0.00	3,487.01
MW - 10	10/02/12	3,506.66	-	19.66	0.00	3,487.00
MW - 10	10/09/12	3,506.66	-	19.59	0.00	3,487.07
MW - 10	10/17/12	3,506.66	-	19.53	0.00	3,487.13
MW - 10	10/24/12	3,506.66	-	19.57	0.00	3,487.09
MW - 10	11/01/12	3,506.66	-	19.47	0.00	3,487.19
MW - 10	11/14/12	3,506.66	-	19.42	0.00	3,487.24
MW - 10	*02/14/13*	3,506.66	-	19.26	0.00	3,487.40
MW - 10	03/19/13	3,506.66	-	19.21	0.00	3,487.45
MW - 10	04/04/13	3,506.66	-	19.18	0.00	3,487.48
MW - 10	04/09/13	3,506.66	-	19.17	0.00	3,487.49
MW - 10	04/17/13	3,506.66	-	19.16	0.00	3,487.50
MW - 10	04/23/13	3,506.66	-	19.17	0.00	3,487.49
MW - 10	04/30/13	3,506.66	-	19.15	0.00	3,487.51
MW - 10	05/08/13	3,506.66	-	19.14	0.00	3,487.52
MW - 10	*05/09/13*	3,506.66	-	19.14	0.00	3,487.52
MW - 10	05/14/13	3,506.66	-	19.15	0.00	3,487.51
MW - 10	05/22/13	3,506.66	-	19.14	0.00	3,487.52
MW - 10	05/29/13	3,506.66	-	19.15	0.00	3,487.51
MW - 10	06/05/13	3,506.66	-	19.21	0.00	3,487.45
MW - 10	06/11/13	3,506.66	-	19.22	0.00	3,487.44
MW - 10	06/19/13	3,506.66	-	19.22	0.00	3,487.44
MW - 10	06/28/13	3,506.66	-	19.36	0.00	3,487.30
MW - 10	07/01/13	3,506.66	-	19.38	0.00	3,487.28

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 10	07/11/13	3,506.66	-	19.50	0.00	3,487.16
MW - 10	07/23/13	3,506.66	-	19.48	0.00	3,487.18
MW - 10	07/30/13	3,506.66	-	19.47	0.00	3,487.19
MW - 10	*08/08/13*	3,506.66	-	19.44	0.00	3,487.22
MW - 10	08/14/13	3,506.66	-	19.47	0.00	3,487.19
MW - 10	08/22/13	3,506.66	-	19.54	0.00	3,487.12
MW - 10	08/27/13	3,506.66	-	19.58	0.00	3,487.08
MW - 10	09/05/13	3,506.66	-	19.63	0.00	3,487.03
MW - 10	09/10/13	3,506.66	-	19.67	0.00	3,486.99
MW - 10	09/17/13	3,506.66	-	19.69	0.00	3,486.97
MW - 10	09/24/13	3,506.66	-	19.69	0.00	3,486.97
MW - 10	10/07/13	3,506.66	-	19.74	0.00	3,486.92
MW - 10	10/23/13	3,506.66	-	19.62	0.00	3,487.04
MW - 10	10/30/13	3,506.66	-	19.60	0.00	3,487.06
MW - 10	11/06/13	3,506.66	-	19.58	0.00	3,487.08
MW - 10	11/14/13	3,506.66	-	19.55	0.00	3,487.11
MW - 10	*11/21/13*	3,506.66	-	19.53	0.00	3,487.13
MW - 10	12/12/13	3,506.66	-	19.49	0.00	3,487.17
MW - 10	12/19/13	3,506.66	-	19.47	0.00	3,487.19
MW - 10	12/24/13	3,506.66	-	19.45	0.00	3,487.21
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	-
MW - 11	*02/13/12*	-	-	21.09	0.00	-
MW - 11	*05/24/12*	-	-	20.96	0.00	-
MW - 11	*08/07/12*	-	-	21.40	0.00	-
MW - 11	*11/14/12*	-	-	21.39	0.00	-

TABLE 1

Ground Water Elevation Data

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

Well Number	Date Measured	Casing Well Elevation	Depth To Product	Depth To Water	PSH Thickness	Corrected Groundwater Elevation
MW - 11	*02/14/13*	Damaged				
MW - 11	*2/26/2013**			17.71	0.00	
MW - 11	*05/09/13*	Damaged				
MW - 11	*08/08/13*	Damaged				
MW - 11	*11/21/13*	Damaged				

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

*MW-11 was damaged during backfill activities at TNM 97-17 during the the 4th quarter of 2012. NOVA was unable to retrieve a sample during the sampling event on 2/14/13. Attempted to resampled MW-11 on 2/26/13 and suceeded. After the 1st quarter sampling event, the well became dry and was unable to sample the 2nd, 3rd, and 4th quarters.

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 - 1	02/13/12	**0.427**	<0.005	0.296	0.2300	
MW - 1	05/24/12	**0.398**	<0.050	0.442	0.2960	
MW - 1	08/07/12	**0.469**	<0.050	0.511	0.2180	
MW - 1	11/14/12	**0.449**	<0.005	0.563	0.2570	
MW - 1	02/14/13	**0.409**	<0.00500	0.585	0.210	

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	05/09/13	**0.467**	<0.00500	0.496	0.231	
MW - 1	08/08/13	**0.520**	<0.00500	0.645	0.261	
MW - 1	11/21/13	**0.475**	<0.00500	0.524	0.238	
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**	
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 - 2	02/13/12	**0.1570**	<0.005	0.0882	<0.005	

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	05/24/12	**0.1860**	<0.050	0.128	0.0986	
MW - 2	08/07/12	**1.1000**	<0.050	0.368	0.1050	
MW - 2	11/14/12	**0.4270**	<0.005	0.191	0.1100	
MW - 2	02/14/13	**0.475**	<0.0100	0.202	0.119	
MW - 2	05/09/13	**0.224**	<0.00500	0.101	0.0644	
MW - 2	08/08/13	**0.632**	<0.00500	0.241	0.150	
MW - 2	11/21/13	**0.360**	<0.00100	0.142	0.114	
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				
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	08/27/08	Not Sampled Due to PSH in Well				
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	

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	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 - 3	02/13/12	**0.027**	<0.005	<0.005	<0.005	
MW - 3	05/24/12	**0.065**	<0.001	0.0704	0.0407	
MW - 3	08/07/12	**0.393**	<0.050	0.1360	<0.050	
MW - 3	11/14/12	**0.160**	<0.005	0.4860	0.1270	
MW - 3	02/14/13	**0.274**	<0.00500	0.718	0.255	
MW - 3	05/09/13	**0.127**	<0.00500	0.191	0.0838	
MW - 3	08/08/13	**0.352**	<0.00500	0.086	0.0706	
MW - 3	11/21/13	**0.337**	0.00310	0.0652	0.0720	
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	02/26/08	Not Sampled on Current Sample Schedule				
MW - 4	05/22/08	Not Sampled on Current Sample Schedule				
MW - 4	08/27/08	Not Sampled on Current Sample Schedule				
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	
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				

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	08/05/10	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 - 4	02/13/12	Not Sampled on Current Sample Schedule				
MW - 4	05/24/12	Not Sampled on Current Sample Schedule				
MW - 4	08/07/12	Not Sampled on Current Sample Schedule				
MW - 4	11/14/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/14/13	Not Sampled on Current Sample Schedule				
MW - 4	05/09/13	Not Sampled on Current Sample Schedule				
MW - 4	08/08/13	Not Sampled on Current Sample Schedule				
MW - 4	11/21/13	<0.00100	<0.00100	<0.00100	<0.00100	
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	

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	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	
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 - 5	02/13/12	**0.0292**	<0.001	0.0412	<0.001	
MW - 5	05/24/12	**0.0251**	<0.001	0.0725	0.0186	
MW - 5	08/07/12	**0.0621**	<0.001	0.0172	0.0111	
MW - 5	11/14/12	**0.0225**	<0.005	0.0217	<0.005	
MW - 5	02/14/13	**0.0201**	<0.00500	<0.00500	<0.00500	
MW - 5	05/09/13	0.00890	<0.00100	0.0103	<0.00100	
MW - 5	08/08/13	**0.0122**	<0.00100	0.0048	<0.00100	
MW - 5	11/21/13	**0.0245**	<0.00100	0.00490	<0.00300	
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	

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 - 6	02/16/09	Not Sampled				
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 - 6	02/13/12	0.0068	<0.001	<0.001	<0.001	
MW - 6	05/24/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/07/12	0.0023	<0.001	<0.001	<0.001	
MW - 6	11/14/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/14/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	05/09/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	08/08/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 6	11/21/13	0.00170	<0.00100	<0.00100	<0.00300	
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**	
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	

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	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 - 7	02/13/12	**0.539**	<0.005	0.200	0.2510	
MW - 7	05/24/12	**0.419**	<0.050	0.151	0.1420	
MW - 7	08/07/12	**1.060**	<0.050	0.515	0.4720	
MW - 7	11/14/12	**0.762**	<0.005	0.288	0.3030	
MW - 7	02/14/13	**0.610**	<0.01000	0.290	0.265	
MW - 7	05/09/13	**0.505**	<0.00500	0.211	0.155	
MW - 7	08/08/13	**0.590**	<0.00500	0.226	0.105	
MW - 7	11/21/13	**0.449**	<0.00500	0.190	0.0711	
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	
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	

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	08/06/09	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 - 8	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 8	05/24/12	<0.001	<0.001	<0.001	0.0020	
MW - 8	08/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 8	11/14/12	<0.001	<0.001	<0.001	<0.001	
MW - 8	02/14/13	Not Sampled on Current Sample Schedule				
MW - 8	05/09/13	Not Sampled on Current Sample Schedule				
MW - 8	08/08/13	Not Sampled on Current Sample Schedule				
MW - 8	11/21/13	<0.00100	<0.00100	<0.00100	<0.00300	
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	

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 - 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	
MW - 9	02/13/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	05/24/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	08/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/14/12	<0.001	<0.001	<0.001	<0.001	
MW - 9	02/14/13	Not Sampled on Current Sample Schedule				
MW - 9	05/09/13	Not Sampled on Current Sample Schedule				
MW - 9	08/08/13	Not Sampled on Current Sample Schedule				
MW - 9	11/21/13	<0.00100	<0.00100	<0.00100	<0.00300	
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	

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	02/13/12	**0.2080**	<0.001	0.0172	0.0248	
MW - 10	05/24/12	**0.2690**	<0.050	<0.050	<0.050	
MW - 10	08/07/12	**0.5270**	<0.050	0.0857	<0.050	
MW - 10	11/14/12	**0.2440**	<0.005	<0.005	<0.005	
MW - 10	02/14/13	**0.256**	<0.00500	<0.00500	<0.00500	
MW - 10	05/09/13	**0.256**	<0.00500	<0.00500	<0.00500	
MW - 10	08/08/13	**0.300**	<0.00500	0.0719	0.0226	
MW - 10	11/21/13	**0.362**	<0.00100	0.0389	<0.00300	
MW - 11	08/22/07	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	11/29/07	<0.005	<0.005	<0.005	<0.00500	
MW - 11	02/26/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	05/22/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	08/27/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	11/20/08	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/16/09	Not Sampled				
MW - 11	05/29/09	<0.00100	<0.00100	0.0042	<0.00100	
MW - 11	08/06/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	11/10/09	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/04/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	05/06/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	08/05/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	11/04/10	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/09/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	05/03/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	08/02/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	11/21/11	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/13/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	05/24/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	08/07/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	11/14/12	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/26/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	05/09/13	**Monitor Well Damaged, could not sample**				
MW - 11	08/08/13	**Monitor Well Damaged, could not sample**				
MW - 11	11/21/13	**Monitor Well Damaged, could not sample**				

Summary Report

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

Report Date: February 20, 2013

Work Order: 13021501

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
321195	MW-6	water	2013-02-14	13:41	2013-02-15
321196	MW-5	water	2013-02-14	13:29	2013-02-15
321197	MW-3	water	2013-02-14	13:58	2013-02-15
321198	MW-10	water	2013-02-14	12:44	2013-02-15
321199	MW-2	water	2013-02-14	13:20	2013-02-15
321200	MW-1	water	2013-02-14	13:09	2013-02-15
321201	MW-7	water	2013-02-14	12:55	2013-02-15

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
321195 - MW-6	<0.00100 Qr	<0.00100 Qr	<0.00100 Qr	<0.00100 Qr
321196 - MW-5	**0.0201** Qr	<0.00500 [1] Qr	<0.00500 Qr	<0.00500 Qr
321197 - MW-3	**0.274** Qr	<0.00500 [2] Qr	**0.718** Qr	**0.255** Qr
321198 - MW-10	**0.256** [3] Qr	<0.00500 Qr	<0.00500 Qr	<0.00500 Qr
321199 - MW-2	**0.475** Qr	<0.0100 [4] Qr	**0.202** Qr	**0.119** Qr
321200 - MW-1	**0.409** Qr	<0.00500 [5] Qr	**0.585** Qr	**0.210** Qr
321201 - MW-7	**0.610** [6] Qr	<0.0100 Qr	**0.290** Qr	**0.265** Qr

[1] Dilution due to surfactant.
[2] Dilution due to hydrocarbons.
[3] Dilution due to surfactant.
[4] Dilution due to surfactant.
[5] Dilution due to surfactant.
[6] Dilution due to surfactant.

