

1R - _____110_____

**Annual GW
Mon. Report
(Laboratory Results)**

**Year:
_____2012_____**

Summary Report

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

Report Date: February 16, 2012

Work Order: 12021002



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
288694	MW 6	water	2012-02-09	16:48	2012-02-10
288695	MW 3	water	2012-02-09	17:00	2012-02-10
288696	MW 5	water	2012-02-09	17:03	2012-02-10
288697	MW 2	water	2012-02-09	17:05	2012-02-10
288698	MW 8	water	2012-02-09	17:20	2012-02-10

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
288694 - MW 6	<0.00100	<0.00100	<0.00100	<0.00100
288695 - MW 3	<0.00100	<0.00100	<0.00100	<0.00100
288696 - MW 5	<0.00100	<0.00100	<0.00100	<0.00100
288697 - MW 2	0.00730	<0.00100	0.0564	0.0112
288698 - MW 8	0.0441	<0.00100	0.109	0.130



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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: February 16, 2012

Work Order: 12021002



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
288694	MW 6	water	2012-02-09	16:48	2012-02-10
288695	MW 3	water	2012-02-09	17:00	2012-02-10
288696	MW 5	water	2012-02-09	17:03	2012-02-10
288697	MW 2	water	2012-02-09	17:05	2012-02-10
288698	MW 8	water	2012-02-09	17:20	2012-02-10

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

This report consists of a total of 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink that reads "Michael Abel". The script is fluid and cursive, with the first name "Michael" and last name "Abel" clearly distinguishable.

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

Report Contents

Case Narrative	4
Analytical Report	5
Sample 288694 (MW 6)	5
Sample 288695 (MW 3)	5
Sample 288696 (MW 5)	5
Sample 288697 (MW 2)	6
Sample 288698 (MW 8)	6
Method Blanks	8
QC Batch 88644 - Method Blank (1)	8
Laboratory Control Spikes	9
QC Batch 88644 - LCS (1)	9
QC Batch 88644 - MS (1)	9
Calibration Standards	11
QC Batch 88644 - CCV (1)	11
QC Batch 88644 - CCV (2)	11
QC Batch 88644 - CCV (3)	11
Appendix	12
Report Definitions	12
Laboratory Certifications	12
Standard Flags	12
Attachments	12

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2012-02-10 and assigned to work order 12021002. Samples for work order 12021002 were received intact without headspace and at a temperature of 7.3 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	75244	2012-02-15 at 09:50	88644	2012-02-15 at 10:08

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 12021002 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: 288694 - MW 6

Laboratory: Midland
Analysis: BTEX
QC Batch: 88644
Prep Batch: 75244

Analytical Method: S 8021B
Date Analyzed: 2012-02-15
Sample Preparation: 2012-02-15

Prep Method: S 5030B
Analyzed By: tc
Prepared By: tc

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.112	mg/L	1	0.100	112	73.5 - 123.1
4-Bromofluorobenzene (4-BFB)			0.0738	mg/L	1	0.100	74	51.1 - 122.9

Sample: 288695 - MW 3

Laboratory: Midland
Analysis: BTEX
QC Batch: 88644
Prep Batch: 75244

Analytical Method: S 8021B
Date Analyzed: 2012-02-15
Sample Preparation: 2012-02-15

Prep Method: S 5030B
Analyzed By: tc
Prepared By: tc

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.104	mg/L	1	0.100	104	73.5 - 123.1
4-Bromofluorobenzene (4-BFB)			0.0655	mg/L	1	0.100	66	51.1 - 122.9

Report Date: February 16, 2012
TNM Monument #2

Work Order: 12021002
Monument #2

Page Number: 6 of 12
Monument

Sample: 288696 - MW 5

Laboratory: Midland

Analysis: BTEX

QC Batch: 88644

Prep Batch: 75244

Analytical Method: S 8021B

Date Analyzed: 2012-02-15

Sample Preparation: 2012-02-15

Prep Method: S 5030B

Analyzed By: tc

Prepared By: tc

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0750	mg/L	1	0.100	75	73.5 - 123.1
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	0.0471	mg/L	1	0.100	47	51.1 - 122.9

Sample: 288697 - MW 2

Laboratory: Midland

Analysis: BTEX

QC Batch: 88644

Prep Batch: 75244

Analytical Method: S 8021B

Date Analyzed: 2012-02-15

Sample Preparation: 2012-02-15

Prep Method: S 5030B

Analyzed By: tc

Prepared By: tc

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	0.00730	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	0.0564	mg/L	1	0.00100
Xylene		1	0.0112	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0952	mg/L	1	0.100	95	73.5 - 123.1
4-Bromofluorobenzene (4-BFB)			0.0906	mg/L	1	0.100	91	51.1 - 122.9

Report Date: February 16, 2012
TNM Monument #2

Work Order: 12021002
Monument #2

Page Number: 7 of 12
Monument

Sample: 288698 - MW 8

Laboratory: Midland

Analysis: BTEX

QC Batch: 88644

Prep Batch: 75244

Analytical Method: S 8021B

Date Analyzed: 2012-02-15

Sample Preparation: 2012-02-15

Prep Method: S 5030B

Analyzed By: tc

Prepared By: tc

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	0.0441	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene		1	0.109	mg/L	1	0.00100
Xylene		1	0.130	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.105	mg/L	1	0.100	105	73.5 - 123.1
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	0.128	mg/L	1	0.100	128	51.1 - 122.9

Method Blanks

Method Blank (1) QC Batch: 88644

QC Batch: 88644
Prep Batch: 75244

Date Analyzed: 2012-02-15
QC Preparation: 2012-02-15

Analyzed By: tc
Prepared By: tc

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000600	mg/L	0.001
Toluene		1	<0.000400	mg/L	0.001
Ethylbenzene		1	<0.000600	mg/L	0.001
Xylene		1	<0.00130	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.118	mg/L	1	0.100	118	74.2 - 126
4-Bromofluorobenzene (4-BFB)			0.0851	mg/L	1	0.100	85	54.3 - 104.6

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 88644
Prep Batch: 75244

Date Analyzed: 2012-02-15
QC Preparation: 2012-02-15

Analyzed By: tc
Prepared By: tc

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.102	mg/L	1	0.100	<0.000600	102	89.7 - 117.6
Toluene		1	0.102	mg/L	1	0.100	<0.000400	102	83.9 - 113.9
Ethylbenzene		1	0.0982	mg/L	1	0.100	<0.000600	98	76.8 - 110.8
Xylene		1	0.286	mg/L	1	0.300	<0.00130	95	76.2 - 110.5

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.105	mg/L	1	0.100	<0.000600	105	89.7 - 117.6	3	20
Toluene		1	0.104	mg/L	1	0.100	<0.000400	104	83.9 - 113.9	2	20
Ethylbenzene		1	0.102	mg/L	1	0.100	<0.000600	102	76.8 - 110.8	4	20
Xylene		1	0.294	mg/L	1	0.300	<0.00130	98	76.2 - 110.5	3	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.109	0.110	mg/L	1	0.100	109	110	72.5 - 117
4-Bromofluorobenzene (4-BFB)	0.0913	0.0948	mg/L	1	0.100	91	95	69.4 - 114

Matrix Spike (MS-1) Spiked Sample: 288673

QC Batch: 88644
Prep Batch: 75244

Date Analyzed: 2012-02-15
QC Preparation: 2012-02-15

Analyzed By: tc
Prepared By: tc

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	1.14	mg/L	10	1.00	0.0304	111	86.6 - 130.3
Toluene		1	1.07	mg/L	10	1.00	<0.00400	107	82.2 - 120.1
Ethylbenzene		1	1.71	mg/L	10	1.00	0.678	103	66.8 - 119.2
Xylene		1	2.92	mg/L	10	3.00	<0.0130	97	66.5 - 118.4

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

Report Date: February 16, 2012
TNM Monument #2

Work Order: 12021002
Monument #2

Page Number: 10 of 12
Monument

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	1.07	mg/L	10	1.00	0.0304	104	86.6 - 130.3	6	20
Toluene		1	1.00	mg/L	10	1.00	<0.00400	100	82.2 - 120.1	7	20
Ethylbenzene		1	1.64	mg/L	10	1.00	0.678	96	66.8 - 119.2	4	20
Xylene		1	2.78	mg/L	10	3.00	<0.0130	93	66.5 - 118.4	5	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.16	1.11	mg/L	10	1	116	111	73.2 - 116.6
4-Bromofluorobenzene (4-BFB)	0.928	0.878	mg/L	10	1	93	88	64.8 - 125.7

Calibration Standards

Standard (CCV-1)

QC Batch: 88644

Date Analyzed: 2012-02-15

Analyzed By: tc

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	2012-02-15
Toluene		1	mg/L	0.100	0.0950	95	80 - 120	2012-02-15
Ethylbenzene		1	mg/L	0.100	0.0904	90	80 - 120	2012-02-15
Xylene		1	mg/L	0.300	0.264	88	80 - 120	2012-02-15

Standard (CCV-2)

QC Batch: 88644

Date Analyzed: 2012-02-15

Analyzed By: tc

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.110	110	80 - 120	2012-02-15
Toluene		1	mg/L	0.100	0.105	105	80 - 120	2012-02-15
Ethylbenzene		1	mg/L	0.100	0.0997	100	80 - 120	2012-02-15
Xylene		1	mg/L	0.300	0.289	96	80 - 120	2012-02-15

Standard (CCV-3)

QC Batch: 88644

Date Analyzed: 2012-02-15

Analyzed By: tc

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	2012-02-15
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2012-02-15
Ethylbenzene		1	mg/L	0.100	0.0943	94	80 - 120	2012-02-15
Xylene		1	mg/L	0.300	0.271	90	80 - 120	2012-02-15

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	T104704392-11-3	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 than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

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

Summary Report

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

Report Date: May 29, 2012

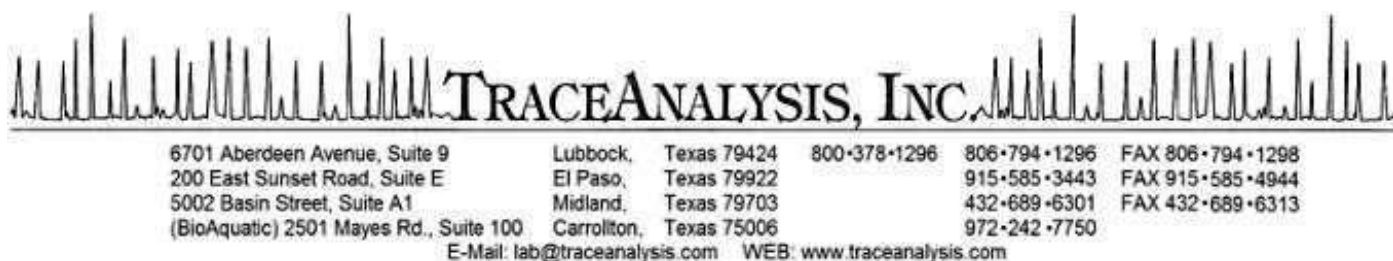
Work Order: 12052202



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
298214	MW-4	water	2012-05-21	12:45	2012-05-22
298215	MW-6	water	2012-05-21	12:50	2012-05-22
298216	MW-3	water	2012-05-21	13:00	2012-05-22
298217	MW-5	water	2012-05-21	13:05	2012-05-22
298218	MW-2	water	2012-05-21	13:15	2012-05-22
298219	MW-8	water	2012-05-21	13:20	2012-05-22

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
298214 - MW-4	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r
298215 - MW-6	<0.00100	<0.00100	<0.00100	<0.00100
298216 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100
298217 - MW-5	0.00110 Q _r	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r
298218 - MW-2	0.0112 Q _r	<0.00100 Q _r	0.0586 Q _r	0.0424 Q _r
298219 - MW-8	0.00760 Q _r	0.00140 Q _r	0.101 Q _r	0.175 Q _r



Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: May 29, 2012

Work Order: 12052202



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
298214	MW-4	water	2012-05-21	12:45	2012-05-22
298215	MW-6	water	2012-05-21	12:50	2012-05-22
298216	MW-3	water	2012-05-21	13:00	2012-05-22
298217	MW-5	water	2012-05-21	13:05	2012-05-22
298218	MW-2	water	2012-05-21	13:15	2012-05-22
298219	MW-8	water	2012-05-21	13:20	2012-05-22

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.