This is only a summary. Please, refer to the complete report package for quality control data.

TRACEANALYSIS, INC.

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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: February 20, 2013

Work Order: 13021501

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
321195	MW-6	water	2013-02-14	13:41	2013-02-15
321196	MW-5	water	2013-02-14	13:29	2013-02-15
321197	MW-3	water	2013-02-14	13:58	2013-02-15
321198	MW-10	water	2013-02-14	12:44	2013-02-15
321199	MW-2	water	2013-02-14	13:20	2013-02-15
321200	MW-1	water	2013-02-14	13:09	2013-02-15
321201	MW-7	water	2013-02-14	12:55	2013-02-15

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 2013-02-15 and assigned to work order 13021501. Samples for work order 13021501 were received intact without headspace and at a temperature of 10.1 C. Samples were received on ice.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	83955	2013-02-19 at 17:00	99094	2013-02-19 at 17:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 13021501 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: 321195 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0996	mg/L	1	0.100	100	68.1 - 109

Sample: 321196 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	Qr	1	**0.0201**	mg/L	5	0.00100
Toluene [1]	Qr,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,U	1	<0.00500	mg/L	5	0.00100
Xylene	Qr,U	1	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.508	mg/L	5	0.500	102	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.498	mg/L	5	0.500	100	68.1 - 109

Sample: 321197 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	Qr	1	**0.274**	mg/L	5	0.00100
Toluene [2]	Qr,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr	1	**0.718**	mg/L	5	0.00100
Xylene	Qr	1	**0.255**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.513	mg/L	5	0.500	103	75.7 - 109
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	0.624	mg/L	5	0.500	125	68.1 - 109

Sample: 321198 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [3]	Qr	1	**0.256**	mg/L	5	0.00100
Toluene	Qr,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,U	1	<0.00500	mg/L	5	0.00100
Xylene	Qr,U	1	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.513	mg/L	5	0.500	103	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.511	mg/L	5	0.500	102	68.1 - 109

Sample: 321199 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

Parameter		Flag	Cert	Result	RL Units	Dilution	RL
Benzene		Qr	1	**0.475**	mg/L	10	0.00100
Toluene	4	Qr,U	1	<0.0100	mg/L	10	0.00100
Ethylbenzene		Qr	1	**0.202**	mg/L	10	0.00100
Xylene		Qr	1	**0.119**	mg/L	10	0.00100

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr		1.10	mg/L	10	1.00	110	75.7 - 109
4-Bromofluorobenzene (4-BFB)				1.02	mg/L	10	1.00	102	68.1 - 109

Sample: 321200 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

Parameter		Flag	Cert	Result	RL Units	Dilution	RL
Benzene		Qr	1	**0.409**	mg/L	5	0.00100
Toluene	5	Qr,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene		Qr	1	**0.585**	mg/L	5	0.00100
Xylene		Qr	1	**0.210**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.518	mg/L	5	0.500	104	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.545	mg/L	5	0.500	109	68.1 - 109

Sample: 321201 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	Sample Preparation:	2013-02-19	Prepared By:	YG

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [6]	Qr	1	**0.610**	mg/L	10	0.00100
Toluene	Qr,U	1	<0.0100	mg/L	10	0.00100
Ethylbenzene	Qr	1	**0.290**	mg/L	10	0.00100
Xylene	Qr	1	**0.265**	mg/L	10	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.03	mg/L	10	1.00	103	75.7 - 109
4-Bromofluorobenzene (4-BFB)			1.03	mg/L	10	1.00	103	68.1 - 109

Method Blanks

Method Blank (1) QC Batch: 99094

QC Batch:	99094	Date Analyzed:	2013-02-19	Analyzed By:	YG
Prep Batch:	83955	QC Preparation:	2013-02-19	Prepared By:	YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.105	mg/L	1	0.100	105	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.100	mg/L	1	0.100	100	68.1 - 109

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG
Prep Batch: 83955 | QC Preparation: 2013-02-19 | Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.103	mg/L	1	0.100	<0.000200	103	80 - 120
Toluene		1	0.105	mg/L	1	0.100	<0.000300	105	80 - 120
Ethylbenzene		1	0.109	mg/L	1	0.100	<0.000400	109	70.6 - 120
Xylene		1	0.337	mg/L	1	0.300	<0.00120	112	79.2 - 120

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000200	102	80 - 120	1	20
Toluene		1	0.103	mg/L	1	0.100	<0.000300	103	80 - 120	2	20
Ethylbenzene		1	0.108	mg/L	1	0.100	<0.000400	108	70.6 - 120	1	20
Xylene		1	0.334	mg/L	1	0.300	<0.00120	111	79.2 - 120	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.106	0.105	mg/L	1	0.100	106	105	75.7 - 109
4-Bromofluorobenzene (4-BFB)	0.102	0.102	mg/L	1	0.100	102	102	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 321195

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG
Prep Batch: 83955 | QC Preparation: 2013-02-19 | Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	7	1	0.0434	mg/L	1	0.100	<0.000200	43	25.7 - 139
Toluene		1	0.0456	mg/L	1	0.100	<0.000300	46	32.7 - 134
Ethylbenzene		1	0.0499	mg/L	1	0.100	<0.000400	50	45.9 - 120
Xylene		1	0.156	mg/L	1	0.300	<0.00120	52	34.9 - 128

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

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[8] Qr	Qr	1	0.0764	mg/L	1	0.100	<0.000200	76	25.7 - 139	55	20
Toluene	Qr	Qr	1	0.0767	mg/L	1	0.100	<0.000300	77	32.7 - 134	51	20
Ethylbenzene	Qr	Qr	1	0.0809	mg/L	1	0.100	<0.000400	81	45.9 - 120	47	20
Xylene	Qr	Qr	1	0.251	mg/L	1	0.300	<0.00120	84	34.9 - 128	47	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)	0.105	0.104	mg/L	1	0.1	105	104	75.7 - 109
4-Bromofluorobenzene (4-BFB)	0.101	0.101	mg/L	1	0.1	101	101	68.1 - 109

Calibration Standards

Standard (CCV-1)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.102	102	80 - 120	2013-02-19
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-19
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-19
Xylene		1	mg/L	0.300	0.335	112	80 - 120	2013-02-19

Standard (CCV-2)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2013-02-19
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-19
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-19
Xylene		1	mg/L	0.300	0.336	112	80 - 120	2013-02-19

Standard (CCV-3)

QC Batch: 99094 | Date Analyzed: 2013-02-19 | Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.103	103	80 - 120	2013-02-19
Toluene		1	mg/L	0.100	0.104	104	80 - 120	2013-02-19
Ethylbenzene		1	mg/L	0.100	0.108	108	80 - 120	2013-02-19
Xylene		1	mg/L	0.300	0.336	112	80 - 120	2013-02-19

Appendix

Report Definitions

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

Laboratory Certifications

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

Standard Flags

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

Result Comments

1 Dilution due to surfactant.
2 Dilution due to hydrocarbons.
3 Dilution due to surfactant.
4 Dilution due to surfactant.
5 Dilution due to surfactant.
6 Dilution due to surfactant.
7 Matrix effect.
8 Matrix effect.

Attachments

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

LAB Order ID # 13021501

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

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

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

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

Company Name: Nova — **Phone #:** 432-520-7720

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

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

Invoice to: (If different from above)

Project #: ~~345 Lea~~ PB 2002-10286 — **Project Name:** 345 Lea

Project Location (including state): Lea Co, New Mexico — **Sampler Signature:** Preston Bridges

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
	~~Blank~~ PB	3	Voa	X				X				X		2.14.13	
321195	MW-6														1341
196	MW-5														1329
197	MW-3														1358
198	MW-10														1244
199	MW-2														1320
200	MW-1														1309
201	MW-7														1255

ANALYSIS REQUEST	
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, S04, 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:	
Preston Bridges	Nova	15 Feb 2013	0920		TA	2/15/13	8:20	INST 1C-1 °C OBS 10.1 °C COR 10.1 °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: Rush, Cool — ~~Accepted~~ Midland ag

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

Carrier #

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

ORIGINAL COPY

Summary Report

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

Report Date: March 1, 2013

Work Order: 13022703

Project Location: Eunice, NM
Project Name: 34 J Lea Station
Project Number: NM 2001
SRS #: 2002-10286

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
322139	MW-11	water	2013-02-26	13:53	2013-02-27

	BTEX			
	Benzene	Toluene	Ethylbenzene	Xylene
Sample - Field Code	(mg/L)	(mg/L)	(mg/L)	(mg/L)
322139 - MW-11	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs	<0.00100 Qs

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: March 1, 2013

Work Order: 13022703

Project Location: Eunice, NM
Project Name: 34 J Lea Station
Project Number: NM 2001
SRS #: 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
322139	MW-11	water	2013-02-26	13:53	2013-02-27

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

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

Report Contents

Case Narrative

Samples for project 34 J Lea Station were received by TraceAnalysis, Inc. on 2013-02-27 and assigned to work order 13022703. Samples for work order 13022703 were received intact without headspace and at a temperature of 7.3 C. Samples received on ice.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	84178	2013-03-01 at 11:10	99374	2013-03-01 at 11:11

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 13022703 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: 322139 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	99374	Date Analyzed:	2013-03-01	Analyzed By:	AH
Prep Batch:	84178	Sample Preparation:		Prepared By:	AH

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.109	mg/L	1	0.100	109	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0972	mg/L	1	0.100	97	68.1 - 109

Method Blanks

Method Blank (1) QC Batch: 99374

QC Batch:	99374	Date Analyzed:	2013-03-01	Analyzed By:	AH
Prep Batch:	84178	QC Preparation:	2013-03-01	Prepared By:	AH

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT) Qsr	Qsr		0.111	mg/L	1	0.100	111	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0992	mg/L	1	0.100	99	68.1 - 109

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 99374 | Date Analyzed: 2013-03-01 | Analyzed By: AH
Prep Batch: 84178 | QC Preparation: 2013-03-01 | Prepared By: AH

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0990	mg/L	1	0.100	<0.000200	99	80 - 120
Toluene		1	0.101	mg/L	1	0.100	<0.000300	101	80 - 120
Ethylbenzene		1	0.105	mg/L	1	0.100	<0.000400	105	70.6 - 120
Xylene		1	0.326	mg/L	1	0.300	<0.00120	109	79.2 - 120

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0984	mg/L	1	0.100	<0.000200	98	80 - 120	1	20
Toluene		1	0.100	mg/L	1	0.100	<0.000300	100	80 - 120	1	20
Ethylbenzene		1	0.105	mg/L	1	0.100	<0.000400	105	70.6 - 120	0	20
Xylene		1	0.326	mg/L	1	0.300	<0.00120	109	79.2 - 120	0	20

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

Surrogate			LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	Qsr	Qsr	0.112	0.112	mg/L	1	0.100	112	112	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.102	0.102	mg/L	1	0.100	102	102	68.1 - 109

Matrix Spike (MS-1) Spiked Sample: 322213

QC Batch: 99374 | Date Analyzed: 2013-03-01 | Analyzed By: AH
Prep Batch: 84178 | QC Preparation: 2013-03-01 | Prepared By: AH

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	Qs	Qs	1	0.0214	mg/L	1	0.100	<0.000200	21	25.7 - 139
Toluene	Qs	Qs	1	0.0217	mg/L	1	0.100	<0.000300	22	32.7 - 134
Ethylbenzene	Qs	Qs	1	0.0275	mg/L	1	0.100	<0.000400	28	45.9 - 120
Xylene	Qs	Qs	1	0.0868	mg/L	1	0.300	<0.00120	29	34.9 - 128

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

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	Qs	Qs	1	0.0252	mg/L	1	0.100	<0.000200	25	25.7 - 139	16	20
Toluene	Qs	Qs	1	0.0257	mg/L	1	0.100	<0.000300	26	32.7 - 134	17	20
Ethylbenzene	Qs	Qs	1	0.0304	mg/L	1	0.100	<0.000400	30	45.9 - 120	10	20
Xylene	Qs	Qs	1	0.0951	mg/L	1	0.300	<0.00120	32	34.9 - 128	9	20

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

Surrogate			MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	Qsr	Qsr	0.111	0.111	mg/L	1	0.1	111	111	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0994	0.0988	mg/L	1	0.1	99	99	68.1 - 109

Calibration Standards

Standard (CCV-1)

QC Batch: 99374 | Date Analyzed: 2013-03-01 | Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0861	86	80 - 120	2013-03-01
Toluene		1	mg/L	0.100	0.0879	88	80 - 120	2013-03-01
Ethylbenzene		1	mg/L	0.100	0.0925	92	80 - 120	2013-03-01
Xylene		1	mg/L	0.300	0.286	95	80 - 120	2013-03-01

Standard (CCV-2)

QC Batch: 99374 | Date Analyzed: 2013-03-01 | Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2013-03-01
Toluene		1	mg/L	0.100	0.102	102	80 - 120	2013-03-01
Ethylbenzene		1	mg/L	0.100	0.106	106	80 - 120	2013-03-01
Xylene		1	mg/L	0.300	0.329	110	80 - 120	2013-03-01

Appendix

Report Definitions

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

Laboratory Certifications

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

Standard Flags

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

Attachments

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

LAB Order ID # 13022703

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

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

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

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

Company Name: Nova
Phone #: (432) 520-7720
Address: (Street, City, Zip) 2057 Commerce Dr
Fax #:
Contact Person: Camille Bryant
E-mail:
Invoice to: (If different from above)
Project #: 2002-10286
Project Name: 34 J Lea
Project Location (including state): NM
Sampler Signature: [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
322139	MW-11	3	VOA's	X				X				X		2-26-13	1353		X																			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:		
[signature]	Nova	2-27-13	0723	[signature]	Nova	2-27-13	07:23	INST ___ °C OBS ___ °C COR ___ °C	
[signature]	Nova	2-27-13	8:58	[signature]	TA	2/27/13	0858	INST R4 OBS 7.3 °C COR 7.3 °C	
								INST ___ °C OBS ___ °C COR ___ °C	

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

REMARKS: Midland AO

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

Carrier # [signature]

ORIGINAL COPY

Summary Report

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

Report Date: May 16, 2013

Work Order: 13051007

Project Location: Eunice, NM
Project Name: 34 Junction to Lea Station
Project Number: NM 2001
SRS #: 2002-10286

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
328902	MW-6	water	2013-05-09	15:19	2013-05-10
328903	MW-5	water	2013-05-09	15:25	2013-05-10
328904	MW-10	water	2013-05-09	14:32	2013-05-10
328905	MW-3	water	2013-05-09	15:40	2013-05-10
328906	MW-1	water	2013-05-09	14:58	2013-05-10
328907	MW-2	water	2013-05-09	15:02	2013-05-10
328908	MW-7	water	2013-05-09	14:38	2013-05-10

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
328902 - MW-6	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs	<0.00100 Qr,Qs
328903 - MW-5	**0.00890** Qr,Qs	<0.00100 Qr,Qs	**0.0103** Qr,Qs	<0.00100 Qr,Qs
328904 - MW-10	**0.256** [1] Qr,Qs	<0.00500 Qr,Qs	<0.00500 Qr,Qs	<0.00500 Qr,Qs
328905 - MW-3	**0.127** [2] Qr,Qs	<0.00500 Qr,Qs	**0.191** Qr,Qs	**0.0838** Qr,Qs
328906 - MW-1	**0.467** [3] Qr,Qs	<0.00500 Qr,Qs	**0.496** Qr,Qs	**0.231** Qr,Qs
328907 - MW-2	**0.224** [4] Qr,Qs	<0.00500 Qr,Qs	**0.101** Qr,Qs	**0.0644** Qr,Qs
328908 - MW-7	**0.505** [5] Qr,Qs	<0.00500 Qr,Qs	**0.211** Qr,Qs	**0.155** Qr,Qs

[1] Dilution due to surfactants.
[2] Dilution due to surfactants.
[3] Dilution due to surfactants.
[4] Dilution due to surfactants.
[5] Dilution due to surfactants.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: May 16, 2013

Work Order: 13051007

Project Location: Eunice, NM
Project Name: 34 Junction to Lea Station
Project Number: NM 2001
SRS #: 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
328902	MW-6	water	2013-05-09	15:19	2013-05-10
328903	MW-5	water	2013-05-09	15:25	2013-05-10
328904	MW-10	water	2013-05-09	14:32	2013-05-10
328905	MW-3	water	2013-05-09	15:40	2013-05-10
328906	MW-1	water	2013-05-09	14:58	2013-05-10
328907	MW-2	water	2013-05-09	15:02	2013-05-10
328908	MW-7	water	2013-05-09	14:38	2013-05-10

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.

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

Report Contents

Case Narrative

Samples for project 34 Junction to Lea Station were received by TraceAnalysis, Inc. on 2013-05-10 and assigned to work order 13051007. Samples for work order 13051007 were received intact without headspace and at a temperature of 3.1 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	85958	2013-05-15 at 11:00	101437	2013-05-15 at 11:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 13051007 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: 328902 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0956	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0953	mg/L	1	0.100	95	70 - 130

Sample: 328903 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	Qr,Qs	1	**0.00890**	mg/L	1	0.00100
Toluene	Qr,Qs,U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qr,Qs	1	**0.0103**	mg/L	1	0.00100
Xylene	Qr,Qs,U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0967	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0925	mg/L	1	0.100	92	70 - 130

Sample: 328904 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [1]	Qr,Qs	1	**0.256**	mg/L	5	0.00100
Toluene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100
Xylene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.473	mg/L	5	0.500	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.480	mg/L	5	0.500	96	70 - 130

Sample: 328905 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [2]	Qr,Qs	1	**0.127**	mg/L	5	0.00100
Toluene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,Qs	1	**0.191**	mg/L	5	0.00100
Xylene	Qr,Qs	1	**0.0838**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.466	mg/L	5	0.500	93	70 - 130
4-Bromofluorobenzene (4-BFB)			0.510	mg/L	5	0.500	102	70 - 130

Sample: 328906 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [3]	Qr,Qs	1	**0.467**	mg/L	5	0.00100
Toluene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,Qs	1	**0.496**	mg/L	5	0.00100
Xylene	Qr,Qs	1	**0.231**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.468	mg/L	5	0.500	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.522	mg/L	5	0.500	104	70 - 130

Sample: 328907 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene [4]	Qr,Qs	1	**0.224**	mg/L	5	0.00100
Toluene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,Qs	1	**0.101**	mg/L	5	0.00100
Xylene	Qr,Qs	1	**0.0644**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.510	mg/L	5	0.500	102	70 - 130
4-Bromofluorobenzene (4-BFB)			0.483	mg/L	5	0.500	97	70 - 130

Sample: 328908 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	Sample Preparation:	2013-05-15	Prepared By:	AH

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene [5]	Qr,Qs	1	**0.505**	mg/L	5	0.00100
Toluene	Qr,Qs,U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene	Qr,Qs	1	**0.211**	mg/L	5	0.00100
Xylene	Qr,Qs	1	**0.155**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.474	mg/L	5	0.500	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.500	mg/L	5	0.500	100	70 - 130

Method Blanks

Method Blank (1) QC Batch: 101437

QC Batch:	101437	Date Analyzed:	2013-05-15	Analyzed By:	AH
Prep Batch:	85958	QC Preparation:	2013-05-15	Prepared By:	AH

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0955	mg/L	1	0.100	96	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 101437 | Date Analyzed: 2013-05-15 | Analyzed By: AH
Prep Batch: 85958 | QC Preparation: 2013-05-15 | Prepared By: AH

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000200	102	70 - 130
Toluene		1	0.104	mg/L	1	0.100	<0.000300	104	70 - 130
Ethylbenzene		1	0.103	mg/L	1	0.100	<0.000400	103	70 - 130
Xylene		1	0.306	mg/L	1	0.300	<0.00120	102	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000200	102	70 - 130	0	20
Toluene		1	0.106	mg/L	1	0.100	<0.000300	106	70 - 130	2	20
Ethylbenzene		1	0.106	mg/L	1	0.100	<0.000400	106	70 - 130	3	20
Xylene		1	0.309	mg/L	1	0.300	<0.00120	103	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0998	0.0995	mg/L	1	0.100	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.100	0.0999	mg/L	1	0.100	100	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 328546

QC Batch: 101437 | Date Analyzed: 2013-05-15 | Analyzed By: AH
Prep Batch: 85958 | QC Preparation: 2013-05-15 | Prepared By: AH

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	6 Qs	Qs	1 0.0130	mg/L	1	0.100	<0.000200	13	70 - 130
Toluene	Qs	Qs	1 0.0143	mg/L	1	0.100	<0.000300	14	70 - 130
Ethylbenzene	Qs	Qs	1 0.0191	mg/L	1	0.100	<0.000400	19	70 - 130
Xylene	Qs	Qs	1 0.0568	mg/L	1	0.300	<0.00120	19	70 - 130

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

Param		F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	[7] Qr,Qs	Qr,Qs	1	0.0247	mg/L	1	0.100	<0.000200	25	70 - 130	62	20
Toluene	Qr,Qs	Qr,Qs	1	0.0256	mg/L	1	0.100	<0.000300	26	70 - 130	57	20
Ethylbenzene	Qr,Qs	Qr,Qs	1	0.0280	mg/L	1	0.100	<0.000400	28	70 - 130	38	20
Xylene	Qr,Qs	Qr,Qs	1	0.0828	mg/L	1	0.300	<0.00120	28	70 - 130	37	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)	0.0949	0.0938	mg/L	1	0.1	95	94	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0945	0.0941	mg/L	1	0.1	94	94	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 101437 | Date Analyzed: 2013-05-15 | Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0970	97	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.0996	100	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.0989	99	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.291	97	80 - 120	2013-05-15

Standard (CCV-2)

QC Batch: 101437 | Date Analyzed: 2013-05-15 | Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0971	97	80 - 120	2013-05-15
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.0994	99	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.292	97	80 - 120	2013-05-15

Standard (CCV-3)

QC Batch: 101437 | Date Analyzed: 2013-05-15 | Analyzed By: AH

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	2013-05-15
Toluene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-15
Ethylbenzene		1	mg/L	0.100	0.102	102	80 - 120	2013-05-15
Xylene		1	mg/L	0.300	0.298	99	80 - 120	2013-05-15

Appendix

Report Definitions

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

Laboratory Certifications

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

Standard Flags

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

Result Comments

1 Dilution due to surfactants.
2 Dilution due to surfactants.
3 Dilution due to surfactants.
4 Dilution due to surfactants.
5 Dilution due to surfactants.
6 Prep error, LCS LCSD within range show spikes to be under control.
7 Prep error, LCS LCSD within range show spikes to be under control.

Attachments

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

LAB Order ID # 130 51007

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

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

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

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

Company Name: Nova
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce Drive
Fax #:
Contact Person: Camille Bryant
E-mail:
Invoice to:
(If different from above)
Project #: 2002-10286
Project Name: 34 J to Lea
Project Location (including state): new mexico
Sampler Signature:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
328902	mw-6	3	VOA	X				X				X		5/9/13	1519		X																							
903	mw-5	3													1525		X																							
904	mw-10	3													1432		X																							
905	mw-3	3													1540		X																							
906	mw-1	3													1458		X																							
907	mw-2	3													1502		X																							
908	mw-7	3													1438		X																							

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
John Flores	Nova	5/10/13	810		TA	5/10/13	8.10

INST R-1
OBS 3.1 °C
COR 3.1 °C

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

REMARKS: Midland all

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

Carrier #

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

ORIGINAL COPY

Summary Report

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

Report Date: August 20, 2013

Work Order: 13080903

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
338126	MW-6	water	2013-08-08	12:41	2013-08-09
338127	MW-5	water	2013-08-08	12:55	2013-08-09
338128	MW-3	water	2013-08-08	13:11	2013-08-09
338129	MW-2	water	2013-08-08	13:24	2013-08-09
338130	MW-10	water	2013-08-08	13:39	2013-08-09
338131	MW-1	water	2013-08-08	13:49	2013-08-09
338132	MW-7	water	2013-08-08	14:00	2013-08-09

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
338126 - MW-6	<0.00100	<0.00100	<0.00100	<0.00100
338127 - MW-5	**0.0122**	<0.00100	**0.00480**	<0.00100
338128 - MW-3	**0.352** [1]	<0.00500	**0.0860**	**0.0706**
338129 - MW-2	**0.632** [2]	<0.00500	**0.241**	**0.150**
338130 - MW-10	**0.300**	<0.00500	**0.0719**	**0.0226**
338131 - MW-1	**0.520**	<0.00500	**0.645**	**0.261**
338132 - MW-7	**0.590** [3]	<0.00500	**0.226**	**0.105**

[1] pH > 2.0.
[2] pH > 2.
[3] pH > 2.0.