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

A handwritten signature in black ink that reads "Michael Abel". The signature is written in a cursive style with a large, stylized 'M' and 'A'.

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

Report Contents

Case Narrative	4
Analytical Report	5
Sample 298214 (MW-4)	5
Sample 298215 (MW-6)	5
Sample 298216 (MW-3)	5
Sample 298217 (MW-5)	6
Sample 298218 (MW-2)	6
Sample 298219 (MW-8)	7
Method Blanks	8
QC Batch 91530 - Method Blank (1)	8
QC Batch 91578 - Method Blank (1)	8
Laboratory Control Spikes	9
QC Batch 91530 - LCS (1)	9
QC Batch 91578 - LCS (1)	9
QC Batch 91530 - MS (1)	10
QC Batch 91578 - MS (1)	10
Calibration Standards	12
QC Batch 91530 - CCV (1)	12
QC Batch 91530 - CCV (2)	12
QC Batch 91578 - CCV (1)	12
QC Batch 91578 - CCV (2)	12
Appendix	14
Report Definitions	14
Laboratory Certifications	14
Standard Flags	14
Attachments	14

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2012-05-22 and assigned to work order 12052202. Samples for work order 12052202 were received intact without headspace and at a temperature of 5.7 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	77655	2012-05-24 at 13:33	91530	2012-05-24 at 13:33
BTEX	S 8021B	77692	2012-05-25 at 14:43	91578	2012-05-15 at 14:43

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 12052202 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: 298214 - MW-4

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 91578
Prep Batch: 77692

Analytical Method: S 8021B
Date Analyzed: 2012-05-15
Sample Preparation: 2012-05-25

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr	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)			0.105	mg/L	1	0.100	105	70 - 130
4-Bromofluorobenzene (4-BFB)			0.107	mg/L	1	0.100	107	70 - 130

Sample: 298215 - MW-6

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 91530
Prep Batch: 77655

Analytical Method: S 8021B
Date Analyzed: 2012-05-24
Sample Preparation: 2012-05-24

Prep Method: S 5030B
Analyzed By: ZLM
Prepared By: ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.103	mg/L	1	0.100	103	70 - 130
4-Bromofluorobenzene (4-BFB)			0.104	mg/L	1	0.100	104	70 - 130

Report Date: May 29, 2012
TNM Monument #2

Work Order: 12052202
Monument #2

Page Number: 6 of 14
Monument

Sample: 298216 - MW-3

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 91530

Prep Batch: 77655

Analytical Method: S 8021B

Date Analyzed: 2012-05-24

Sample Preparation: 2012-05-24

Prep Method: S 5030B

Analyzed By: ZLM

Prepared By: ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.103	mg/L	1	0.100	103	70 - 130
4-Bromofluorobenzene (4-BFB)			0.105	mg/L	1	0.100	105	70 - 130

Sample: 298217 - MW-5

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 91578

Prep Batch: 77692

Analytical Method: S 8021B

Date Analyzed: 2012-05-15

Sample Preparation: 2012-05-25

Prep Method: S 5030B

Analyzed By: MT

Prepared By: MT

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr	1	0.00110	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)			0.105	mg/L	1	0.100	105	70 - 130
4-Bromofluorobenzene (4-BFB)			0.106	mg/L	1	0.100	106	70 - 130

Report Date: May 29, 2012
TNM Monument #2

Work Order: 12052202
Monument #2

Page Number: 7 of 14
Monument

Sample: 298218 - MW-2

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 91578

Prep Batch: 77692

Analytical Method: S 8021B

Date Analyzed: 2012-05-15

Sample Preparation: 2012-05-25

Prep Method: S 5030B

Analyzed By: MT

Prepared By: MT

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr	1	0.0112	mg/L	1	0.00100
Toluene	Qr, U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qr	1	0.0586	mg/L	1	0.00100
Xylene	Qr	1	0.0424	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.100	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	0.149	mg/L	1	0.100	149	70 - 130

Sample: 298219 - MW-8

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 91578

Prep Batch: 77692

Analytical Method: S 8021B

Date Analyzed: 2012-05-15

Sample Preparation: 2012-05-25

Prep Method: S 5030B

Analyzed By: MT

Prepared By: MT

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr	1	0.00760	mg/L	1	0.00100
Toluene	Qr	1	0.00140	mg/L	1	0.00100
Ethylbenzene	Qr	1	0.101	mg/L	1	0.00100
Xylene	Qr	1	0.175	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0996	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	Qsr	Qsr	0.148	mg/L	1	0.100	148	70 - 130

Method Blanks

Method Blank (1) QC Batch: 91530

QC Batch: 91530 Date Analyzed: 2012-05-24 Analyzed By: ZLM
Prep Batch: 77655 QC Preparation: 2012-05-24 Prepared By: ZLM

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000371	mg/L	0.001
Toluene		1	<0.000347	mg/L	0.001
Ethylbenzene		1	<0.000326	mg/L	0.001
Xylene		1	<0.000357	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)			0.104	mg/L	1	0.100	104	70 - 130

Method Blank (1) QC Batch: 91578

QC Batch: 91578 Date Analyzed: 2012-05-15 Analyzed By: MT
Prep Batch: 77692 QC Preparation: 2012-05-25 Prepared By: MT

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000371	mg/L	0.001
Toluene		1	<0.000347	mg/L	0.001
Ethylbenzene		1	<0.000326	mg/L	0.001
Xylene		1	<0.000357	mg/L	0.001

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)			0.105	mg/L	1	0.100	105	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 91530
Prep Batch: 77655

Date Analyzed: 2012-05-24
QC Preparation: 2012-05-24

Analyzed By: ZLM
Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0987	mg/L	1	0.100	<0.000371	99	78.6 - 120
Toluene		1	0.0990	mg/L	1	0.100	<0.000347	99	79.6 - 120
Ethylbenzene		1	0.0997	mg/L	1	0.100	<0.000326	100	80 - 120
Xylene		1	0.295	mg/L	1	0.300	<0.000357	98	79.3 - 120

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0997	mg/L	1	0.100	<0.000371	100	78.6 - 120	1	20
Toluene		1	0.0995	mg/L	1	0.100	<0.000347	100	79.6 - 120	0	20
Ethylbenzene		1	0.103	mg/L	1	0.100	<0.000326	103	80 - 120	3	20
Xylene		1	0.302	mg/L	1	0.300	<0.000357	101	79.3 - 120	2	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0969	0.0966	mg/L	1	0.100	97	97	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0950	0.0949	mg/L	1	0.100	95	95	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 91578
Prep Batch: 77692

Date Analyzed: 2012-05-15
QC Preparation: 2012-05-25

Analyzed By: MT
Prepared By: MT

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0983	mg/L	1	0.100	<0.000371	98	78.6 - 120
Toluene		1	0.0991	mg/L	1	0.100	<0.000347	99	79.6 - 120
Ethylbenzene		1	0.102	mg/L	1	0.100	<0.000326	102	80 - 120
Xylene		1	0.300	mg/L	1	0.300	<0.000357	100	79.3 - 120

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

Report Date: May 29, 2012
TNM Monument #2

Work Order: 12052202
Monument #2

Page Number: 10 of 14
Monument

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0974	mg/L	1	0.100	<0.000371	97	78.6 - 120	1	20
Toluene		1	0.0985	mg/L	1	0.100	<0.000347	98	79.6 - 120	1	20
Ethylbenzene		1	0.101	mg/L	1	0.100	<0.000326	101	80 - 120	1	20
Xylene		1	0.299	mg/L	1	0.300	<0.000357	100	79.3 - 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)	0.0965	0.0951	mg/L	1	0.100	96	95	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0972	0.0972	mg/L	1	0.100	97	97	70 - 130

Matrix Spike (MS-1) Spiked Sample: 297869

QC Batch: 91530
Prep Batch: 77655

Date Analyzed: 2012-05-24
QC Preparation: 2012-05-24

Analyzed By: ZLM
Prepared By: ZLM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0997	mg/L	1	0.100	<0.000371	100	42.2 - 136
Toluene		1	0.100	mg/L	1	0.100	<0.000347	100	44.3 - 133
Ethylbenzene		1	0.102	mg/L	1	0.100	<0.000326	102	45.6 - 132
Xylene		1	0.302	mg/L	1	0.300	<0.000357	101	44.7 - 128

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0957	mg/L	1	0.100	<0.000371	96	42.2 - 136	4	20
Toluene		1	0.0953	mg/L	1	0.100	<0.000347	95	44.3 - 133	5	20
Ethylbenzene		1	0.0984	mg/L	1	0.100	<0.000326	98	45.6 - 132	4	20
Xylene		1	0.290	mg/L	1	0.300	<0.000357	96	44.7 - 128	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)	0.0961	0.0957	mg/L	1	0.1	96	96	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0958	0.0951	mg/L	1	0.1	96	95	70 - 130

Report Date: May 29, 2012
TNM Monument #2

Work Order: 12052202
Monument #2

Page Number: 11 of 14
Monument

Matrix Spike (MS-1) Spiked Sample: 298265

QC Batch: 91578
Prep Batch: 77692

Date Analyzed: 2012-05-15
QC Preparation: 2012-05-25

Analyzed By: MT
Prepared By: MT

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	5.82	mg/L	50	5.00	0.97	97	42.2 - 136
Toluene		1	5.05	mg/L	50	5.00	0.19	97	44.3 - 133
Ethylbenzene		1	5.06	mg/L	50	5.00	0.0386	100	45.6 - 132
Xylene		1	14.9	mg/L	50	15.0	0.151	98	44.7 - 128

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

Param	F	C	MSD		Dil.	Spike	Matrix	Rec.	Rec.	RPD	RPD	
			Result	Units		Amount	Result		Limit		Limit	
Benzene	Q _r	Q _r	1	7.68	mg/L	50	5.00	0.97	134	42.2 - 136	28	20
Toluene	Q _r	Q _r	1	6.62	mg/L	50	5.00	0.19	129	44.3 - 133	27	20
Ethylbenzene	Q _r	Q _r	1	6.45	mg/L	50	5.00	0.0386	128	45.6 - 132	24	20
Xylene	Q _r	Q _r	1	19.0	mg/L	50	15.0	0.151	126	44.7 - 128	24	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	4.78	5.00	mg/L	50	5	96	100	70 - 130
4-Bromofluorobenzene (4-BFB)	4.78	4.43	mg/L	50	5	96	89	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 91530

Date Analyzed: 2012-05-24

Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0992	99	80 - 120	2012-05-24
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2012-05-24
Ethylbenzene		1	mg/L	0.100	0.104	104	80 - 120	2012-05-24
Xylene		1	mg/L	0.300	0.302	100	80 - 120	2012-05-24

Standard (CCV-2)

QC Batch: 91530

Date Analyzed: 2012-05-24

Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0985	98	80 - 120	2012-05-24
Toluene		1	mg/L	0.100	0.0985	98	80 - 120	2012-05-24
Ethylbenzene		1	mg/L	0.100	0.100	100	80 - 120	2012-05-24
Xylene		1	mg/L	0.300	0.296	99	80 - 120	2012-05-24

Standard (CCV-1)

QC Batch: 91578

Date Analyzed: 2012-05-15

Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0999	100	80 - 120	2012-05-15
Toluene		1	mg/L	0.100	0.101	101	80 - 120	2012-05-15
Ethylbenzene		1	mg/L	0.100	0.104	104	80 - 120	2012-05-15
Xylene		1	mg/L	0.300	0.305	102	80 - 120	2012-05-15

Report Date: May 29, 2012
TNM Monument #2

Work Order: 12052202
Monument #2

Page Number: 13 of 14
Monument

Standard (CCV-2)

QC Batch: 91578

Date Analyzed: 2012-05-15

Analyzed By: MT

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0993	99	80 - 120	2012-05-15
Toluene		1	mg/L	0.100	0.100	100	80 - 120	2012-05-15
Ethylbenzene		1	mg/L	0.100	0.100	100	80 - 120	2012-05-15
Xylene		1	mg/L	0.300	0.296	99	80 - 120	2012-05-15