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972•242•7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: August 20, 2013

Work Order: 13080903

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
338126	MW-6	water	2013-08-08	12:41	2013-08-09
338127	MW-5	water	2013-08-08	12:55	2013-08-09
338128	MW-3	water	2013-08-08	13:11	2013-08-09
338129	MW-2	water	2013-08-08	13:24	2013-08-09
338130	MW-10	water	2013-08-08	13:39	2013-08-09
338131	MW-1	water	2013-08-08	13:49	2013-08-09
338132	MW-7	water	2013-08-08	14:00	2013-08-09

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

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 2013-08-09 and assigned to work order 13080903. Samples for work order 13080903 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	88240	2013-08-16 at 17:00	104140	2013-08-19 at 09:47
BTEX	S 8021B	88243	2013-08-06 at 17:45	104143	2013-08-19 at 10:07
BTEX	S 8021B	88281	2013-08-19 at 09:30	104189	2013-08-20 at 08:38

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 13080903 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: 338126 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104140	Date Analyzed:	2013-08-19	Analyzed By:	KC
Prep Batch:	88240	Sample Preparation:	2013-08-16	Prepared By:	KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0891	mg/L	1	0.100	89	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0848	mg/L	1	0.100	85	70 - 130

Sample: 338127 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104140	Date Analyzed:	2013-08-19	Analyzed By:	KC
Prep Batch:	88240	Sample Preparation:	2013-08-16	Prepared By:	KC

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		1	**0.0122**	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	**0.00480**	mg/L	1	0.00100
Xylene	U	1	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0946	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0939	mg/L	1	0.100	94	70 - 130

Sample: 338128 - MW-3

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

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene [1]		1	**0.352**	mg/L	5	0.00100
Toluene	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene		1	**0.0860**	mg/L	5	0.00100
Xylene		1	**0.0706**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.453	mg/L	5	0.500	91	70 - 130
4-Bromofluorobenzene (4-BFB)			0.516	mg/L	5	0.500	103	70 - 130

Sample: 338129 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104143	Date Analyzed:	2013-08-19	Analyzed By:	AH
Prep Batch:	88243	Sample Preparation:	2013-08-06	Prepared By:	AH

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene [2]		1	**0.632**	mg/L	5	0.00100
Toluene		1	<0.00500	mg/L	5	0.00100
Ethylbenzene		1	**0.241**	mg/L	5	0.00100
Xylene		1	**0.150**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.531	mg/L	5	0.500	106	70 - 130
4-Bromofluorobenzene (4-BFB)			0.482	mg/L	1	0.500	96	70 - 130

Sample: 338130 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104143	Date Analyzed:	2013-08-19	Analyzed By:	AH
Prep Batch:	88243	Sample Preparation:	2013-08-06	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		1	**0.300**	mg/L	5	0.00100
Toluene	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene		1	**0.0719**	mg/L	5	0.00100
Xylene		1	**0.0226**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.462	mg/L	5	0.500	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.467	mg/L	5	0.500	93	70 - 130

Sample: 338131 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	104143	Date Analyzed:	2013-08-19	Analyzed By:	AH
Prep Batch:	88243	Sample Preparation:	2013-08-06	Prepared By:	AH

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		1	**0.520**	mg/L	5	0.00100
Toluene	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene		1	**0.645**	mg/L	5	0.00100
Xylene		1	**0.261**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.542	mg/L	5	0.500	108	70 - 130
4-Bromofluorobenzene (4-BFB)			0.502	mg/L	5	0.500	100	70 - 130

Sample: 338132 - MW-7

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

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene [3]		1	**0.590**	mg/L	5	0.00100
Toluene	U	1	<0.00500	mg/L	5	0.00100
Ethylbenzene		1	**0.226**	mg/L	5	0.00100
Xylene		1	**0.105**	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.482	mg/L	5	0.500	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.495	mg/L	5	0.500	99	70 - 130

Method Blanks

Method Blank (1) QC Batch: 104140

QC Batch: 104140 | Date Analyzed: 2013-08-19 | Analyzed By: KC
Prep Batch: 88240 | QC Preparation: 2013-08-16 | Prepared By: KC

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0946	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0902	mg/L	1	0.100	90	70 - 130

Method Blank (1) QC Batch: 104143

QC Batch: 104143 | Date Analyzed: 2013-08-19 | Analyzed By: AH
Prep Batch: 88243 | QC Preparation: 2013-08-06 | Prepared By: AH

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0945	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0901	mg/L	1	0.100	90	70 - 130

Method Blank (1) QC Batch: 104189

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

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

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

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 104140 | Date Analyzed: 2013-08-19 | Analyzed By: KC
Prep Batch: 88240 | QC Preparation: 2013-08-16 | Prepared By: KC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0877	mg/L	1	0.100	<0.000200	88	70 - 130
Toluene		1	0.0855	mg/L	1	0.100	<0.000300	86	70 - 130
Ethylbenzene		1	0.0792	mg/L	1	0.100	<0.000400	79	70 - 130
Xylene		1	0.239	mg/L	1	0.300	<0.00120	80	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0885	mg/L	1	0.100	<0.000200	88	70 - 130	1	20
Toluene		1	0.0865	mg/L	1	0.100	<0.000300	86	70 - 130	1	20
Ethylbenzene		1	0.0813	mg/L	1	0.100	<0.000400	81	70 - 130	3	20
Xylene		1	0.244	mg/L	1	0.300	<0.00120	81	70 - 130	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)	0.0938	0.0925	mg/L	1	0.100	94	92	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0948	0.0948	mg/L	1	0.100	95	95	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 104143 | Date Analyzed: 2013-08-19 | Analyzed By: AH
Prep Batch: 88243 | QC Preparation: 2013-08-06 | Prepared By: AH

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0846	mg/L	1	0.100	<0.000200	85	70 - 130
Toluene		1	0.0831	mg/L	1	0.100	<0.000300	83	70 - 130
Ethylbenzene		1	0.0788	mg/L	1	0.100	<0.000400	79	70 - 130
Xylene		1	0.238	mg/L	1	0.300	<0.00120	79	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0986	mg/L	1	0.100	<0.000200	99	70 - 130	15	20
Toluene		1	0.0972	mg/L	1	0.100	<0.000300	97	70 - 130	16	20
Ethylbenzene		1	0.0924	mg/L	1	0.100	<0.000400	92	70 - 130	16	20
Xylene		1	0.275	mg/L	1	0.300	<0.00120	92	70 - 130	14	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)	0.0933	0.0909	mg/L	1	0.100	93	91	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0954	0.0944	mg/L	1	0.100	95	94	70 - 130

Laboratory Control Spike (LCS-1)

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

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

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.108	mg/L	1	0.100	<0.000200	108	70 - 130	2	20
Toluene		1	0.107	mg/L	1	0.100	<0.000300	107	70 - 130	3	20
Ethylbenzene		1	0.103	mg/L	1	0.100	<0.000400	103	70 - 130	2	20
Xylene		1	0.306	mg/L	1	0.300	<0.00120	102	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0939	0.0971	mg/L	1	0.100	94	97	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0983	0.0997	mg/L	1	0.100	98	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 337941

QC Batch: 104140 | Date Analyzed: 2013-08-19 | Analyzed By: KC
Prep Batch: 88240 | QC Preparation: 2013-08-16 | Prepared By: KC

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.109	mg/L	1	0.100	<0.000200	109	70 - 130
Toluene		1	0.0989	mg/L	1	0.100	<0.000300	99	70 - 130
Ethylbenzene		1	0.0903	mg/L	1	0.100	<0.000400	90	70 - 130
Xylene		1	0.268	mg/L	1	0.300	<0.00120	89	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.112	mg/L	1	0.100	<0.000200	112	70 - 130	3	20
Toluene		1	0.102	mg/L	1	0.100	<0.000300	102	70 - 130	3	20
Ethylbenzene		1	0.0942	mg/L	1	0.100	<0.000400	94	70 - 130	4	20
Xylene		1	0.280	mg/L	1	0.300	<0.00120	93	70 - 130	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)	0.0937	0.0963	mg/L	1	0.1	94	96	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0949	0.0963	mg/L	1	0.1	95	96	70 - 130

Matrix Spike (MS-1) Spiked Sample: 338207

QC Batch: 104143 | Date Analyzed: 2013-08-19 | Analyzed By: AH
Prep Batch: 88243 | QC Preparation: 2013-08-06 | Prepared By: AH

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.103	mg/L	1	0.100	<0.000200	103	70 - 130
Toluene		1	0.0990	mg/L	1	0.100	<0.000300	99	70 - 130
Ethylbenzene		1	0.0927	mg/L	1	0.100	<0.000400	93	70 - 130
Xylene		1	0.274	mg/L	1	0.300	<0.00120	91	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0997	mg/L	1	0.100	<0.000200	100	70 - 130	3	20
Toluene		1	0.0965	mg/L	1	0.100	<0.000300	96	70 - 130	3	20

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene		1	0.0909	mg/L	1	0.100	<0.000400	91	70 - 130	2	20
Xylene		1	0.268	mg/L	1	0.300	<0.00120	89	70 - 130	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0901	0.0922	mg/L	1	0.1	90	92	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0927	0.0939	mg/L	1	0.1	93	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 338504

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

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

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.112	mg/L	1	0.100	<0.000200	112	70 - 130	0	20
Toluene		1	0.108	mg/L	1	0.100	<0.000300	108	70 - 130	1	20
Ethylbenzene		1	0.105	mg/L	1	0.100	<0.000400	105	70 - 130	1	20
Xylene		1	0.311	mg/L	1	0.300	<0.00120	104	70 - 130	0	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0918	0.0951	mg/L	1	0.1	92	95	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0978	0.0990	mg/L	1	0.1	98	99	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 104140 | Date Analyzed: 2013-08-19 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0994	99	80 - 120	2013-08-19
Toluene		1	mg/L	0.100	0.0959	96	80 - 120	2013-08-19
Ethylbenzene		1	mg/L	0.100	0.0890	89	80 - 120	2013-08-19
Xylene		1	mg/L	0.300	0.267	89	80 - 120	2013-08-19

Standard (CCV-2)

QC Batch: 104140 | Date Analyzed: 2013-08-19 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2013-08-19
Toluene		1	mg/L	0.100	0.0989	99	80 - 120	2013-08-19
Ethylbenzene		1	mg/L	0.100	0.0939	94	80 - 120	2013-08-19
Xylene		1	mg/L	0.300	0.279	93	80 - 120	2013-08-19

Standard (CCV-3)

QC Batch: 104140 | Date Analyzed: 2013-08-19 | Analyzed By: KC

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0912	91	80 - 120	2013-08-19
Toluene		1	mg/L	0.100	0.0896	90	80 - 120	2013-08-19
Ethylbenzene		1	mg/L	0.100	0.0846	85	80 - 120	2013-08-19
Xylene		1	mg/L	0.300	0.253	84	80 - 120	2013-08-19

Standard (CCV-1)

QC Batch: 104143 | Date Analyzed: 2013-08-19 | Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.101	101	80 - 120	2013-08-19
Toluene		1	mg/L	0.100	0.0989	99	80 - 120	2013-08-19
Ethylbenzene		1	mg/L	0.100	0.0940	94	80 - 120	2013-08-19
Xylene		1	mg/L	0.300	0.279	93	80 - 120	2013-08-19

Standard (CCV-2)

QC Batch: 104143 | Date Analyzed: 2013-08-19 | Analyzed By: AH

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0973	97	80 - 120	2013-08-19
Toluene		1	mg/L	0.100	0.0948	95	80 - 120	2013-08-19
Ethylbenzene		1	mg/L	0.100	0.0905	90	80 - 120	2013-08-19
Xylene		1	mg/L	0.300	0.269	90	80 - 120	2013-08-19

Standard (CCV-1)

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

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

Standard (CCV-2)

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

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

Standard (CCV-3)

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

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

Appendix

Report Definitions

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

Laboratory Certifications

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

Standard Flags

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

Result Comments

1 pH > 2.0.
2 pH > 2.
3 pH > 2.0.

Attachments

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

LAB Order ID # 13080903

Page _____ of _____

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

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Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

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

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

Company Name: NOVA
Phone #: 432 520 7720
Address: (Street, City, Zip) 2057 COMMERCE DRIVE
Fax #:
Contact Person: CAMILLE BRYANT
E-mail:
Invoice to: (If different from above)
Project #: 2002 - 10286
Project Name: 34 J to CEA
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
338126	MW-6	3	VOA	X				X				X		8/8/13	1241
127	MW-5														1255
128	MW-3														1311
129	MW-2														1324
130	MW-10														1339
131	MW-1														1349
132	MW-7														1400

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

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
JAMES GENTRY	NOVA	8/9/13			TA	8/9/13	8:45	INST ___ OBS 4.1 °C COR 4.0 °C
								INST ___ OBS ___ °C COR ___ °C
								INST ___ OBS ___ °C COR ___ °C

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

REMARKS: Midland calc

- ☐ 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 # Carrier

ORIGINAL COPY

Summary Report

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

Report Date: December 6, 2013

Work Order: 13112203

Project Location: Eunice, NM
Project Name: 34 Junction to Lea Station
Project Number: NM 2001
SRS #: 2002-10286

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
347242	MW 4	water	2013-11-21	12:30	2013-11-22
347243	MW 8	water	2013-11-21	12:42	2013-11-22
347244	MW 9	water	2013-11-21	12:56	2013-11-22
347245	MW 6	water	2013-11-21	12:16	2013-11-22
347246	MW 5	water	2013-11-21	13:28	2013-11-22
347247	MW 10	water	2013-11-21	13:39	2013-11-22
347248	MW 3	water	2013-11-21	13:55	2013-11-22
347249	MW 1	water	2013-11-21	14:43	2013-11-22
347250	MW 7	water	2013-11-21	14:12	2013-11-22
347251	MW 2	water	2013-11-21	14:24	2013-11-22

	BTEX			
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
347242 - MW 4	<0.00100	<0.00100	<0.00100	<0.00100
347243 - MW 8	<0.00100	<0.00100	<0.00100	<0.00300
347244 - MW 9	<0.00100	<0.00100	<0.00100	<0.00300
347245 - MW 6	**0.00170**	<0.00100	<0.00100	<0.00300
347246 - MW 5	**0.0245**	<0.00100	**0.00490**	<0.00300
347247 - MW 10	**0.362**	<0.00100	**0.0389**	<0.00300
347248 - MW 3	**0.337**	**0.00310**	**0.0652**	**0.0720**
347249 - MW 1	**0.475**	<0.00500	**0.524**	**0.238**
347250 - MW 7	**0.449**	<0.00500	**0.190**	**0.0711**
347251 - MW 2	**0.360**	<0.00100	**0.142**	**0.114**

Sample: 347248 - MW 3

Param	Flag	Result	Units	RL
Naphthalene		<0.000200	mg/L	0.0002
2-Methylnaphthalene	Qr,Qs	<0.000200	mg/L	0.0002
1-Methylnaphthalene	Qr	<0.000200	mg/L	0.0002
Acenaphthylene		<0.000200	mg/L	0.0002
Acenaphthene	Qr,Qs	<0.000200	mg/L	0.0002
Dibenzofuran	Qr,Qs	<0.000200	mg/L	0.0002
Fluorene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Phenanthrene	Qr,Qs	<0.000200	mg/L	0.0002
Fluoranthene	Qr,Qs	<0.000200	mg/L	0.0002
Pyrene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Benzo(a)anthracene	Qr	<0.000200	mg/L	0.0002
Chrysene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(b)fluoranthene	Qr	<0.000200	mg/L	0.0002
Benzo(k)fluoranthene	Qc,Qr	<0.000200	mg/L	0.0002
Benzo(a)pyrene	Qr	<0.000200	mg/L	0.0002
Indeno(1,2,3-cd)pyrene	Qc,Qr,Qs	**0.0179**	mg/L	0.0002
Dibenzo(a,h)anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(g,h,i)perylene	Qc,Qr,Qs	**0.0245**	mg/L	0.0002

Sample: 347249 - MW 1

Param	Flag	Result	Units	RL
Naphthalene		**0.0611**	mg/L	0.0002
2-Methylnaphthalene	Qr,Qs	**0.0436**	mg/L	0.0002
1-Methylnaphthalene	Qr	**0.0629**	mg/L	0.0002
Acenaphthylene		<0.000200	mg/L	0.0002
Acenaphthene	Qr,Qs	<0.000200	mg/L	0.0002
Dibenzofuran	Qr,Qs	<0.000200	mg/L	0.0002
Fluorene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Phenanthrene	Qr,Qs	<0.000200	mg/L	0.0002
Fluoranthene	Qr,Qs	<0.000200	mg/L	0.0002
Pyrene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Benzo(a)anthracene	Qr	<0.000200	mg/L	0.0002
Chrysene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(b)fluoranthene	Qr	<0.000200	mg/L	0.0002
Benzo(k)fluoranthene	Qc,Qr	<0.000200	mg/L	0.0002
Benzo(a)pyrene	Qr	<0.000200	mg/L	0.0002
Indeno(1,2,3-cd)pyrene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Dibenzo(a,h)anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(g,h,i)perylene	Qc,Qr,Qs	<0.000200	mg/L	0.0002

Sample: 347250 - MW 7

continued . . .

sample 347250 continued . . .

Param	Flag	Result	Units	RL
Param	Flag	Result	Units	RL
Naphthalene		**0.0217**	mg/L	0.0002
2-Methylnaphthalene	Qr,Qs	<0.000200	mg/L	0.0002
1-Methylnaphthalene	Qr	<0.000200	mg/L	0.0002
Acenaphthylene		<0.000200	mg/L	0.0002
Acenaphthene	Qr,Qs	<0.000200	mg/L	0.0002
Dibenzofuran	Qr,Qs	<0.000200	mg/L	0.0002
Fluorene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Anthracene	Qr,Qs	<0.000200	mg/L	0.0002
Phenanthrene	Qr,Qs	<0.000200	mg/L	0.0002
Fluoranthene	Qr,Qs	<0.000200	mg/L	0.0002
Pyrene	Qc,Qr,Qs	<0.000200	mg/L	0.0002
Benzo(a)anthracene	Qr	<0.000200	mg/L	0.0002
Chrysene	Qr,Qs	<0.000200	mg/L	0.0002
Benzo(b)fluoranthene	Qr	<0.000200	mg/L	0.0002
Benzo(k)fluoranthene	Qc,Qr	<0.000200	mg/L	0.0002
Benzo(a)pyrene	Qr	<0.000200	mg/L	0.0002
Indeno(1,2,3-cd)pyrene	Qc,Qr,Qs	**0.00848**	mg/L	0.0002
Dibenzo(a,h)anthracene	Qr,Qs	<0.000200	mg/L	0.0002

TRACEANALYSIS, INC.

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

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: December 6, 2013

Work Order: 13112203

Project Location: Eunice, NM
Project Name: 34 Junction to Lea Station
Project Number: NM 2001
SRS #: 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
347242	MW 4	water	2013-11-21	12:30	2013-11-22
347243	MW 8	water	2013-11-21	12:42	2013-11-22
347244	MW 9	water	2013-11-21	12:56	2013-11-22
347245	MW 6	water	2013-11-21	12:16	2013-11-22
347246	MW 5	water	2013-11-21	13:28	2013-11-22
347247	MW 10	water	2013-11-21	13:39	2013-11-22
347248	MW 3	water	2013-11-21	13:55	2013-11-22
347249	MW 1	water	2013-11-21	14:43	2013-11-22
347250	MW 7	water	2013-11-21	14:12	2013-11-22
347251	MW 2	water	2013-11-21	14:24	2013-11-22

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 Station were received by TraceAnalysis, Inc. on 2013-11-22 and assigned to work order 13112203. Samples for work order 13112203 were received intact without headspace and at a temperature of 5.6 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	90601	2013-11-22 at 13:52	107032	2013-11-25 at 10:56
BTEX	S 8021B	90602	2013-11-22 at 13:56	107033	2013-11-25 at 10:59
BTEX	S 8021B	90643	2013-11-25 at 16:18	107061	2013-11-26 at 08:09
BTEX	S 8021B	90665	2013-11-26 at 12:25	107107	2013-11-27 at 07:22
PAH	S 8270D	90876	2013-11-27 at 15:00	107323	2013-12-05 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 13112203 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: 347242 - MW 4

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

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00100	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.129	mg/L	1	0.100	129	70 - 130
4-Bromofluorobenzene (4-BFB)			0.120	mg/L	1	0.100	120	70 - 130

Sample: 347243 - MW 8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107033	Date Analyzed:	2013-11-25	Analyzed By:	AK
Prep Batch:	90602	Sample Preparation:	2013-11-22	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0817	mg/L	1	0.100	82	70 - 130

Sample: 347244 - MW 9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107061	Date Analyzed:	2013-11-26	Analyzed By:	AK
Prep Batch:	90643	Sample Preparation:	2013-11-25	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	2	<0.00100	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0962	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0789	mg/L	1	0.100	79	70 - 130

Sample: 347245 - MW 6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107061	Date Analyzed:	2013-11-26	Analyzed By:	AK
Prep Batch:	90643	Sample Preparation:	2013-11-25	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		2	**0.00170**	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene	U	2	<0.00100	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.101	mg/L	1	0.100	101	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0844	mg/L	1	0.100	84	70 - 130

Sample: 347246 - MW 5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107061	Date Analyzed:	2013-11-26	Analyzed By:	AK
Prep Batch:	90643	Sample Preparation:	2013-11-25	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		2	**0.0245**	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene		2	**0.00490**	mg/L	1	0.00100
Xylene		2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0977	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0889	mg/L	1	0.100	89	70 - 130

Sample: 347247 - MW 10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107061	Date Analyzed:	2013-11-26	Analyzed By:	AK
Prep Batch:	90643	Sample Preparation:	2013-11-25	Prepared By:	AK

Parameter	Flag	Cert	Result	RL Units	Dilution	RL
Benzene		2	**0.362**	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene		2	**0.0389**	mg/L	1	0.00100
Xylene	U	2	<0.00300	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	70 - 130
4-Bromofluorobenzene (4-BFB)			0.102	mg/L	1	0.100	102	70 - 130

Sample: 347248 - MW 3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107061	Date Analyzed:	2013-11-26	Analyzed By:	AK
Prep Batch:	90643	Sample Preparation:	2013-11-25	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		2	**0.337**	mg/L	1	0.00100
Toluene		2	**0.00310**	mg/L	1	0.00100
Ethylbenzene		2	**0.0652**	mg/L	1	0.00100
Xylene		2	**0.0720**	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.105	mg/L	1	0.100	105	70 - 130
4-Bromofluorobenzene (4-BFB)			0.129	mg/L	1	0.100	129	70 - 130

Sample: 347248 - MW 3

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	107323	Date Analyzed:	2013-12-05	Analyzed By:	MN
Prep Batch:	90876	Sample Preparation:	2013-11-27	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene	U	1	<0.000200	mg/L	1	0.000200
2-Methylnaphthalene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
1-Methylnaphthalene	Qr,U		<0.000200	mg/L	1	0.000200
Acenaphthylene	U	1	<0.000200	mg/L	1	0.000200
Acenaphthene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Dibenzofuran	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Fluorene	Qc,Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Anthracene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Phenanthrene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Fluoranthene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Pyrene	Qc,Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Benzo(a)anthracene	Qr,U	1	<0.000200	mg/L	1	0.000200
Chrysene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene	Qr,U	1	<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene	Qc,Qr,U	1	<0.000200	mg/L	1	0.000200
Benzo(a)pyrene	Qr,U	1	<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene	B,Qc,Qr,Qs	1	**0.0179**	mg/L	1	0.000200
Dibenzo(a,h)anthracene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200

continued ...

sample 347248 continued . . .