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	T104704219-12-8	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less then ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

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

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Company Name: NOVA
Address: ~~3524~~ 2057 COMMERCIAL DR.
Contact Person: RON ROUNSAVILLE
Invoice to: TAM MONUMENT 2
Project #: NM-2006
Project Location (including state): NM MONUMENT

Phone #: 432-520-7720
Fax #:
E-mail:
Project Name: MONUMENT 2
Sampler Signature: Ryan Fland

[illegible]

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR
<i>[Signature]</i>	Questar NW	5/2/12	8:10	<i>[Signature]</i>	TA	5/2/12	8:10			
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<i>[Signature]</i>	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR
				<i>[Signature]</i>						

ANALYSIS REQUEST
(Circle or Specify Method No.)[illegible]

LAB USE ONLY Intact <u>Y / N</u> Headspace <u>Y / N / NA</u>	REMARKS: <i>All tests Satisfactory</i>
	☐ Dry Weight Basis Required ☐ TRRP Report Required ☐ Check If Special Reporting Limits Are Needed
Log-in-Review <u>X</u>	

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

2000 10/10/00

Carrier #

Summary Report

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

Report Date: August 10, 2012

Work Order: 12080604



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
305950	MW-6	water	2012-08-03	15:00	2012-08-06
305951	MW-3	water	2012-08-03	15:15	2012-08-06
305952	MW-5	water	2012-08-03	15:30	2012-08-06
305953	MW-8	water	2012-08-03	15:45	2012-08-06
305954	MW-2	water	2012-08-03	16:00	2012-08-06

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
305950 - MW-6	<0.00100	<0.00100	<0.00100	<0.00100
305951 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100
305952 - MW-5	<0.00100	<0.00100	<0.00100 _{Qc}	<0.00100
305953 - MW-8	<0.00100	<0.00100	<0.00100 _{Qc}	<0.00100
305954 - MW-2	0.0116	<0.00100	0.0422 _{Qc}	0.0470



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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: August 10, 2012

Work Order: 12080604



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
305950	MW-6	water	2012-08-03	15:00	2012-08-06
305951	MW-3	water	2012-08-03	15:15	2012-08-06
305952	MW-5	water	2012-08-03	15:30	2012-08-06
305953	MW-8	water	2012-08-03	15:45	2012-08-06
305954	MW-2	water	2012-08-03	16:00	2012-08-06

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

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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

Report Contents

Case Narrative	3
Analytical Report	4
Sample 305950 (MW-6)	4
Sample 305951 (MW-3)	4
Sample 305952 (MW-5)	4
Sample 305953 (MW-8)	5
Sample 305954 (MW-2)	5
Method Blanks	7
QC Batch 93741 - Method Blank (1)	7
QC Batch 93779 - Method Blank (1)	7
Laboratory Control Spikes	8
QC Batch 93741 - LCS (1)	8
QC Batch 93779 - LCS (1)	8
QC Batch 93741 - MS (1)	9
QC Batch 93779 - MS (1)	9
Calibration Standards	11
QC Batch 93741 - CCV (1)	11
QC Batch 93741 - CCV (2)	11
QC Batch 93741 - CCV (3)	11
QC Batch 93779 - CCV (1)	11
QC Batch 93779 - CCV (2)	12
QC Batch 93779 - CCV (3)	12
Appendix	13
Report Definitions	13
Laboratory Certifications	13
Standard Flags	13
Attachments	13

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2012-08-06 and assigned to work order 12080604. Samples for work order 12080604 were received intact without headspace and at a temperature of 13.8 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	79465	2012-08-09 at 09:21	93741	2012-08-08 at 14:29
BTEX	S 8021B	79498	2012-08-09 at 16:05	93779	2012-08-09 at 16:05

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 12080604 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.

Report Date: August 10, 2012
TNM Monument #2

Work Order: 12080604
Monument #2

Page Number: 4 of 13
Monument

Analytical Report

Sample: 305950 - MW-6

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 93741
Prep Batch: 79465

Analytical Method: S 8021B
Date Analyzed: 2012-08-08
Sample Preparation: 2012-08-08

Prep Method: S 5030B
Analyzed By: JS
Prepared By: JS

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0943	mg/L	1	0.100	94	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0980	mg/L	1	0.100	98	70 - 130

Sample: 305951 - MW-3

Laboratory: Lubbock
Analysis: BTEX
QC Batch: 93741
Prep Batch: 79465

Analytical Method: S 8021B
Date Analyzed: 2012-08-08
Sample Preparation: 2012-08-08

Prep Method: S 5030B
Analyzed By: JS
Prepared By: JS

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0922	mg/L	1	0.100	92	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0936	mg/L	1	0.100	94	70 - 130

Report Date: August 10, 2012
TNM Monument #2

Work Order: 12080604
Monument #2

Page Number: 5 of 13
Monument

Sample: 305952 - MW-5

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 93779

Prep Batch: 79498

Analytical Method: S 8021B

Date Analyzed: 2012-08-09

Sample Preparation: 2012-08-09

Prep Method: S 5030B

Analyzed By: ZLM

Prepared By: ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0756	mg/L	1	0.100	76	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0714	mg/L	1	0.100	71	70 - 130

Sample: 305953 - MW-8

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 93779

Prep Batch: 79498

Analytical Method: S 8021B

Date Analyzed: 2012-08-09

Sample Preparation: 2012-08-09

Prep Method: S 5030B

Analyzed By: ZLM

Prepared By: ZLM

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	Qsr	Qsr	0.0675	mg/L	1	0.100	68	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0819	mg/L	1	0.100	82	70 - 130

Report Date: August 10, 2012
TNM Monument #2

Work Order: 12080604
Monument #2

Page Number: 6 of 13
Monument

Sample: 305954 - MW-2

Laboratory: Lubbock

Analysis: BTEX

QC Batch: 93779

Prep Batch: 79498

Analytical Method: S 8021B

Date Analyzed: 2012-08-09

Sample Preparation: 2012-08-09

Prep Method: S 5030B

Analyzed By: ZLM

Prepared By: ZLM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene		1	0.0116	mg/L	1	0.00100
Toluene	U	1	<0.00100	mg/L	1	0.00100
Ethylbenzene	Qc	1	0.0422	mg/L	1	0.00100
Xylene		1	0.0470	mg/L	1	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0710	mg/L	1	0.100	71	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0913	mg/L	1	0.100	91	70 - 130

Method Blanks

Method Blank (1) QC Batch: 93741

QC Batch: 93741 Date Analyzed: 2012-08-08 Analyzed By: JS
Prep Batch: 79465 QC Preparation: 2012-08-09 Prepared By: JS

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000371	mg/L	0.001
Toluene		1	<0.000347	mg/L	0.001
Ethylbenzene		1	<0.000326	mg/L	0.001
Xylene		1	<0.000357	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0949	mg/L	1	0.100	95	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0989	mg/L	1	0.100	99	70 - 130

Method Blank (1) QC Batch: 93779

QC Batch: 93779 Date Analyzed: 2012-08-09 Analyzed By: ZLM
Prep Batch: 79498 QC Preparation: 2012-08-09 Prepared By: ZLM

Parameter	Flag	Cert	MDL Result	Units	RL
Benzene		1	<0.000310	mg/L	0.001
Toluene		1	<0.000259	mg/L	0.001
Ethylbenzene		1	<0.000291	mg/L	0.001
Xylene		1	<0.000268	mg/L	0.001

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0759	mg/L	1	0.100	76	70 - 130
4-Bromofluorobenzene (4-BFB)			0.0754	mg/L	1	0.100	75	70 - 130

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 93741
Prep Batch: 79465

Date Analyzed: 2012-08-08
QC Preparation: 2012-08-09

Analyzed By: JS
Prepared By: JS

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0939	mg/L	1	0.100	<0.000371	94	78.6 - 120
Toluene		1	0.0977	mg/L	1	0.100	<0.000347	98	79.6 - 120
Ethylbenzene		1	0.101	mg/L	1	0.100	<0.000326	101	80 - 120
Xylene		1	0.295	mg/L	1	0.300	<0.000357	98	79.3 - 120

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0925	mg/L	1	0.100	<0.000371	92	78.6 - 120	2	20
Toluene		1	0.0964	mg/L	1	0.100	<0.000347	96	79.6 - 120	1	20
Ethylbenzene		1	0.100	mg/L	1	0.100	<0.000326	100	80 - 120	1	20
Xylene		1	0.291	mg/L	1	0.300	<0.000357	97	79.3 - 120	1	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0930	0.0911	mg/L	1	0.100	93	91	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0929	0.0928	mg/L	1	0.100	93	93	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 93779
Prep Batch: 79498

Date Analyzed: 2012-08-09
QC Preparation: 2012-08-09

Analyzed By: ZLM
Prepared By: ZLM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0817	mg/L	1	0.100	<0.000310	82	74.2 - 120
Toluene		1	0.0816	mg/L	1	0.100	<0.000259	82	75.8 - 120
Ethylbenzene		1	0.0802	mg/L	1	0.100	<0.000291	80	71.8 - 120
Xylene		1	0.246	mg/L	1	0.300	<0.000268	82	73.8 - 120

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

Report Date: August 10, 2012
TNM Monument #2

Work Order: 12080604
Monument #2

Page Number: 9 of 13
Monument

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0854	mg/L	1	0.100	<0.000310	85	74.2 - 120	4	20
Toluene		1	0.0843	mg/L	1	0.100	<0.000259	84	75.8 - 120	3	20
Ethylbenzene		1	0.0835	mg/L	1	0.100	<0.000291	84	71.8 - 120	4	20
Xylene		1	0.255	mg/L	1	0.300	<0.000268	85	73.8 - 120	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0775	0.0792	mg/L	1	0.100	78	79	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0805	0.0778	mg/L	1	0.100	80	78	70 - 130

Matrix Spike (MS-1) Spiked Sample: 305600

QC Batch: 93741
Prep Batch: 79465

Date Analyzed: 2012-08-08
QC Preparation: 2012-08-09

Analyzed By: JS
Prepared By: JS

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0919	mg/L	1	0.100	<0.000371	92	42.2 - 136
Toluene		1	0.0950	mg/L	1	0.100	<0.000347	95	44.3 - 133
Ethylbenzene		1	0.0971	mg/L	1	0.100	<0.000326	97	45.6 - 132
Xylene		1	0.283	mg/L	1	0.300	<0.000357	94	44.7 - 128

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		1	0.0919	mg/L	1	0.100	<0.000371	92	42.2 - 136	0	20
Toluene		1	0.0953	mg/L	1	0.100	<0.000347	95	44.3 - 133	0	20
Ethylbenzene		1	0.0976	mg/L	1	0.100	<0.000326	98	45.6 - 132	0	20
Xylene		1	0.285	mg/L	1	0.300	<0.000357	95	44.7 - 128	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)	0.0901	0.0882	mg/L	1	0.1	90	88	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0890	0.0879	mg/L	1	0.1	89	88	70 - 130

Report Date: August 10, 2012
TNM Monument #2

Work Order: 12080604
Monument #2

Page Number: 10 of 13
Monument

Matrix Spike (MS-1) Spiked Sample: 306057

QC Batch: 93779
Prep Batch: 79498

Date Analyzed: 2012-08-09
QC Preparation: 2012-08-09

Analyzed By: ZLM
Prepared By: ZLM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		1	0.0812	mg/L	1	0.100	<0.000310	81	47 - 131
Toluene		1	0.0803	mg/L	1	0.100	<0.000259	80	52.2 - 128
Ethylbenzene		1	0.0791	mg/L	1	0.100	<0.000291	79	26.5 - 154
Xylene		1	0.243	mg/L	1	0.300	<0.000268	81	50.1 - 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	0.0829	mg/L	1	0.100	<0.000310	83	47 - 131	2	20
Toluene		1	0.0822	mg/L	1	0.100	<0.000259	82	52.2 - 128	2	20
Ethylbenzene		1	0.0817	mg/L	1	0.100	<0.000291	82	26.5 - 154	3	20
Xylene		1	0.251	mg/L	1	0.300	<0.000268	84	50.1 - 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)	0.0718	0.0712	mg/L	1	0.1	72	71	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0745	0.0766	mg/L	1	0.1	74	77	70 - 130