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzo(g,h,i)perylene	B,Qc,Qr,Qs	1	**0.0245**	mg/L	1	0.000200

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	Qsr	Qsr		2.17	mg/L	1	8.00	27	40 - 110
2-Fluorobiphenyl	Qsr	Qsr		3.12	mg/L	1	8.00	39	50 - 110
Terphenyl-d14	Qsr	Qsr		2.48	mg/L	1	8.00	31	50 - 135

Sample: 347249 - MW 1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107107	Date Analyzed:	2013-11-27	Analyzed By:	AK
Prep Batch:	90665	Sample Preparation:	2013-11-26	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		2	**0.475**	mg/L	5	0.00100
Toluene	U	2	<0.00500	mg/L	5	0.00100
Ethylbenzene		2	**0.524**	mg/L	5	0.00100
Xylene		2	**0.238**	mg/L	5	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.487	mg/L	5	0.500	97	70 - 130
4-Bromofluorobenzene (4-BFB)			0.505	mg/L	5	0.500	101	70 - 130

Sample: 347249 - MW 1

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	107323	Date Analyzed:	2013-12-05	Analyzed By:	MN
Prep Batch:	90876	Sample Preparation:	2013-11-27	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.0611**	mg/L	1	0.000200
2-Methylnaphthalene	Qr,Qs	1	**0.0436**	mg/L	1	0.000200
1-Methylnaphthalene	Qr		**0.0629**	mg/L	1	0.000200

continued . . .

sample 347249 continued ...

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			3.56	mg/L	1	8.00	44	40 - 110
2-Fluorobiphenyl			4.64	mg/L	1	8.00	58	50 - 110
Terphenyl-d14 Qsr	Qsr		2.82	mg/L	1	8.00	35	50 - 135

Sample: 347250 - MW 7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107107	Date Analyzed:	2013-11-27	Analyzed By:	AK
Prep Batch:	90665	Sample Preparation:	2013-11-26	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		2	**0.449**	mg/L	5	0.00100
Toluene	U	2	<0.00500	mg/L	5	0.00100
Ethylbenzene		2	**0.190**	mg/L	5	0.00100
Xylene		2	**0.0711**	mg/L	5	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.483	mg/L	5	0.500	97	70 - 130

continued ...

sample continued . . .

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)			0.438	mg/L	5	0.500	88	70 - 130

Sample: 347250 - MW 7

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270D	Prep Method:	S 3510C
QC Batch:	107323	Date Analyzed:	2013-12-05	Analyzed By:	MN
Prep Batch:	90876	Sample Preparation:	2013-11-27	Prepared By:	MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	**0.0217**	mg/L	1	0.000200
2-Methylnaphthalene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
1-Methylnaphthalene	Qr,U		<0.000200	mg/L	1	0.000200
Acenaphthylene	U	1	<0.000200	mg/L	1	0.000200
Acenaphthene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Dibenzofuran	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Fluorene	Qc,Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Anthracene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Phenanthrene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Fluoranthene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Pyrene	Qc,Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Benzo(a)anthracene	Qr,U	1	<0.000200	mg/L	1	0.000200
Chrysene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene	Qr,U	1	<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene	Qc,Qr,U	1	<0.000200	mg/L	1	0.000200
Benzo(a)pyrene	Qr,U	1	<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene	B,Qc,Qr,Qs	1	**0.00848**	mg/L	1	0.000200
Dibenzo(a,h)anthracene	Qr,Qs,U	1	<0.000200	mg/L	1	0.000200

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	Qsr	Qsr		3.18	mg/L	1	8.00	40	40 - 110
2-Fluorobiphenyl	Qsr	Qsr		3.21	mg/L	1	8.00	40	50 - 110
Terphenyl-d14	Qsr	Qsr		1.89	mg/L	1	8.00	24	50 - 135

Sample: 347251 - MW 2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	107061	Date Analyzed:	2013-11-26	Analyzed By:	AK
Prep Batch:	90643	Sample Preparation:	2013-11-25	Prepared By:	AK

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		2	**0.360**	mg/L	1	0.00100
Toluene	U	2	<0.00100	mg/L	1	0.00100
Ethylbenzene		2	**0.142**	mg/L	1	0.00100
Xylene		2	**0.114**	mg/L	1	0.00300

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0961	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.106	mg/L	1	0.100	106	70 - 130

Method Blanks

Method Blank (1) QC Batch: 107032

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

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		2	<0.000200	mg/L	0.001
Toluene		2	<0.000300	mg/L	0.001
Ethylbenzene		2	<0.000400	mg/L	0.001
Xylene		2	<0.00120	mg/L	0.001

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

Method Blank (1) QC Batch: 107033

QC Batch: 107033 | Date Analyzed: 2013-11-25 | Analyzed By: AK
Prep Batch: 90602 | QC Preparation: 2013-11-22 | Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		2	<0.000238	mg/L	0.001
Toluene		2	0.000400	mg/L	0.001
Ethylbenzene		2	<0.000247	mg/L	0.001
Xylene		2	<0.000189	mg/L	0.003

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0992	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0813	mg/L	1	0.100	81	70 - 130

Method Blank (1) QC Batch: 107061

QC Batch: 107061 | Date Analyzed: 2013-11-26 | Analyzed By: AK
Prep Batch: 90643 | QC Preparation: 2013-11-25 | Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		2	<0.000238	mg/L	0.001
Toluene		2	<0.000181	mg/L	0.001
Ethylbenzene		2	<0.000247	mg/L	0.001
Xylene		2	<0.000189	mg/L	0.003

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0957	mg/L	1	0.100	96	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0797	mg/L	1	0.100	80	70 - 130

Method Blank (1) QC Batch: 107107

QC Batch: 107107 | Date Analyzed: 2013-11-27 | Analyzed By: AK
Prep Batch: 90665 | QC Preparation: 2013-11-26 | Prepared By: AK

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		2	<0.000238	mg/L	0.001
Toluene		2	0.000600	mg/L	0.001
Ethylbenzene		2	<0.000247	mg/L	0.001
Xylene		2	<0.000189	mg/L	0.003

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0946	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0796	mg/L	1	0.100	80	70 - 130

Method Blank (1) QC Batch: 107323

QC Batch: 107323 | Date Analyzed: 2013-12-05 | Analyzed By: MN
Prep Batch: 90876 | QC Preparation: 2013-11-27 | Prepared By: MN

Parameter	Flag	Cert	MDL Result	Units	RL
Naphthalene		1	<0.000121	mg/L	0.0002
2-Methylnaphthalene		1	<0.0000913	mg/L	0.0002
1-Methylnaphthalene			<0.000109	mg/L	0.0002
Acenaphthylene		1	<0.000100	mg/L	0.0002

continued ...

method blank continued ...

Parameter	Flag	Cert	MDL Result	Units	RL
Acenaphthene		1	<0.000122	mg/L	0.0002
Dibenzofuran		1	<0.000108	mg/L	0.0002
Fluorene		1	<0.000100	mg/L	0.0002
Anthracene		1	<0.0000791	mg/L	0.0002
Phenanthrene		1	<0.0000824	mg/L	0.0002
Fluoranthene		1	<0.000124	mg/L	0.0002
Pyrene		1	0.00733	mg/L	0.0002
Benzo(a)anthracene		1	<0.000101	mg/L	0.0002
Chrysene		1	<0.0000769	mg/L	0.0002
Benzo(b)fluoranthene		1	<0.0000813	mg/L	0.0002
Benzo(k)fluoranthene		1	<0.0000790	mg/L	0.0002
Benzo(a)pyrene		1	<0.0000701	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		1	0.0250	mg/L	0.0002
Dibenzo(a,h)anthracene		1	<0.0000851	mg/L	0.0002
Benzo(g,h,i)perylene		1	0.0305	mg/L	0.0002

Surrogate		Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	Qsr	Qsr		12.5	mg/L	1	8.00	156	40 - 110
2-Fluorobiphenyl	Qsr	Qsr		9.21	mg/L	1	8.00	115	50 - 110
Terphenyl-d14				5.34	mg/L	1	8.00	67	50 - 135

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0971	mg/L	1	0.100	<0.000200	97	70 - 130
Toluene		2	0.0967	mg/L	1	0.100	<0.000300	97	70 - 130
Ethylbenzene		2	0.0929	mg/L	1	0.100	<0.000400	93	70 - 130
Xylene		2	0.279	mg/L	1	0.300	<0.00120	93	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.0962	mg/L	1	0.100	<0.000200	96	70 - 130	1	20
Toluene		2	0.0948	mg/L	1	0.100	<0.000300	95	70 - 130	2	20
Ethylbenzene		2	0.0914	mg/L	1	0.100	<0.000400	91	70 - 130	2	20
Xylene		2	0.276	mg/L	1	0.300	<0.00120	92	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0866	0.0910	mg/L	1	0.100	87	91	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0820	0.0878	mg/L	1	0.100	82	88	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 107033 | Date Analyzed: 2013-11-25 | Analyzed By: AK
Prep Batch: 90602 | QC Preparation: 2013-11-22 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.103	mg/L	1	0.100	<0.000238	103	70 - 130
Toluene		2	0.103	mg/L	1	0.100	0.0004	103	70 - 130
Ethylbenzene		2	0.108	mg/L	1	0.100	<0.000247	108	70 - 130
Xylene		2	0.329	mg/L	1	0.300	<0.000189	110	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.102	mg/L	1	0.100	<0.000238	102	70 - 130	1	20
Toluene		2	0.101	mg/L	1	0.100	0.0004	101	70 - 130	2	20
Ethylbenzene		2	0.107	mg/L	1	0.100	<0.000247	107	70 - 130	1	20
Xylene		2	0.323	mg/L	1	0.300	<0.000189	108	70 - 130	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)	0.102	0.103	mg/L	1	0.100	102	103	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0992	0.0985	mg/L	1	0.100	99	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 107061 | Date Analyzed: 2013-11-26 | Analyzed By: AK
Prep Batch: 90643 | QC Preparation: 2013-11-25 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0979	mg/L	1	0.100	<0.000238	98	70 - 130
Toluene		2	0.0978	mg/L	1	0.100	<0.000181	98	70 - 130
Ethylbenzene		2	0.105	mg/L	1	0.100	<0.000247	105	70 - 130
Xylene		2	0.317	mg/L	1	0.300	<0.000189	106	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.0984	mg/L	1	0.100	<0.000238	98	70 - 130	0	20
Toluene		2	0.0970	mg/L	1	0.100	<0.000181	97	70 - 130	1	20
Ethylbenzene		2	0.103	mg/L	1	0.100	<0.000247	103	70 - 130	2	20
Xylene		2	0.312	mg/L	1	0.300	<0.000189	104	70 - 130	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)	0.101	0.100	mg/L	1	0.100	101	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.102	0.0991	mg/L	1	0.100	102	99	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 107107 | Date Analyzed: 2013-11-27 | Analyzed By: AK
Prep Batch: 90665 | QC Preparation: 2013-11-26 | Prepared By: AK

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.100	mg/L	1	0.100	<0.000238	100	70 - 130
Toluene		2	0.0988	mg/L	1	0.100	0.0006	98	70 - 130
Ethylbenzene		2	0.105	mg/L	1	0.100	<0.000247	105	70 - 130
Xylene		2	0.318	mg/L	1	0.300	<0.000189	106	70 - 130

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.0986	mg/L	1	0.100	<0.000238	99	70 - 130	2	20
Toluene		2	0.0973	mg/L	1	0.100	0.0006	97	70 - 130	2	20
Ethylbenzene		2	0.103	mg/L	1	0.100	<0.000247	103	70 - 130	2	20
Xylene		2	0.313	mg/L	1	0.300	<0.000189	104	70 - 130	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)	0.0986	0.0997	mg/L	1	0.100	99	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0994	0.0994	mg/L	1	0.100	99	99	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 107323 | Date Analyzed: 2013-12-05 | Analyzed By: MN
Prep Batch: 90876 | QC Preparation: 2013-11-27 | Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene		1	6.36	mg/L	1	8.00	<0.000121	80	40 - 100
2-Methylnaphthalene		1	5.52	mg/L	1	8.00	<0.0000913	69	45 - 105
1-Methylnaphthalene			4.94	mg/L	1	8.00	<0.000109	62	34.3 - 120
Acenaphthylene		1	6.41	mg/L	1	8.00	<0.000100	80	55 - 105
Acenaphthene	Qs	Qs	1.78	mg/L	1	8.00	<0.000122	22	45 - 110
Dibenzofuran		1	5.05	mg/L	1	8.00	<0.000108	63	55 - 105
Fluorene		1	6.78	mg/L	1	8.00	<0.000100	85	50 - 110
Anthracene		1	5.41	mg/L	1	8.00	<0.0000791	68	55 - 110
Phenanthrene		1	5.67	mg/L	1	8.00	<0.0000824	71	50 - 115
Fluoranthene		1	5.21	mg/L	1	8.00	<0.000124	65	55 - 115

continued ...

control spikes continued ...