Calibration Standards

Standard (CCV-1)

QC Batch: 93741

Date Analyzed: 2012-08-08

Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0937	94	80 - 120	2012-08-08
Toluene		1	mg/L	0.100	0.0979	98	80 - 120	2012-08-08
Ethylbenzene		1	mg/L	0.100	0.102	102	80 - 120	2012-08-08
Xylene		1	mg/L	0.300	0.295	98	80 - 120	2012-08-08

Standard (CCV-2)

QC Batch: 93741

Date Analyzed: 2012-08-08

Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0889	89	80 - 120	2012-08-08
Toluene		1	mg/L	0.100	0.0915	92	80 - 120	2012-08-08
Ethylbenzene		1	mg/L	0.100	0.0929	93	80 - 120	2012-08-08
Xylene		1	mg/L	0.300	0.274	91	80 - 120	2012-08-08

Standard (CCV-3)

QC Batch: 93741

Date Analyzed: 2012-08-08

Analyzed By: JS

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0874	87	80 - 120	2012-08-08
Toluene		1	mg/L	0.100	0.0905	90	80 - 120	2012-08-08
Ethylbenzene		1	mg/L	0.100	0.0900	90	80 - 120	2012-08-08
Xylene		1	mg/L	0.300	0.267	89	80 - 120	2012-08-08

Report Date: August 10, 2012
TNM Monument #2

Work Order: 12080604
Monument #2

Page Number: 12 of 13
Monument

Standard (CCV-1)

QC Batch: 93779

Date Analyzed: 2012-08-09

Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0838	84	80 - 120	2012-08-09
Toluene		1	mg/L	0.100	0.0817	82	80 - 120	2012-08-09
Ethylbenzene	Qc	1	mg/L	0.100	0.0796	80	80 - 120	2012-08-09
Xylene		1	mg/L	0.300	0.244	81	80 - 120	2012-08-09

Standard (CCV-2)

QC Batch: 93779

Date Analyzed: 2012-08-09

Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0848	85	80 - 120	2012-08-09
Toluene		1	mg/L	0.100	0.0838	84	80 - 120	2012-08-09
Ethylbenzene		1	mg/L	0.100	0.0831	83	80 - 120	2012-08-09
Xylene		1	mg/L	0.300	0.256	85	80 - 120	2012-08-09

Standard (CCV-3)

QC Batch: 93779

Date Analyzed: 2012-08-09

Analyzed By: ZLM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		1	mg/L	0.100	0.0820	82	80 - 120	2012-08-09
Toluene		1	mg/L	0.100	0.0817	82	80 - 120	2012-08-09
Ethylbenzene	Qc	1	mg/L	0.100	0.0798	80	80 - 120	2012-08-09
Xylene		1	mg/L	0.300	0.243	81	80 - 120	2012-08-09

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	T104704219-12-8	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

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

TraceAnalysis, Inc.

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Lubbock, Texas 79424
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2501 Mayes Rd., Ste 100
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email: lab@traceanalysis.com

Company Name: Nova		Phone #: (432) 520-7720											
Address: 2057 Commerce D, Midland, 79703		Fax #:											
Contact Person: Beth Rounsville		E-mail:											
Invoice to: (If different from above) NM - 2006		Project Name: Monument #2											
Project #: SRS # TNM-Monument 2		Sampler Signature: <i>[Signature]</i>											
Project Location (including state): Monument, NM		Project Signature: <i>[Signature]</i>											
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
305950	MW-6	3	60A	X				X			X	8/3/12	300
951	MW-3	1	↓	↓				↓			↓	315	315
952	MW-5	1	↓	↓				↓			↓	330	330
953	MW-8	1	↓	↓				↓			↓	345	345
954	MW-2	1	↓	↓				↓			↓	400	400
MTBE 8021 / 602 / 8260 / 624													
BTEX 8022 / 602 / 8260 / 624													
TPH 418.1 / TX1005 / TX1005 Ex(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													
PCBs 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													

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR
<i>[Signature]</i>	Nova	8/6/12	8:00	<i>[Signature]</i>	TA	8/6/12	8:00	INST 1	OBS 35.5	COR 13.8
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR
<i>[Signature]</i>	TA	8/6/12	8:45	<i>[Signature]</i>	TA	8/6/12	9:20	INST 1	OBS 35.5	COR 13.8
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR
<i>[Signature]</i>	TA	8/6/12	8:45	<i>[Signature]</i>	TA	8/6/12	9:20	INST 1	OBS 35.5	COR 13.8

REMARKS: *Handbook-20*

LAB USE ONLY

Dry Weight Basis Required ☐

TRRP Report Required ☐

Check if Special Reporting Limits Are Needed ☐

Log-in-Review ☒

Carrier # *Carryman NS: 20975173*

Summary Report

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

Report Date: December 26, 2012

Work Order: 12121301



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
316501	MW-1	water	2012-12-12	13:19	2012-12-13
316502	MW-7	water	2012-12-12	13:04	2012-12-13
316503	MW-4	water	2012-12-12	13:11	2012-12-13
316504	MW-3	water	2012-12-12	12:08	2012-12-13
316505	MW-5	water	2012-12-12	12:16	2012-12-13
316506	MW-6	water	2012-12-12	12:29	2012-12-13
316507	MW-8	water	2012-12-12	12:40	2012-12-13
316508	MW-2	water	2012-12-12	12:49	2012-12-13

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
316501 - MW-1	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r , Q _s	<0.00100 Q _r
316502 - MW-7	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r , Q _s	<0.00100 Q _r
316503 - MW-4	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r , Q _s	<0.00100 Q _r
316504 - MW-3	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r , Q _s	<0.00100 Q _r
316505 - MW-5	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r , Q _s	<0.00100 Q _r
316506 - MW-6	<0.00100 Q _r	<0.00100 Q _r	<0.00100 Q _r , Q _s	<0.00100 Q _r
316507 - MW-8	<0.00500 ¹	<0.00500	0.0632	0.0741
316508 - MW-2	<0.00500 ²	<0.00500	0.0332	<0.00500

Sample: 316507 - MW-8

Param	Flag	Result	Units	RL
Naphthalene		0.0124	mg/L	0.0002
2-Methylnaphthalene		0.0213	mg/L	0.0002

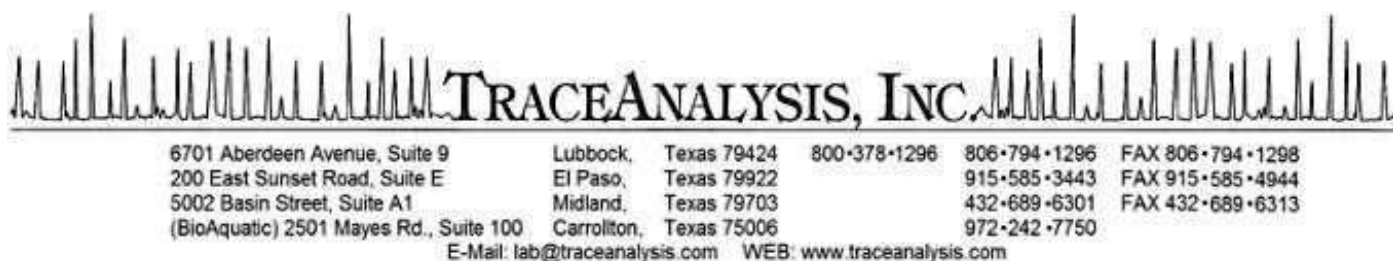
*continued ...*¹Dilution due to surfactants.²Dilution due to surfactants.

sample 316507 continued ...

Param	Flag	Result	Units	RL
1-Methylnaphthalene		0.0283	mg/L	0.0002
Acenaphthylene		<0.00100	mg/L	0.0002
Acenaphthene		<0.00100	mg/L	0.0002
Dibenzofuran		0.00471	mg/L	0.0002
Fluorene		<0.00100	mg/L	0.0002
Anthracene		<0.00100	mg/L	0.0002
Phenanthrene		0.00558	mg/L	0.0002
Fluoranthene		<0.00100	mg/L	0.0002
Pyrene		<0.00100	mg/L	0.0002
Benzo(a)anthracene		<0.00100	mg/L	0.0002
Chrysene	Qs	<0.00100	mg/L	0.0002
Benzo(b)fluoranthene		<0.00100	mg/L	0.0002
Benzo(k)fluoranthene		<0.00100	mg/L	0.0002
Benzo(a)pyrene	Qs	<0.00100	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.00100	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.00100	mg/L	0.0002
Benzo(g,h,i)perylene		<0.00100	mg/L	0.0002

Sample: 316508 - MW-2

Param	Flag	Result	Units	RL
Naphthalene		<0.00100	mg/L	0.0002
2-Methylnaphthalene		<0.00100	mg/L	0.0002
1-Methylnaphthalene		0.0206	mg/L	0.0002
Acenaphthylene		<0.00100	mg/L	0.0002
Acenaphthene		<0.00100	mg/L	0.0002
Dibenzofuran		0.00556	mg/L	0.0002
Fluorene		<0.00100	mg/L	0.0002
Anthracene		<0.00100	mg/L	0.0002
Phenanthrene		0.00626	mg/L	0.0002
Fluoranthene		<0.00100	mg/L	0.0002
Pyrene		<0.00100	mg/L	0.0002
Benzo(a)anthracene		<0.00100	mg/L	0.0002
Chrysene	Qs	<0.00100	mg/L	0.0002
Benzo(b)fluoranthene		<0.00100	mg/L	0.0002
Benzo(k)fluoranthene		<0.00100	mg/L	0.0002
Benzo(a)pyrene	Qs	<0.00100	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.00100	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.00100	mg/L	0.0002
Benzo(g,h,i)perylene		<0.00100	mg/L	0.0002



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: December 26, 2012

Work Order: 12121301



Project Location: Monument
Project Name: Monument #2
Project Number: TNM Monument #2

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
316501	MW-1	water	2012-12-12	13:19	2012-12-13
316502	MW-7	water	2012-12-12	13:04	2012-12-13
316503	MW-4	water	2012-12-12	13:11	2012-12-13
316504	MW-3	water	2012-12-12	12:08	2012-12-13
316505	MW-5	water	2012-12-12	12:16	2012-12-13
316506	MW-6	water	2012-12-12	12:29	2012-12-13
316507	MW-8	water	2012-12-12	12:40	2012-12-13
316508	MW-2	water	2012-12-12	12:49	2012-12-13

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

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink that reads "Michael Abel". The signature is written in a cursive, flowing style.

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

Report Contents

Case Narrative	4
Analytical Report	5
Sample 316501 (MW-1)	5
Sample 316502 (MW-7)	5
Sample 316503 (MW-4)	5
Sample 316504 (MW-3)	6
Sample 316505 (MW-5)	6
Sample 316506 (MW-6)	7
Sample 316507 (MW-8)	7
Sample 316508 (MW-2)	9
Method Blanks	11
QC Batch 97505 - Method Blank (1)	11
QC Batch 97626 - Method Blank (1)	11
QC Batch 97677 - Method Blank (1)	11
Laboratory Control Spikes	13
QC Batch 97505 - LCS (1)	13
QC Batch 97626 - LCS (1)	13
QC Batch 97677 - LCS (1)	14
QC Batch 97505 - MS (1)	15
QC Batch 97626 - MS (1)	16
Calibration Standards	17
QC Batch 97505 - CCV (1)	17
QC Batch 97505 - CCV (2)	17
QC Batch 97505 - CCV (3)	17
QC Batch 97626 - CCV (1)	17
QC Batch 97626 - CCV (2)	18
QC Batch 97626 - CCV (3)	18
QC Batch 97677 - CCV (1)	18
QC Batch 97677 - CCV (2)	19
Appendix	21
Report Definitions	21
Laboratory Certifications	21
Standard Flags	21
Result Comments	21
Attachments	22

Case Narrative

Samples for project Monument #2 were received by TraceAnalysis, Inc. on 2012-12-13 and assigned to work order 12121301. Samples for work order 12121301 were received intact without headspace and at a temperature of 4.8 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	82593	2012-12-15 at 08:00	97505	2012-12-15 at 08:00
BTEX	S 8021B	82716	2012-12-19 at 16:47	97626	2012-12-19 at 16:47
PAH	S 8270D	82752	2012-12-19 at 15:00	97677	2012-12-26 at 10:06

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 12121301 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: 316501 - MW-1

Laboratory: Midland
Analysis: BTEX
QC Batch: 97505
Prep Batch: 82593

Analytical Method: S 8021B
Date Analyzed: 2012-12-15
Sample Preparation: 2012-12-15

Prep Method: S 5030B
Analyzed By: YG
Prepared By: YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0963	mg/L	1	0.100	96	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.0934	mg/L	1	0.100	93	45.5 - 131.5

Sample: 316502 - MW-7

Laboratory: Midland
Analysis: BTEX
QC Batch: 97505
Prep Batch: 82593

Analytical Method: S 8021B
Date Analyzed: 2012-12-15
Sample Preparation: 2012-12-15

Prep Method: S 5030B
Analyzed By: YG
Prepared By: YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0963	mg/L	1	0.100	96	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.0926	mg/L	1	0.100	93	45.5 - 131.5

Report Date: December 26, 2012
TNM Monument #2

Work Order: 12121301
Monument #2

Page Number: 6 of 22
Monument

Sample: 316503 - MW-4

Laboratory: Midland

Analysis: BTEX

QC Batch: 97505

Prep Batch: 82593

Analytical Method: S 8021B

Date Analyzed: 2012-12-15

Sample Preparation: 2012-12-15

Prep Method: S 5030B

Analyzed By: YG

Prepared By: YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0975	mg/L	1	0.100	98	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.0933	mg/L	1	0.100	93	45.5 - 131.5

Sample: 316504 - MW-3

Laboratory: Midland

Analysis: BTEX

QC Batch: 97505

Prep Batch: 82593

Analytical Method: S 8021B

Date Analyzed: 2012-12-15

Sample Preparation: 2012-12-15

Prep Method: S 5030B

Analyzed By: YG

Prepared By: YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0947	mg/L	1	0.100	95	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.0951	mg/L	1	0.100	95	45.5 - 131.5

Report Date: December 26, 2012
TNM Monument #2

Work Order: 12121301
Monument #2

Page Number: 7 of 22
Monument

Sample: 316505 - MW-5

Laboratory: Midland

Analysis: BTEX

QC Batch: 97505

Prep Batch: 82593

Analytical Method: S 8021B

Date Analyzed: 2012-12-15

Sample Preparation: 2012-12-15

Prep Method: S 5030B

Analyzed By: YG

Prepared By: YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0962	mg/L	1	0.100	96	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.0933	mg/L	1	0.100	93	45.5 - 131.5

Sample: 316506 - MW-6

Laboratory: Midland

Analysis: BTEX

QC Batch: 97505

Prep Batch: 82593

Analytical Method: S 8021B

Date Analyzed: 2012-12-15

Sample Preparation: 2012-12-15

Prep Method: S 5030B

Analyzed By: YG

Prepared By: YG

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

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.0968	mg/L	1	0.100	97	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.0936	mg/L	1	0.100	94	45.5 - 131.5

Report Date: December 26, 2012
TNM Monument #2

Work Order: 12121301
Monument #2

Page Number: 8 of 22
Monument

Sample: 316507 - MW-8

Laboratory: Midland

Analysis: BTEX

QC Batch: 97626

Prep Batch: 82716

Analytical Method: S 8021B

Date Analyzed: 2012-12-19

Sample Preparation: 2012-12-19

Prep Method: S 5030B

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL	Units	Dilution	RL	
			Result				
Benzene	1	U	2	<0.00500	mg/L	5	0.00100
Toluene		U	2	<0.00500	mg/L	5	0.00100
Ethylbenzene			2	0.0632	mg/L	5	0.00100
Xylene			2	0.0741	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.500	mg/L	5	0.500	100	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.489	mg/L	5	0.500	98	45.5 - 131.5

Sample: 316507 - MW-8

Laboratory: Lubbock

Analysis: PAH

QC Batch: 97677

Prep Batch: 82752

Analytical Method: S 8270D

Date Analyzed: 2012-12-26

Sample Preparation: 2012-12-19

Prep Method: S 3510C

Analyzed By: MN

Prepared By: MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene		1	0.0124	mg/L	5	0.000200
2-Methylnaphthalene		1	0.0213	mg/L	5	0.000200
1-Methylnaphthalene			0.0283	mg/L	5	0.000200
Acenaphthylene	U	1	<0.00100	mg/L	5	0.000200
Acenaphthene	U	1	<0.00100	mg/L	5	0.000200
Dibenzofuran		1	0.00471	mg/L	5	0.000200
Fluorene	U	1	<0.00100	mg/L	5	0.000200
Anthracene	U	1	<0.00100	mg/L	5	0.000200
Phenanthrene		1	0.00558	mg/L	5	0.000200
Fluoranthene	U	1	<0.00100	mg/L	5	0.000200
Pyrene	U	1	<0.00100	mg/L	5	0.000200
Benzo(a)anthracene	U	1	<0.00100	mg/L	5	0.000200
Chrysene	Qs,U	1	<0.00100	mg/L	5	0.000200
Benzo(b)fluoranthene	U	1	<0.00100	mg/L	5	0.000200
Benzo(k)fluoranthene	U	1	<0.00100	mg/L	5	0.000200
Benzo(a)pyrene	Qs,U	1	<0.00100	mg/L	5	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.00100	mg/L	5	0.000200
Dibenzo(a,h)anthracene	U	1	<0.00100	mg/L	5	0.000200

continued ...

sample 316507 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzo(g,h,i)perylene	U	1	<0.00100	mg/L	5	0.000200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0669	mg/L	5	0.0800	84	40 - 110
2-Fluorobiphenyl	Qsr	Qsr	0.0889	mg/L	5	0.0800	111	50 - 110
Terphenyl-d14			0.105	mg/L	5	0.0800	131	50 - 135

Sample: 316508 - MW-2

Laboratory: Midland
Analysis: BTEX
QC Batch: 97626
Prep Batch: 82716

Analytical Method: S 8021B
Date Analyzed: 2012-12-19
Sample Preparation: 2012-12-19

Prep Method: S 5030B
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene ²	U	2	<0.00500	mg/L	5	0.00100
Toluene	U	2	<0.00500	mg/L	5	0.00100
Ethylbenzene		2	0.0332	mg/L	5	0.00100
Xylene	U	2	<0.00500	mg/L	5	0.00100

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.480	mg/L	5	0.500	96	73.3 - 111.5
4-Bromofluorobenzene (4-BFB)			0.478	mg/L	5	0.500	96	45.5 - 131.5

Sample: 316508 - MW-2

Laboratory: Lubbock
Analysis: PAH
QC Batch: 97677
Prep Batch: 82752

Analytical Method: S 8270D
Date Analyzed: 2012-12-26
Sample Preparation: 2012-12-19

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Naphthalene	U	1	<0.00100	mg/L	5	0.000200
2-Methylnaphthalene	U	1	<0.00100	mg/L	5	0.000200
1-Methylnaphthalene			0.0206	mg/L	5	0.000200

continued ...

sample 316508 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Acenaphthylene	U	1	<0.00100	mg/L	5	0.000200
Acenaphthene	U	1	<0.00100	mg/L	5	0.000200
Dibenzofuran		1	0.00556	mg/L	5	0.000200
Fluorene	U	1	<0.00100	mg/L	5	0.000200
Anthracene	U	1	<0.00100	mg/L	5	0.000200
Phenanthrene		1	0.00626	mg/L	5	0.000200
Fluoranthene	U	1	<0.00100	mg/L	5	0.000200
Pyrene	U	1	<0.00100	mg/L	5	0.000200
Benzo(a)anthracene	U	1	<0.00100	mg/L	5	0.000200
Chrysene	Qs,U	1	<0.00100	mg/L	5	0.000200
Benzo(b)fluoranthene	U	1	<0.00100	mg/L	5	0.000200
Benzo(k)fluoranthene	U	1	<0.00100	mg/L	5	0.000200
Benzo(a)pyrene	Qs,U	1	<0.00100	mg/L	5	0.000200
Indeno(1,2,3-cd)pyrene	U	1	<0.00100	mg/L	5	0.000200
Dibenzo(a,h)anthracene	U	1	<0.00100	mg/L	5	0.000200
Benzo(g,h,i)perylene	U	1	<0.00100	mg/L	5	0.000200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0482	mg/L	5	0.0800	60	40 - 110
2-Fluorobiphenyl			0.0538	mg/L	5	0.0800	67	50 - 110
Terphenyl-d14			0.0666	mg/L	5	0.0800	83	50 - 135

Method Blanks

Method Blank (1) QC Batch: 97505

QC Batch: 97505 Date Analyzed: 2012-12-15 Analyzed By: YG
Prep Batch: 82593 QC Preparation: 2012-12-15 Prepared By: YG

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)			0.0972	mg/L	1	0.100	97	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0912	mg/L	1	0.100	91	68.1 - 109

Method Blank (1) QC Batch: 97626

QC Batch: 97626 Date Analyzed: 2012-12-19 Analyzed By: YG
Prep Batch: 82716 QC Preparation: 2012-12-19 Prepared By: YG

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)			0.0983	mg/L	1	0.100	98	75.7 - 109
4-Bromofluorobenzene (4-BFB)			0.0935	mg/L	1	0.100	94	68.1 - 109

Method Blank (1) QC Batch: 97677

QC Batch: 97677 Date Analyzed: 2012-12-26 Analyzed By: MN
Prep Batch: 82752 QC Preparation: 2012-12-19 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
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	<0.0000691	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	<0.0000770	mg/L	0.0002
Dibenzo(a,h)anthracene		1	<0.0000851	mg/L	0.0002
Benzo(g,h,i)perylene		1	<0.0000798	mg/L	0.0002

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5			0.0744	mg/L	1	0.0800	93	40 - 110
2-Fluorobiphenyl			0.0744	mg/L	1	0.0800	93	50 - 110
Terphenyl-d14			0.0765	mg/L	1	0.0800	96	50 - 135

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 97505
Prep Batch: 82593

Date Analyzed: 2012-12-15
QC Preparation: 2012-12-15

Analyzed By: YG
Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0977	mg/L	1	0.100	<0.000200	98	80.5 - 108
Toluene		2	0.0969	mg/L	1	0.100	<0.000300	97	81.6 - 104
Ethylbenzene		2	0.0966	mg/L	1	0.100	<0.000400	97	70.6 - 108
Xylene		2	0.283	mg/L	1	0.300	<0.000400	94	79.2 - 104

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	0.0972	mg/L	1	0.100	<0.000200	97	80.5 - 108	0	20
Toluene		2	0.0963	mg/L	1	0.100	<0.000300	96	81.6 - 104	1	20
Ethylbenzene		2	0.0975	mg/L	1	0.100	<0.000400	98	70.6 - 108	1	20
Xylene		2	0.286	mg/L	1	0.300	<0.000400	95	79.2 - 104	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)	0.0993	0.0986	mg/L	1	0.100	99	99	75 - 110
4-Bromofluorobenzene (4-BFB)	0.0952	0.0961	mg/L	1	0.100	95	96	66.2 - 115

Laboratory Control Spike (LCS-1)

QC Batch: 97626
Prep Batch: 82716

Date Analyzed: 2012-12-19
QC Preparation: 2012-12-19

Analyzed By: YG
Prepared By: YG

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0995	mg/L	1	0.100	<0.000200	100	80.5 - 108
Toluene		2	0.0978	mg/L	1	0.100	<0.000300	98	81.6 - 104
Ethylbenzene		2	0.0983	mg/L	1	0.100	<0.000400	98	70.6 - 108
Xylene		2	0.284	mg/L	1	0.300	<0.000400	95	79.2 - 104