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Pyrene		1	9.33	mg/L	1	8.00	0.00733	116	50 - 130
Benzo(a)anthracene		1	7.10	mg/L	1	8.00	<0.000101	89	55 - 110
Chrysene		1	4.68	mg/L	1	8.00	<0.0000769	58	55 - 110
Benzo(b)fluoranthene		1	6.16	mg/L	1	8.00	<0.0000813	77	45 - 120
Benzo(k)fluoranthene		1	6.23	mg/L	1	8.00	<0.0000790	78	45 - 125
Benzo(a)pyrene		1	6.82	mg/L	1	8.00	<0.0000701	85	55 - 110
Indeno(1,2,3-cd)pyrene		1	6.00	mg/L	1	8.00	0.025	75	45 - 125
Dibenzo(a,h)anthracene		1	3.21	mg/L	1	8.00	<0.0000851	40	40 - 125
Benzo(g,h,i)perylene		1	9.02	mg/L	1	8.00	0.0305	112	40 - 125

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	5.77	mg/L	1	8.00	<0.000121	72	40 - 100	10	20
2-Methylnaphthalene	Qr	Qr	1	7.16	mg/L	1	8.00	<0.0000913	90	45 - 105	26	20
1-Methylnaphthalene	Qr	Qr		6.99	mg/L	1	8.00	<0.000109	87	34.3 - 120	34	20
Acenaphthylene			1	6.31	mg/L	1	8.00	<0.000100	79	55 - 105	2	20
Acenaphthene	Qr,Qs	Qr,Qs	1	1.26	mg/L	1	8.00	<0.000122	16	45 - 110	34	20
Dibenzofuran			1	4.95	mg/L	1	8.00	<0.000108	62	55 - 105	2	20
Fluorene	Qr,Qs	Qr,Qs	1	11.3	mg/L	1	8.00	<0.000100	141	50 - 110	50	20
Anthracene			1	6.08	mg/L	1	8.00	<0.0000791	76	55 - 110	12	20
Phenanthrene			1	5.11	mg/L	1	8.00	<0.0000824	64	50 - 115	10	20
Fluoranthene			1	5.66	mg/L	1	8.00	<0.000124	71	55 - 115	8	20
Pyrene	Qr	Qr	1	6.41	mg/L	1	8.00	0.00733	80	50 - 130	37	20
Benzo(a)anthracene			1	6.55	mg/L	1	8.00	<0.000101	82	55 - 110	8	20
Chrysene			1	4.42	mg/L	1	8.00	<0.0000769	55	55 - 110	6	20
Benzo(b)fluoranthene			1	6.00	mg/L	1	8.00	<0.0000813	75	45 - 120	3	20
Benzo(k)fluoranthene			1	6.65	mg/L	1	8.00	<0.0000790	83	45 - 125	6	20
Benzo(a)pyrene			1	6.18	mg/L	1	8.00	<0.0000701	77	55 - 110	10	20
Indeno(1,2,3-cd)pyrene	Qr	Qr	1	4.49	mg/L	1	8.00	0.025	56	45 - 125	29	20
Dibenzo(a,h)anthracene	Qs	Qs	1	2.84	mg/L	1	8.00	<0.0000851	36	40 - 125	12	20
Benzo(g,h,i)perylene	Qr	Qr	1	4.88	mg/L	1	8.00	0.0305	61	40 - 125	60	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	6.20	7.15	mg/L	1	8.00	78	89	40 - 110
2-Fluorobiphenyl	5.40	7.50	mg/L	1	8.00	68	94	50 - 110
Terphenyl-d14	5.70	3.74	mg/L	1	8.00	71	47	50 - 135

Matrix Spike (MS-1) Spiked Sample: 347087

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

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.388	mg/L	1	0.100	0.274	114	70 - 130
Toluene		2	0.0986	mg/L	1	0.100	<0.000300	99	70 - 130
Ethylbenzene		2	0.106	mg/L	1	0.100	<0.000400	106	70 - 130
Xylene		2	0.316	mg/L	1	0.300	0.0361	93	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.387	mg/L	1	0.100	0.274	113	70 - 130	0	20
Toluene		2	0.100	mg/L	1	0.100	<0.000300	100	70 - 130	1	20
Ethylbenzene		2	0.108	mg/L	1	0.100	<0.000400	108	70 - 130	2	20
Xylene		2	0.322	mg/L	1	0.300	0.0361	95	70 - 130	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0906	0.0921	mg/L	1	0.1	91	92	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0932	0.0954	mg/L	1	0.1	93	95	70 - 130

Matrix Spike (MS-1) Spiked Sample: 347243

QC Batch: 107033 | Date Analyzed: 2013-11-25 | Analyzed By: AK
Prep Batch: 90602 | QC Preparation: 2013-11-22 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0951	mg/L	1	0.100	<0.000238	95	70 - 130
Toluene		2	0.0921	mg/L	1	0.100	<0.000181	92	70 - 130
Ethylbenzene		2	0.0971	mg/L	1	0.100	<0.000247	97	70 - 130
Xylene		2	0.295	mg/L	1	0.300	<0.000189	98	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.0983	mg/L	1	0.100	<0.000238	98	70 - 130	3	20
Toluene		2	0.0952	mg/L	1	0.100	<0.000181	95	70 - 130	3	20

continued ...

matrix spikes continued . . .

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene		2	0.0999	mg/L	1	0.100	<0.000247	100	70 - 130	3	20
Xylene		2	0.303	mg/L	1	0.300	<0.000189	101	70 - 130	3	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.103	0.103	mg/L	1	0.1	103	103	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0982	0.0984	mg/L	1	0.1	98	98	70 - 130

Matrix Spike (MS-1) Spiked Sample: 347244

QC Batch: 107061 | Date Analyzed: 2013-11-26 | Analyzed By: AK
Prep Batch: 90643 | QC Preparation: 2013-11-25 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.103	mg/L	1	0.100	<0.000238	103	70 - 130
Toluene		2	0.102	mg/L	1	0.100	<0.000181	102	70 - 130
Ethylbenzene		2	0.108	mg/L	1	0.100	<0.000247	108	70 - 130
Xylene		2	0.327	mg/L	1	0.300	<0.000189	109	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.104	mg/L	1	0.100	<0.000238	104	70 - 130	1	20
Toluene		2	0.102	mg/L	1	0.100	<0.000181	102	70 - 130	0	20
Ethylbenzene		2	0.108	mg/L	1	0.100	<0.000247	108	70 - 130	0	20
Xylene		2	0.330	mg/L	1	0.300	<0.000189	110	70 - 130	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)	0.101	0.103	mg/L	1	0.1	101	103	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0993	0.100	mg/L	1	0.1	99	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 347086

QC Batch: 107107 | Date Analyzed: 2013-11-27 | Analyzed By: AK
Prep Batch: 90665 | QC Preparation: 2013-11-26 | Prepared By: AK

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	1.93	mg/L	10	1.00	0.926	100	70 - 130
Toluene		2	0.948	mg/L	10	1.00	0.0056	94	70 - 130
Ethylbenzene		2	1.08	mg/L	10	1.00	0.0348	104	70 - 130
Xylene		2	3.10	mg/L	10	3.00	<0.00189	103	70 - 130

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	2.01	mg/L	10	1.00	0.926	108	70 - 130	4	20
Toluene		2	1.01	mg/L	10	1.00	0.0056	100	70 - 130	6	20
Ethylbenzene		2	1.12	mg/L	10	1.00	0.0348	108	70 - 130	4	20
Xylene		2	3.22	mg/L	10	3.00	<0.00189	107	70 - 130	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)	0.997	1.00	mg/L	10	1	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	1.00	1.00	mg/L	10	1	100	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 347145

QC Batch: 107323 | Date Analyzed: 2013-12-05 | Analyzed By: MN
Prep Batch: 90876 | QC Preparation: 2013-11-27 | Prepared By: MN

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene		1	5.39	mg/L	1	8.00	<0.000121	67	40 - 100
2-Methylnaphthalene		1	4.77	mg/L	1	8.00	0.124	58	45 - 105
1-Methylnaphthalene			4.79	mg/L	1	8.00	0.22	57	34.3 - 120
Acenaphthylene		1	6.38	mg/L	1	8.00	<0.000100	80	55 - 105
Acenaphthene	Qs	Qs	1.62	mg/L	1	8.00	<0.000122	20	45 - 110
Dibenzofuran	Qs	Qs	20.6	mg/L	1	8.00	<0.000108	258	55 - 105
Fluorene		1	5.83	mg/L	1	8.00	<0.000100	73	50 - 110
Anthracene	Qs	Qs	1.78	mg/L	1	8.00	<0.0000791	22	55 - 110
Phenanthrene	Qs	Qs	1.90	mg/L	1	8.00	0.0326	23	50 - 115
Fluoranthene	Qs	Qs	3.64	mg/L	1	8.00	<0.000124	46	55 - 115
Pyrene	Qs	Qs	3.58	mg/L	1	8.00	<0.0000691	45	50 - 130
Benzo(a)anthracene		1	5.13	mg/L	1	8.00	<0.000101	64	55 - 110
Chrysene	Qs	Qs	3.76	mg/L	1	8.00	<0.0000769	47	55 - 110
Benzo(b)fluoranthene		1	4.47	mg/L	1	8.00	<0.0000813	56	45 - 120
Benzo(k)fluoranthene		1	4.74	mg/L	1	8.00	<0.0000790	59	45 - 125
Benzo(a)pyrene		1	4.41	mg/L	1	8.00	<0.0000701	55	55 - 110

continued ...

matrix spikes continued ...

Param		F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Indeno(1,2,3-cd)pyrene	Qs	Qs	1	3.02	mg/L	1	8.00	<0.0000770	38	45 - 125
Dibenzo(a,h)anthracene	Qs	Qs	1	1.63	mg/L	1	8.00	<0.0000851	20	40 - 125
Benzo(g,h,i)perylene	Qs	Qs	1	3.17	mg/L	1	8.00	<0.0000798	40	40 - 125

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
Naphthalene			1	6.00	mg/L	1	8.00	<0.000121	75	40 - 100	11	20
2-Methylnaphthalene	Qr,Qs	Qr,Qs	1	9.66	mg/L	1	8.00	0.124	121	45 - 105	68	20
1-Methylnaphthalene	Qr	Qr		9.60	mg/L	1	8.00	0.22	120	34.3 - 120	67	20
Acenaphthylene			1	5.22	mg/L	1	8.00	<0.000100	65	55 - 105	20	20
Acenaphthene	Qs	Qs	1	1.56	mg/L	1	8.00	<0.000122	20	45 - 110	4	20
Dibenzofuran	Qr,Qs	Qr,Qs	1	26.7	mg/L	1	8.00	<0.000108	334	55 - 105	26	20
Fluorene			1	6.42	mg/L	1	8.00	<0.000100	80	50 - 110	10	20
Anthracene	Qr	Qr	1	4.82	mg/L	1	8.00	<0.0000791	60	55 - 110	92	20
Phenanthrene	Qr	Qr	1	4.94	mg/L	1	8.00	0.0326	62	50 - 115	89	20
Fluoranthene	Qr,Qs	Qr,Qs	1	2.53	mg/L	1	8.00	<0.000124	32	55 - 115	36	20
Pyrene	Qr	Qr	1	7.47	mg/L	1	8.00	<0.0000691	93	50 - 130	70	20
Benzo(a)anthracene	Qr	Qr	1	6.88	mg/L	1	8.00	<0.000101	86	55 - 110	29	20
Chrysene	Qr	Qr	1	5.18	mg/L	1	8.00	<0.0000769	65	55 - 110	32	20
Benzo(b)fluoranthene	Qr	Qr	1	5.98	mg/L	1	8.00	<0.0000813	75	45 - 120	29	20
Benzo(k)fluoranthene	Qr	Qr	1	6.17	mg/L	1	8.00	<0.0000790	77	45 - 125	26	20
Benzo(a)pyrene	Qr	Qr	1	6.48	mg/L	1	8.00	<0.0000701	81	55 - 110	38	20
Indeno(1,2,3-cd)pyrene			1	3.66	mg/L	1	8.00	<0.0000770	46	45 - 125	19	20
Dibenzo(a,h)anthracene	Qr	Qr	1	3.81	mg/L	1	8.00	<0.0000851	48	40 - 125	80	20
Benzo(g,h,i)perylene			1	3.84	mg/L	1	8.00	<0.0000798	48	40 - 125	19	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
Nitrobenzene-d5			4.52	4.78	mg/L	1	8	56	60	40 - 110
2-Fluorobiphenyl			4.23	3.70	mg/L	1	8	53	46	50 - 110
Terphenyl-d14	Qsr	Qsr	2.48	4.00	mg/L	1	8	31	50	50 - 135