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene		2	0.0990	mg/L	1	0.100	<0.000200	99	80.5 - 108	0	20
Toluene		2	0.0978	mg/L	1	0.100	<0.000300	98	81.6 - 104	0	20
Ethylbenzene		2	0.0958	mg/L	1	0.100	<0.000400	96	70.6 - 108	3	20
Xylene		2	0.282	mg/L	1	0.300	<0.000400	94	79.2 - 104	1	20

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0965	0.0980	mg/L	1	0.100	96	98	75 - 110
4-Bromofluorobenzene (4-BFB)	0.0938	0.0945	mg/L	1	0.100	94	94	66.2 - 115

Laboratory Control Spike (LCS-1)

QC Batch: 97677
Prep Batch: 82752

Date Analyzed: 2012-12-26
QC Preparation: 2012-12-19

Analyzed By: MN
Prepared By: MN

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	
Naphthalene		1	0.0663	mg/L	1	0.0800	<0.000121	83	40 - 100	
2-Methylnaphthalene		1	0.0636	mg/L	1	0.0800	<0.0000913	80	45 - 105	
1-Methylnaphthalene			0.0618	mg/L	1	0.0800	<0.000109	77	70 - 130	
Acenaphthylene		1	0.0711	mg/L	1	0.0800	<0.000100	89	50 - 105	
Acenaphthene		1	0.0680	mg/L	1	0.0800	<0.000122	85	45 - 110	
Dibenzofuran		1	0.0608	mg/L	1	0.0800	<0.000108	76	55 - 105	
Fluorene		1	0.0702	mg/L	1	0.0800	<0.000100	88	50 - 110	
Anthracene		1	0.0637	mg/L	1	0.0800	<0.0000791	80	55 - 110	
Phenanthrene		1	0.0699	mg/L	1	0.0800	<0.0000824	87	50 - 115	
Fluoranthene		1	0.0633	mg/L	1	0.0800	<0.000124	79	55 - 115	
Pyrene		1	0.0527	mg/L	1	0.0800	<0.0000691	66	50 - 130	
Benzo(a)anthracene		1	0.0533	mg/L	1	0.0800	<0.000101	67	55 - 110	
Chrysene	Qs	Qs	1	0.0889	mg/L	1	0.0800	<0.0000769	111	55 - 110
Benzo(b)fluoranthene		1	0.0389	mg/L	1	0.0800	<0.0000813	49	45 - 120	
Benzo(k)fluoranthene		1	0.0443	mg/L	1	0.0800	<0.0000790	55	45 - 125	
Benzo(a)pyrene	Qs	Qs	1	0.0423	mg/L	1	0.0800	<0.0000701	53	55 - 110
Indeno(1,2,3-cd)pyrene		1	0.0470	mg/L	1	0.0800	<0.0000770	59	45 - 125	
Dibenzo(a,h)anthracene		1	0.0709	mg/L	1	0.0800	<0.0000851	89	40 - 125	
Benzo(g,h,i)perylene		1	0.0454	mg/L	1	0.0800	<0.0000798	57	40 - 125	

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene		1	0.0670	mg/L	1	0.0800	<0.000121	84	40 - 100	1	20

continued ...

control spikes continued ...

Param	F	C	LCSD			Spike	Matrix		Rec.		RPD	
			Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit	
2-Methylnaphthalene		1	0.0654	mg/L	1	0.0800	<0.0000913	82	45 - 105	3	20	
1-Methylnaphthalene			0.0640	mg/L	1	0.0800	<0.000109	80	70 - 130	4	20	
Acenaphthylene		1	0.0707	mg/L	1	0.0800	<0.000100	88	50 - 105	1	20	
Acenaphthene		1	0.0672	mg/L	1	0.0800	<0.000122	84	45 - 110	1	20	
Dibenzofuran		1	0.0601	mg/L	1	0.0800	<0.000108	75	55 - 105	1	20	
Fluorene		1	0.0696	mg/L	1	0.0800	<0.000100	87	50 - 110	1	20	
Anthracene		1	0.0624	mg/L	1	0.0800	<0.0000791	78	55 - 110	2	20	
Phenanthrene		1	0.0694	mg/L	1	0.0800	<0.0000824	87	50 - 115	1	20	
Fluoranthene		1	0.0622	mg/L	1	0.0800	<0.000124	78	55 - 115	2	20	
Pyrene		1	0.0609	mg/L	1	0.0800	<0.0000691	76	50 - 130	14	20	
Benzo(a)anthracene		1	0.0614	mg/L	1	0.0800	<0.000101	77	55 - 110	14	20	
Chrysene	Qs	Qs	1	0.102	mg/L	1	0.0800	<0.0000769	128	55 - 110	14	20
Benzo(b)fluoranthene		1	0.0378	mg/L	1	0.0800	<0.0000813	47	45 - 120	3	20	
Benzo(k)fluoranthene		1	0.0439	mg/L	1	0.0800	<0.0000790	55	45 - 125	1	20	
Benzo(a)pyrene	Qs	Qs	1	0.0419	mg/L	1	0.0800	<0.0000701	52	55 - 110	1	20
Indeno(1,2,3-cd)pyrene		1	0.0471	mg/L	1	0.0800	<0.0000770	59	45 - 125	0	20	
Dibenzo(a,h)anthracene		1	0.0685	mg/L	1	0.0800	<0.0000851	86	40 - 125	3	20	
Benzo(g,h,i)perylene		1	0.0444	mg/L	1	0.0800	<0.0000798	56	40 - 125	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
Nitrobenzene-d5	0.0510	0.0524	mg/L	1	0.0800	64	66	40 - 110
2-Fluorobiphenyl	0.0570	0.0569	mg/L	1	0.0800	71	71	50 - 110
Terphenyl-d14	0.0460	0.0534	mg/L	1	0.0800	58	67	50 - 135

Matrix Spike (MS-1) Spiked Sample: 316280

QC Batch: 97505
Prep Batch: 82593

Date Analyzed: 2012-12-15
QC Preparation: 2012-12-15

Analyzed By: YG
Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.0900	mg/L	1	0.100	<0.000200	90	25.7 - 139
Toluene		2	0.0893	mg/L	1	0.100	<0.000300	89	32.7 - 134
Ethylbenzene		2	0.0888	mg/L	1	0.100	<0.000400	89	45.9 - 120
Xylene		2	0.259	mg/L	1	0.300	<0.000400	86	34.9 - 128

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

continued ...

matrix spikes continued ...

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	Q _r	Q _r	2	0.123 mg/L	1	0.100	<0.000200	123	25.7 - 139	31	20
Toluene	Q _r	Q _r	2	0.125 mg/L	1	0.100	<0.000300	125	32.7 - 134	33	20
Ethylbenzene	Q _r , Q _s	Q _r , Q _s	2	0.133 mg/L	1	0.100	<0.000400	133	45.9 - 120	40	20
Xylene	Q _r	Q _r	2	0.388 mg/L	1	0.300	<0.000400	129	34.9 - 128	40	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	68.7 - 114
4-Bromofluorobenzene (4-BFB)	0.112	0.112	mg/L	1	0.1	112	112	56.6 - 123

Matrix Spike (MS-1) Spiked Sample: 316516

QC Batch: 97626
Prep Batch: 82716

Date Analyzed: 2012-12-19
QC Preparation: 2012-12-19

Analyzed By: YG
Prepared By: YG

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene		2	0.101	mg/L	1	0.100	0.0042	97	25.7 - 139
Toluene		2	0.0959	mg/L	1	0.100	<0.000300	96	32.7 - 134
Ethylbenzene		2	0.0950	mg/L	1	0.100	<0.000400	95	45.9 - 120
Xylene		2	0.278	mg/L	1	0.300	<0.000400	93	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		2	0.100	mg/L	1	0.100	0.0042	96	25.7 - 139	1	20
Toluene		2	0.0945	mg/L	1	0.100	<0.000300	94	32.7 - 134	2	20
Ethylbenzene		2	0.0946	mg/L	1	0.100	<0.000400	95	45.9 - 120	0	20
Xylene		2	0.276	mg/L	1	0.300	<0.000400	92	34.9 - 128	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	0.0990	mg/L	1	0.1	101	99	68.7 - 114
4-Bromofluorobenzene (4-BFB)	0.0957	0.0932	mg/L	1	0.1	96	93	56.6 - 123

Calibration Standards

Standard (CCV-1)

QC Batch: 97505

Date Analyzed: 2012-12-15

Analyzed By: YG

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	2012-12-15
Toluene		2	mg/L	0.100	0.0965	96	80 - 120	2012-12-15
Ethylbenzene		2	mg/L	0.100	0.0964	96	80 - 120	2012-12-15
Xylene		2	mg/L	0.300	0.282	94	80 - 120	2012-12-15

Standard (CCV-2)

QC Batch: 97505

Date Analyzed: 2012-12-15

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0973	97	80 - 120	2012-12-15
Toluene		2	mg/L	0.100	0.0964	96	80 - 120	2012-12-15
Ethylbenzene		2	mg/L	0.100	0.0957	96	80 - 120	2012-12-15
Xylene		2	mg/L	0.300	0.280	93	80 - 120	2012-12-15

Standard (CCV-3)

QC Batch: 97505

Date Analyzed: 2012-12-15

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0931	93	80 - 120	2012-12-15
Toluene		2	mg/L	0.100	0.0942	94	80 - 120	2012-12-15
Ethylbenzene		2	mg/L	0.100	0.0914	91	80 - 120	2012-12-15
Xylene		2	mg/L	0.300	0.266	89	80 - 120	2012-12-15

Report Date: December 26, 2012
TNM Monument #2

Work Order: 12121301
Monument #2

Page Number: 18 of 22
Monument

Standard (CCV-1)

QC Batch: 97626

Date Analyzed: 2012-12-19

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0988	99	80 - 120	2012-12-19
Toluene		2	mg/L	0.100	0.0969	97	80 - 120	2012-12-19
Ethylbenzene		2	mg/L	0.100	0.0961	96	80 - 120	2012-12-19
Xylene		2	mg/L	0.300	0.282	94	80 - 120	2012-12-19

Standard (CCV-2)

QC Batch: 97626

Date Analyzed: 2012-12-19

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0988	99	80 - 120	2012-12-19
Toluene		2	mg/L	0.100	0.0957	96	80 - 120	2012-12-19
Ethylbenzene		2	mg/L	0.100	0.0958	96	80 - 120	2012-12-19
Xylene		2	mg/L	0.300	0.278	93	80 - 120	2012-12-19

Standard (CCV-3)

QC Batch: 97626

Date Analyzed: 2012-12-19

Analyzed By: YG

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		2	mg/L	0.100	0.0984	98	80 - 120	2012-12-19
Toluene		2	mg/L	0.100	0.0971	97	80 - 120	2012-12-19
Ethylbenzene		2	mg/L	0.100	0.0971	97	80 - 120	2012-12-19
Xylene		2	mg/L	0.300	0.284	95	80 - 120	2012-12-19

Standard (CCV-1)

QC Batch: 97677

Date Analyzed: 2012-12-26

Analyzed By: MN

Report Date: December 26, 2012
TNM Monument #2

Work Order: 12121301
Monument #2

Page Number: 19 of 22
Monument

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		1	mg/L	60.0	59.9	100	80 - 120	2012-12-26
2-Methylnaphthalene		1	mg/L	60.0	57.8	96	80 - 120	2012-12-26
1-Methylnaphthalene			mg/L	60.0	58.8	98	80 - 120	2012-12-26
Acenaphthylene		1	mg/L	60.0	53.4	89	80 - 120	2012-12-26
Acenaphthene		1	mg/L	60.0	54.7	91	80 - 120	2012-12-26
Dibenzofuran		1	mg/L	60.0	60.9	102	80 - 120	2012-12-26
Fluorene		1	mg/L	60.0	56.6	94	80 - 120	2012-12-26
Anthracene		1	mg/L	60.0	54.7	91	80 - 120	2012-12-26
Phenanthrene		1	mg/L	60.0	58.6	98	80 - 120	2012-12-26
Fluoranthene		1	mg/L	60.0	57.2	95	80 - 120	2012-12-26
Pyrene		1	mg/L	60.0	60.6	101	80 - 120	2012-12-26
Benzo(a)anthracene		1	mg/L	60.0	60.7	101	80 - 120	2012-12-26
Chrysene		1	mg/L	60.0	61.1	102	80 - 120	2012-12-26
Benzo(b)fluoranthene		1	mg/L	60.0	54.2	90	80 - 120	2012-12-26
Benzo(k)fluoranthene		1	mg/L	60.0	55.3	92	80 - 120	2012-12-26
Benzo(a)pyrene		1	mg/L	60.0	57.5	96	80 - 120	2012-12-26
Indeno(1,2,3-cd)pyrene		1	mg/L	60.0	61.3	102	80 - 120	2012-12-26
Dibenzo(a,h)anthracene		1	mg/L	60.0	61.2	102	80 - 120	2012-12-26
Benzo(g,h,i)perylene		1	mg/L	60.0	61.0	102	80 - 120	2012-12-26

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			61.7	mg/L	1	60.0	103	-
2-Fluorobiphenyl			58.9	mg/L	1	60.0	98	-
Terphenyl-d14			64.6	mg/L	1	60.0	108	-

Standard (CCV-2)

QC Batch: 97677

Date Analyzed: 2012-12-26

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	60.8	101	80 - 120	2012-12-26
2-Methylnaphthalene		1	mg/L	60.0	58.2	97	80 - 120	2012-12-26
1-Methylnaphthalene			mg/L	60.0	58.2	97	80 - 120	2012-12-26
Acenaphthylene		1	mg/L	60.0	53.9	90	80 - 120	2012-12-26
Acenaphthene		1	mg/L	60.0	55.7	93	80 - 120	2012-12-26
Dibenzofuran		1	mg/L	60.0	59.4	99	80 - 120	2012-12-26
Fluorene		1	mg/L	60.0	57.3	96	80 - 120	2012-12-26
Anthracene		1	mg/L	60.0	54.4	91	80 - 120	2012-12-26
Phenanthrene		1	mg/L	60.0	58.4	97	80 - 120	2012-12-26

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	57.7	96	80 - 120	2012-12-26
Pyrene		1	mg/L	60.0	60.7	101	80 - 120	2012-12-26
Benzo(a)anthracene		1	mg/L	60.0	59.9	100	80 - 120	2012-12-26
Chrysene		1	mg/L	60.0	58.6	98	80 - 120	2012-12-26
Benzo(b)fluoranthene		1	mg/L	60.0	53.8	90	80 - 120	2012-12-26
Benzo(k)fluoranthene		1	mg/L	60.0	55.7	93	80 - 120	2012-12-26
Benzo(a)pyrene		1	mg/L	60.0	57.8	96	80 - 120	2012-12-26
Indeno(1,2,3-cd)pyrene		1	mg/L	60.0	61.5	102	80 - 120	2012-12-26
Dibenzo(a,h)anthracene		1	mg/L	60.0	60.9	102	80 - 120	2012-12-26
Benzo(g,h,i)perylene		1	mg/L	60.0	61.0	102	80 - 120	2012-12-26

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5			61.6	mg/L	1	60.0	103	-
2-Fluorobiphenyl			58.6	mg/L	1	60.0	98	-
Terphenyl-d14			63.2	mg/L	1	60.0	105	-

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	T104704219-12-8	Lubbock
2	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 than 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.

Attachments

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

TraceAnalysis, Inc.

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Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
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Midland, Texas 79703
Tel (432) 689-6301
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El Paso, Texas 79922
Tel (915) 585-3443
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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: Nova Phone #: (432)
Address: (Street, City, Zip)
2057 Commerce Dr. Fax #:
Contact Person: Camille Bryant E-mail:
Invoice to:
(If different from above)
Project #: TNM - Monument 2 Project Name: Monument 2
Project Location (including state): NM Sampler Signature: [Signature]

ANALYSIS REQUEST

(Circle or Specify Method No.)

916501	MW-1	3	3 bags	X	WATER	X	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		DATE	TIME	PRESERVATIVE METHOD	MATRIX	# CONTAINERS	Volume / Amount	FIELD CODE	LAB #
502	MW-7																				(LAB USE ONLY)
503	MW-4																				
504	MW-3																				
505	MW-5																				
506	MW-6																				
507	MW-8	4	1 liter																		
508	MW-2	4	1 liter																		
Project Name: Monument 2																					
Project Location (including state): NM																					
Project #: TMM-Monument 2																					
Invoice to: Camille Bryant																					
Contact Person: 231 Commerce Dr.																					
E-mail:																					
Turn Around Time if different from standard																					
Hold																					

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR	LAB USE ONLY
<i>[Signature]</i>	Nova	12/13/12	0800	<i>[Signature]</i>	TA	12/13/12	800	142	58	8	☒ Y ☐ N ☒ Headspace ☐ N/A
<i>[Signature]</i>	TA	12/13/12	1530	<i>[Signature]</i>	Company:	Date:	Time:	INST	OBS	COR	☐ Y ☐ N ☐ Headspace ☐ N/A
<i>[Signature]</i>	Company:	Date:	Time:	<i>[Signature]</i>	Company:	Date:	Time:	INST	OBS	COR	☐ Y ☐ N ☐ Headspace ☐ N/A

☐	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 # _____

Historical Data Tables

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	04/30/97	-	-	28.63	0.00	
MW - 1	07/23/97	3,558.53	-	31.46	0.00	3527.07
MW - 1	10/07/97	3,558.53	-	31.57	0.00	3526.96
MW - 1	10/23/97	3,558.53	-	31.51	0.00	3527.02
MW - 1	12/03/97	3,558.53	-	31.57	0.00	3526.96
MW - 1	01/02/98	3,558.53	-	31.54	0.00	3526.99
MW - 1	01/07/98	3,558.53	-	31.54	0.00	3526.99
MW - 1	02/06/98	3,560.60	-	31.51	0.00	3529.09
MW - 1	03/04/98	3,560.60	-	31.50	0.00	3529.10
MW - 1	04/01/98	3,560.60	-	31.53	0.00	3529.07
MW - 1	02/28/00	3,560.60	-	32.65	0.00	3527.95
MW - 1	06/08/00	3,560.60	-	32.84	0.00	3527.76
MW - 1	09/18/00	3,560.60	-	33.05	0.00	3527.55
MW - 1	12/06/00	3,560.60	-	33.14	0.00	3527.46
MW - 1	03/08/01	3,560.60	-	33.05	0.00	3527.55
MW - 1	06/22/01	3,560.60	-	33.20	0.00	3527.40
MW - 1	09/18/01	3,560.60	-	33.45	0.00	3527.15
MW - 1	10/10/01	3,560.60	-	33.51	0.00	3527.09
MW - 1	02/28/02	3,560.60	-	33.51	0.00	3527.09
MW - 1	05/16/02	3,560.60	-	33.52	0.00	3527.08
MW - 1	09/16/02	3,560.60	-	33.82	0.00	3526.78
MW - 1	12/12/02	3,560.60	-	33.93	0.00	3526.67
MW - 1	06/17/03	3,560.60	-	34.10	0.00	3526.50
MW - 1	09/05/03	3,560.60	-	34.22	0.00	3526.38
MW - 1	12/16/03	3,560.60	-	34.18	0.00	3526.42
MW - 1	03/08/04	3,560.60	-	34.46	0.00	3526.14
MW - 1	05/25/04	3,560.60	-	34.32	0.00	3526.28
MW - 1	08/31/04	3,560.60	-	34.51	0.00	3526.09
MW - 1	12/13/04	3,560.60	-	33.33	0.00	3527.27
MW - 1	03/11/05	3,560.60	-	33.06	0.00	3527.54
MW - 1	06/14/05	3,560.60	-	33.64	0.00	3526.96
MW - 1	09/13/05	3,560.60	-	32.40	0.00	3528.20
MW - 1	12/07/05	3,560.60	-	32.12	0.00	3528.48
MW - 1	12/14/05	3,560.60	-	32.09	0.00	3528.51
MW - 1	03/14/06	3,560.60	-	31.90	0.00	3528.70
MW - 1	06/16/06	3,560.60	-	31.92	0.00	3528.68
MW - 1	09/05/06	3,560.60	-	31.97	0.00	3528.63
MW - 1	11/14/06	3,560.60	-	31.75	0.00	3528.85
MW - 1	02/13/07	3,560.60	-	31.64	0.00	3528.96
MW - 1	05/10/07	3,560.60	-	31.51	0.00	3529.09
MW - 1	08/20/07	3,560.60	-	31.58	0.00	3529.02
MW - 1	11/02/07	3,560.60	-	31.56	0.00	3529.04

TABLE 1
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	02/06/08	3,560.60	-	31.50	0.00	3529.10
MW - 1	05/06/08	3,560.60	-	31.55	0.00	3529.05
MW - 1	08/07/08	3,560.60	-	31.86	0.00	3528.74
MW - 1	11/04/08	3,560.60	-	31.91	0.00	3528.69
MW - 1	02/03/09	3,560.60	-	31.87	0.00	3528.73
MW - 1	05/06/09	3,560.60	-	31.86	0.00	3528.74
MW - 1	08/03/09	3,560.60	-	32.17	0.00	3528.43
MW - 1	11/02/09	3,560.60	-	32.44	0.00	3528.16
MW - 1	01/07/10	3,560.60	-	32.42	0.00	3528.18
MW - 1	02/02/10	3,560.60	-	32.49	0.00	3528.11
MW - 1	05/05/10	3,560.60	-	32.50	0.00	3528.10
MW - 1	08/04/10	3,560.60	-	32.51	0.00	3528.09
MW - 1	11/03/10	3,560.60	-	32.51	0.00	3528.09
MW - 1	02/08/11	3,560.60	-	32.53	0.00	3528.07
MW - 1	05/16/11	3,560.60	-	32.52	0.00	3528.08
MW - 1	08/09/11	3,560.60	-	32.50	0.00	3528.10
MW - 1	10/31/11	3,560.60	-	32.64	0.00	3527.96
MW - 1	02/09/12	3,560.60	-	32.61	0.00	3527.99
MW - 1	05/21/12	3,560.60	-	32.72	0.00	3527.88
MW - 1	08/03/12	3,560.60	-	32.89	0.00	3527.71
MW - 1	12/12/12	3,560.60	-	33.05	0.00	3527.55
MW - 2	04/30/97	3,559.09	-	29.71	0.00	3529.38
MW - 2	07/23/97	3,559.09	-	34.28	0.00	3524.81
MW - 2	10/07/97	3,559.09	-	35.00	0.00	3524.09
MW - 2	10/23/97	3,559.09	-	35.02	0.00	3524.07
MW - 2	12/03/97	3,559.09	-	35.12	0.00	3523.97
MW - 2	12/17/97	3,559.09	-	33.02	0.00	3526.07
MW - 2	01/02/98	3,559.09	-	32.96	0.00	3526.13
MW - 2	01/07/98	3,559.09	-	32.36	0.00	3526.73
MW - 2	01/15/98	3,559.09	-	32.12	0.00	3526.97
MW - 2	01/20/98	3,559.09	-	32.01	0.00	3527.08
MW - 2	01/30/98	3,559.09	-	32.24	0.00	3526.85
MW - 2	02/06/98	3,561.14	-	32.22	0.00	3528.92
MW - 2	02/13/98	3,561.14	-	32.20	0.00	3528.94
MW - 2	02/21/98	3,561.14	-	32.20	0.00	3528.94
MW - 2	02/25/98	3,561.14	-	32.19	0.00	3528.95
MW - 2	03/04/98	3,561.14	-	32.14	0.00	3529.00
MW - 2	03/13/98	3,561.14	-	32.16	0.00	3528.98
MW - 2	03/17/98	3,561.14	-	32.03	0.00	3529.11
MW - 2	03/24/98	3,561.14	-	32.03	0.00	3529.11
MW - 2	03/31/98	3,561.14	-	32.04	0.00	3529.10