Calibration Standards

Standard (CCV-1)

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

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0995	100	80 - 120	2013-11-25
Toluene		2	mg/L	0.100	0.0976	98	80 - 120	2013-11-25
Ethylbenzene		2	mg/L	0.100	0.0933	93	80 - 120	2013-11-25
Xylene		2	mg/L	0.300	0.279	93	80 - 120	2013-11-25

Standard (CCV-2)

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

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0972	97	80 - 120	2013-11-25
Toluene		2	mg/L	0.100	0.0955	96	80 - 120	2013-11-25
Ethylbenzene		2	mg/L	0.100	0.0916	92	80 - 120	2013-11-25
Xylene		2	mg/L	0.300	0.275	92	80 - 120	2013-11-25

Standard (CCV-3)

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

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0954	95	80 - 120	2013-11-25
Toluene		2	mg/L	0.100	0.0940	94	80 - 120	2013-11-25
Ethylbenzene		2	mg/L	0.100	0.0900	90	80 - 120	2013-11-25
Xylene		2	mg/L	0.300	0.270	90	80 - 120	2013-11-25

Standard (CCV-1)

QC Batch: 107033 Date Analyzed: 2013-11-25 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.106	106	80 - 120	2013-11-25
Toluene		2	mg/L	0.100	0.105	105	80 - 120	2013-11-25
Ethylbenzene		2	mg/L	0.100	0.111	111	80 - 120	2013-11-25
Xylene		2	mg/L	0.300	0.336	112	80 - 120	2013-11-25

Standard (CCV-2)

QC Batch: 107033 Date Analyzed: 2013-11-25 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.102	102	80 - 120	2013-11-25
Toluene		2	mg/L	0.100	0.101	101	80 - 120	2013-11-25
Ethylbenzene		2	mg/L	0.100	0.107	107	80 - 120	2013-11-25
Xylene		2	mg/L	0.300	0.325	108	80 - 120	2013-11-25

Standard (CCV-3)

QC Batch: 107033 Date Analyzed: 2013-11-25 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.104	104	80 - 120	2013-11-25
Toluene		2	mg/L	0.100	0.104	104	80 - 120	2013-11-25
Ethylbenzene		2	mg/L	0.100	0.109	109	80 - 120	2013-11-25
Xylene		2	mg/L	0.300	0.332	111	80 - 120	2013-11-25

Standard (CCV-1)

QC Batch: 107061 Date Analyzed: 2013-11-26 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.104	104	80 - 120	2013-11-26
Toluene		2	mg/L	0.100	0.103	103	80 - 120	2013-11-26
Ethylbenzene		2	mg/L	0.100	0.109	109	80 - 120	2013-11-26
Xylene		2	mg/L	0.300	0.329	110	80 - 120	2013-11-26

Standard (CCV-2)

QC Batch: 107061 Date Analyzed: 2013-11-26 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0994	99	80 - 120	2013-11-26
Toluene		2	mg/L	0.100	0.0983	98	80 - 120	2013-11-26
Ethylbenzene		2	mg/L	0.100	0.104	104	80 - 120	2013-11-26
Xylene		2	mg/L	0.300	0.316	105	80 - 120	2013-11-26

Standard (CCV-3)

QC Batch: 107061 Date Analyzed: 2013-11-26 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0974	97	80 - 120	2013-11-26
Toluene		2	mg/L	0.100	0.0957	96	80 - 120	2013-11-26
Ethylbenzene		2	mg/L	0.100	0.102	102	80 - 120	2013-11-26
Xylene		2	mg/L	0.300	0.307	102	80 - 120	2013-11-26

Standard (CCV-1)

QC Batch: 107107 Date Analyzed: 2013-11-27 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.101	101	80 - 120	2013-11-27

continued ...

standard continued . . .

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		2	mg/L	0.100	0.0985	98	80 - 120	2013-11-27
Ethylbenzene		2	mg/L	0.100	0.104	104	80 - 120	2013-11-27
Xylene		2	mg/L	0.300	0.315	105	80 - 120	2013-11-27

Standard (CCV-2)

QC Batch: 107107 Date Analyzed: 2013-11-27 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.100	100	80 - 120	2013-11-27
Toluene		2	mg/L	0.100	0.0985	98	80 - 120	2013-11-27
Ethylbenzene		2	mg/L	0.100	0.104	104	80 - 120	2013-11-27
Xylene		2	mg/L	0.300	0.314	105	80 - 120	2013-11-27

Standard (CCV-3)

QC Batch: 107107 Date Analyzed: 2013-11-27 Analyzed By: AK

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.103	103	80 - 120	2013-11-27
Toluene		2	mg/L	0.100	0.102	102	80 - 120	2013-11-27
Ethylbenzene		2	mg/L	0.100	0.108	108	80 - 120	2013-11-27
Xylene		2	mg/L	0.300	0.328	109	80 - 120	2013-11-27

Standard (CCV-1)

QC Batch: 107323 Date Analyzed: 2013-12-05 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	68.8	115	80 - 120	2013-12-05

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	64.4	107	80 - 120	2013-12-05
1-Methylnaphthalene				mg/L	60.0	57.9	96	80 - 120	2013-12-05
Acenaphthylene			1	mg/L	60.0	67.4	112	80 - 120	2013-12-05
Acenaphthene			1	mg/L	60.0	71.8	120	80 - 120	2013-12-05
Dibenzofuran			1	mg/L	60.0	66.0	110	80 - 120	2013-12-05
Fluorene	Qc	Qc	1	mg/L	60.0	80.8	135	80 - 120	2013-12-05
Anthracene			1	mg/L	60.0	65.8	110	80 - 120	2013-12-05
Phenanthrene			1	mg/L	60.0	63.8	106	80 - 120	2013-12-05
Fluoranthene			1	mg/L	60.0	48.4	81	80 - 120	2013-12-05
Pyrene			1	mg/L	60.0	69.3	116	80 - 120	2013-12-05
Benzo(a)anthracene			1	mg/L	60.0	61.9	103	80 - 120	2013-12-05
Chrysene			1	mg/L	60.0	62.4	104	80 - 120	2013-12-05
Benzo(b)fluoranthene			1	mg/L	60.0	61.4	102	80 - 120	2013-12-05
Benzo(k)fluoranthene			1	mg/L	60.0	62.1	104	80 - 120	2013-12-05
Benzo(a)pyrene			1	mg/L	60.0	66.9	112	80 - 120	2013-12-05
Indeno(1,2,3-cd)pyrene			1	mg/L	60.0	56.2	94	80 - 120	2013-12-05
Dibenzo(a,h)anthracene			1	mg/L	60.0	48.6	81	80 - 120	2013-12-05
Benzo(g,h,i)perylene			1	mg/L	60.0	57.1	95	80 - 120	2013-12-05

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			101	mg/L	1	60.0	168	-
2-Fluorobiphenyl			84.4	mg/L	1	60.0	141	-
Terphenyl-d14			67.3	mg/L	1	60.0	112	-

Standard (CCV-2)

QC Batch: 107323 | Date Analyzed: 2013-12-05 | 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	64.1	107	80 - 120	2013-12-05
2-Methylnaphthalene			1	mg/L	60.0	68.6	114	80 - 120	2013-12-05
1-Methylnaphthalene				mg/L	60.0	52.4	87	80 - 120	2013-12-05
Acenaphthylene			1	mg/L	60.0	59.1	98	80 - 120	2013-12-05
Acenaphthene			1	mg/L	60.0	63.1	105	80 - 120	2013-12-05
Dibenzofuran			1	mg/L	60.0	55.8	93	80 - 120	2013-12-05
Fluorene		Qc	Qc	1	mg/L	60.0	76.8	128	80 - 120	2013-12-05
Anthracene			1	mg/L	60.0	61.2	102	80 - 120	2013-12-05
Phenanthrene			1	mg/L	60.0	66.7	111	80 - 120	2013-12-05

continued . . .

standard continued ...

Param		Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoranthene			1	mg/L	60.0	56.2	94	80 - 120	2013-12-05
Pyrene	Qc	Qc	1	mg/L	60.0	94.2	157	80 - 120	2013-12-05
Benzo(a)anthracene			1	mg/L	60.0	60.4	101	80 - 120	2013-12-05
Chrysene			1	mg/L	60.0	51.6	86	80 - 120	2013-12-05
Benzo(b)fluoranthene			1	mg/L	60.0	49.0	82	80 - 120	2013-12-05
Benzo(k)fluoranthene	Qc	Qc	1	mg/L	60.0	36.2	60	80 - 120	2013-12-05
Benzo(a)pyrene			1	mg/L	60.0	69.9	116	80 - 120	2013-12-05
Indeno(1,2,3-cd)pyrene	Qc	Qc	1	mg/L	60.0	46.2	77	80 - 120	2013-12-05
Dibenzo(a,h)anthracene			1	mg/L	60.0	50.4	84	80 - 120	2013-12-05
Benzo(g,h,i)perylene	Qc	Qc	1	mg/L	60.0	46.9	78	80 - 120	2013-12-05

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			88.8	mg/L	1	60.0	148	-
2-Fluorobiphenyl			65.3	mg/L	1	60.0	109	-
Terphenyl-d14			91.1	mg/L	1	60.0	152	-

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	T104704219-13-9	Lubbock
2	NELAP	T104704392-13-7	Midland

Standard Flags

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

Attachments

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

LAB Order ID # 1311220223

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

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

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

Company Name: NOVA
Phone #: (432) 520-7720
Address: (Street, City, Zip) 2057 Commerce Midland Tx
Fax #:
Contact Person: Curt Stanley
E-mail:
Invoice to: (If different from above) Plains
Project #: 2002-10286
Project Name: 34 Junction to Lea Station
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	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
347242	mw4	3	VOA	X				X				X		11/21/13	1230		X																			
243	mw8	↓	↓	↓				↓				↓		↓	1242		↓																			
244	mw9														1256																					
245	mw6														1316																					
246	mw5														1328																					
247	mw10	↓													1339																					
248	mw3	6													1355					X															
249	mw1	↓													1443					↓															
250	mw7	↓													1412					↓															
251	mw2	3	↓	↓				↓				↓		↓	1424		↓			↓*																

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
David Fletcher	NOVA	11/22/13	902		TA	11/22/13	9:02	INST IR OBS 57 °C COR 5.6 °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 YC

REMARKS: Midland - BTEX
Lubbock - PAH

- ☐ 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 # Carry

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LAB Order ID # 13122023

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Lubbock, Texas 79424
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Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

Company Name: NOVA
Phone #: (432) 520-7720
Address: (Street, City, Zip) 2057 Commerce Midland Tx
Fax #:
Contact Person: Curt Stanley
E-mail:
Invoice to: (If different from above) Plains
Project #: 2002-10286
Project Name: 34 Junction to Lea Station
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	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO_4, NO_3-N, NO_2-N, PO_4-P, Alkalinity	Na, Ca, Mg, K, TDS, EC					Turn Around Time if different from standard	Hold
347242	mw4	3	VOA	X				X				X		11/21/13	1230		X																							
243	mw8	↓	↓	↓				↓				↓		↓	1242		↓																								
244	mw9														1256																										
245	mw6														1316																										
246	mw5														1328																										
247	mw10	↓													1339																										
248	mw3	6													1355					X																				
249	mw1	↓													1443					↓																				
250	mw7														1412																										
251	mw2	3	↓	↓				↓				↓		↓	1424		↓			↓*																					

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
David Fletcher	NOVA	11/22/13	902		TA	11/22/13	9:02	INST IR-1 OBS 5.7 °C COR 5.5 °C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST ____ OBS ____ °C COR ____ °C
Relinquished by:	Company:	Date:	Time:	Received by: Brenda Ward	Company: TA Lubbock	11/22/13	8:55	INST IR-3 OBS 3.7 °C COR 3.4 °C

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

REMARKS: Midland - BTEX Lubbock - PAH

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

Carrier # Carry LS 2961 4890

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

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