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	04/07/98	3,561.14	-	32.06	0.00	3529.08
MW - 2	04/17/98	3,561.14	-	32.12	0.00	3529.02
MW - 2	04/21/98	3,561.14	-	32.08	0.00	3529.06
MW - 2	04/28/98	3,561.14	-	32.05	0.00	3529.09
MW - 2	02/28/00	3,561.14	32.48	35.26	2.78	3528.24
MW - 2	06/08/00	3,561.14	32.66	35.39	2.73	3528.07
MW - 2	09/18/00	3,561.14	33.04	34.26	1.22	3527.92
MW - 2	12/06/00	3,561.14	33.26	34.12	0.86	3527.75
MW - 2	03/08/01	3,561.14	33.21	33.98	0.77	3527.81
MW - 2	06/22/01	3,561.14	32.22	32.69	0.47	3528.85
MW - 2	09/18/01	3,561.14	33.44	33.89	0.45	3527.63
MW - 2	10/10/01	3,561.14	34.00	33.60	-0.40	3527.20
MW - 2	02/28/02	3,561.14	33.64	34.65	1.01	3527.35
MW - 2	05/16/02	3,561.14	33.71	34.28	0.57	3527.34
MW - 2	09/16/02	3,561.14	34.00	34.40	0.40	3527.08
MW - 2	12/12/02	3,561.14	34.03	35.15	1.12	3526.94
MW - 2	06/17/03	3,561.14	34.04	35.80	1.76	3526.84
MW - 2	09/05/03	3,561.14	34.25	35.97	1.72	3526.63
MW - 2	12/16/03	3,561.14	34.23	35.99	1.76	3526.65
MW - 2	03/08/04	3,561.14	34.42	36.03	1.61	3526.48
MW - 2	05/25/04	3,561.14	34.30	35.79	1.49	3526.62
MW - 2	08/31/04	3,561.14	33.46	36.06	2.60	3527.29
MW - 2	09/13/04	3,561.14	34.49	36.10	1.61	3526.41
MW - 2	09/21/04	3,561.14	35.10	35.65	0.55	3525.96
MW - 2	10/07/04	3,561.14	34.15	34.61	0.46	3526.92
MW - 2	10/14/04	3,561.14	33.84	34.15	0.31	3527.25
MW - 2	10/24/04	3,561.14	33.82	34.09	0.27	3527.28
MW - 2	10/28/04	3,561.14	33.94	34.10	0.16	3527.18
MW - 2	11/04/04	3,561.14	34.00	34.06	0.06	3527.13
MW - 2	11/11/04	3,561.14	sheen	34.00	0.00	3527.14
MW - 2	11/17/04	3,561.14	sheen	33.98	0.00	3527.16
MW - 2	11/30/04	3,561.14	sheen	32.68	0.00	3528.46
MW - 2	12/07/04	3,561.14	sheen	33.50	0.00	3527.64
MW - 2	12/13/04	3,561.14	-	33.49	0.00	3527.65
MW - 2	12/15/04	3,561.14	sheen	33.49	0.00	3527.65
MW - 2	12/28/04	3,561.14	sheen	33.49	0.00	3527.65
MW - 2	01/12/05	3,561.14	sheen	33.42	0.00	3527.72
MW - 2	01/19/05	3,561.14	sheen	33.40	0.00	3527.74
MW - 2	01/26/05	3,561.14	sheen	33.39	0.00	3527.75
MW - 2	02/01/05	3,561.14	sheen	33.38	0.00	3527.76
MW - 2	02/09/05	3,561.14	sheen	33.28	0.00	3527.86
MW - 2	02/16/05	3,561.14	sheen	33.33	0.00	3527.81

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	02/23/05	3,561.14	sheen	33.32	0.00	3527.82
MW - 2	03/02/05	3,561.14	sheen	33.29	0.00	3527.85
MW - 2	03/09/05	3,561.14	sheen	33.25	0.00	3527.89
MW - 2	03/11/05	3,561.14	sheen	33.25	0.00	3527.89
MW - 2	03/17/05	3,561.14	sheen	33.23	0.00	3527.91
MW - 2	03/23/05	3,561.14	sheen	32.27	0.00	3528.87
MW - 2	03/30/05	3,561.14	sheen	33.20	0.00	3527.94
MW - 2	04/06/05	3,561.14	sheen	33.20	0.00	3527.94
MW - 2	04/14/05	3,561.14	sheen	33.16	0.00	3527.98
MW - 2	05/24/05	3,561.14	sheen	32.93	0.00	3528.21
MW - 2	06/14/05	3,561.14	-	32.73	0.00	3528.41
MW - 2	06/22/05	3,561.14	sheen	32.75	0.00	3528.39
MW - 2	07/28/05	3,561.14	sheen	32.65	0.00	3528.49
MW - 2	08/24/05	3,561.14	sheen	32.58	0.00	3528.56
MW - 2	09/13/05	3,561.14	32.50	32.51	0.01	3528.64
MW - 2	09/30/05	3,561.14	-	32.40	0.00	3528.74
MW - 2	10/28/05	3,561.14	sheen	32.40	0.00	3528.74
MW - 2	11/17/05	3,561.14	sheen	32.29	0.00	3528.85
MW - 2	12/14/05	3,561.14	sheen	32.19	0.00	3528.95
MW - 2	12/30/05	3,561.14	sheen	32.15	0.00	3528.99
MW - 2	01/18/06	3,561.14	sheen	32.14	0.00	3529.00
MW - 2	02/17/06	3,561.14	sheen	32.06	0.00	3529.08
MW - 2	03/14/06	3,561.14	sheen	32.00	0.00	3529.14
MW - 2	03/24/06	3,561.14	sheen	32.00	0.00	3529.14
MW - 2	04/19/06	3,561.14	sheen	31.93	0.00	3529.21
MW - 2	05/24/06	3,561.14	sheen	31.93	0.00	3529.21
MW - 2	06/16/06	3,561.14	-	32.03	0.00	3529.11
MW - 2	07/12/06	3,561.14	32.10	32.14	0.04	3529.03
MW - 2	08/10/06	3,561.14	-	32.14	0.00	3529.00
MW - 2	09/05/06	3,561.14	-	32.13	0.00	3529.01
MW - 2	09/17/06	3,561.14		32.07	0.00	3529.07
MW - 2	10/03/06	3,561.14		32.10	0.00	3529.04
MW - 2	10/24/06	3,561.14		32.00	0.00	3529.14
MW - 2	11/14/06	3,561.14		31.91	0.00	3529.23
MW - 2	11/16/06	3,561.14		31.90	0.00	3529.24
MW - 2	02/13/07	3,561.14		31.74	0.00	3529.40
MW - 2	05/10/07	3,561.14		31.63	0.00	3529.51
MW - 2	08/20/07	3,561.14		31.73	0.00	3529.41
MW - 2	11/02/07	3,561.14		31.71	0.00	3529.43
MW - 2	02/06/08	3,561.14		31.68	0.00	3529.46
MW - 2	05/06/08	3,561.14		31.70	0.00	3529.44
MW - 2	08/07/08	3,561.14		32.69	0.00	3528.45

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	09/12/08	3,561.14	32.02	32.12	0.10	3529.11
MW - 2	09/25/08	3,561.14	32.10	32.12	0.02	3529.04
MW - 2	09/30/08	3,561.14		32.11	0.00	3529.03
MW - 2	10/07/08	3,561.14		32.14	0.00	3529.00
MW - 2	10/15/08	3,561.14		32.19	0.00	3528.95
MW - 2	10/22/08	3,561.14		32.17	0.00	3528.97
MW - 2	10/31/08	3,561.14		32.19	0.00	3528.95
MW - 2	11/04/08	3,561.14		32.11	0.00	3529.03
MW - 2	11/07/08	3,561.14		32.11	0.00	3529.03
MW - 2	11/14/08	3,561.14		32.12	0.00	3529.02
MW - 2	11/21/08	3,561.14		32.34	0.00	3528.80
MW - 2	11/24/08	3,561.14		32.05	0.00	3529.09
MW - 2	12/03/08	3,561.14		29.22	0.00	3531.92
MW - 2	12/16/08	3,561.14		32.07	0.00	3529.07
MW - 2	01/07/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	01/16/09	3,561.14	-	32.09	0.00	3529.05
MW - 2	01/29/09	3,561.14	-	32.07	0.00	3529.07
MW - 2	02/03/09	3,561.14	-	32.11	0.00	3529.03
MW - 2	02/09/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	02/17/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	02/26/09	3,561.14	-	32.08	0.00	3529.06
MW - 2	03/02/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	03/05/09	3,561.14	-	32.11	0.00	3529.03
MW - 2	03/09/09	3,561.14	-	32.14	0.00	3529.00
MW - 2	03/16/09	3,561.14	-	32.06	0.00	3529.08
MW - 2	03/18/09	3,561.14	-	32.16	0.00	3528.98
MW - 2	03/25/09	3,561.14	-	32.16	0.00	3528.98
MW - 2	03/27/09	3,561.14	32.01	32.16	0.15	3529.11
MW - 2	03/30/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	04/06/09	3,561.14	-	32.13	0.00	3529.01
MW - 2	04/13/09	3,561.14	-	32.02	0.00	3529.12
MW - 2	04/16/09	3,561.14	-	32.06	0.00	3529.08
MW - 2	04/20/09	3,561.14	-	32.08	0.00	3529.06
MW - 2	04/23/09	3,561.14	-	32.03	0.00	3529.11
MW - 2	04/27/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	04/30/09	3,561.14	-	32.08	0.00	3529.06
MW - 2	05/06/09	3,561.14	-	32.04	0.00	3529.10
MW - 2	05/21/09	3,561.14	-	32.11	0.00	3529.03
MW - 2	05/27/09	3,561.14	-	32.12	0.00	3529.02
MW - 2	06/04/09	3,561.14	-	32.16	0.00	3528.98
MW - 2	06/08/09	3,561.14	-	32.18	0.00	3528.96
MW - 2	06/11/09	3,561.14	-	32.14	0.00	3529.00

TABLE 1
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	06/16/09	3,561.14	-	32.19	0.00	3528.95
MW - 2	06/22/09	3,561.14	-	32.24	0.00	3528.90
MW - 2	06/29/09	3,561.14	-	32.18	0.00	3528.96
MW - 2	07/02/09	3,561.14	-	32.36	0.00	3528.78
MW - 2	07/10/09	3,561.14	-	32.29	0.00	3528.85
MW - 2	07/15/09	3,561.14	-	32.18	0.00	3528.96
MW - 2	07/21/09	3,561.14	-	32.37	0.00	3528.77
MW - 2	07/29/09	3,561.14	-	32.17	0.00	3528.97
MW - 2	07/30/09	3,561.14		32.35	0.00	3528.79
MW - 2	08/03/09	3,561.14	-	32.38	0.00	3528.76
MW - 2	08/05/09	3,561.14	-	32.39	0.00	3528.75
MW - 2	08/07/09	3,561.14	-	32.42	0.00	3528.72
MW - 2	08/10/09	3,561.14	-	32.37	0.00	3528.77
MW - 2	08/19/09	3,561.14	-	32.43	0.00	3528.71
MW - 2	08/27/09	3,561.14	-	32.46	0.00	3528.68
MW - 2	08/31/09	3,561.14	-	32.47	0.00	3528.67
MW - 2	09/11/09	3,561.14	-	32.51	0.00	3528.63
MW - 2	09/17/09	3,561.14	-	32.58	0.00	3528.56
MW - 2	09/24/09	3,561.14	-	32.55	0.00	3528.59
MW - 2	09/29/09	3,561.14	-	32.61	0.00	3528.53
MW - 2	09/30/09	3,561.14	-	32.53	0.00	3528.61
MW - 2	10/06/09	3,561.14	-	32.63	0.00	3528.51
MW - 2	10/20/09	3,561.14	sheen	32.57	0.00	3528.57
MW - 2	10/27/09	3,561.14	-	32.64	0.00	3528.50
MW - 2	11/02/09	3,561.14	sheen	32.68	0.00	3528.46
MW - 2	11/05/09	3,561.14	sheen	32.61	0.00	3528.53
MW - 2	11/20/09	3,561.14	sheen	32.63	0.00	3528.51
MW - 2	12/04/09	3,561.14	sheen	32.65	0.00	3528.49
MW - 2	12/14/09	3,561.14	-	32.46	0.00	3528.68
MW - 2	01/07/10	3,561.14	sheen	32.76	0.00	3528.38
MW - 2	01/21/10	3,561.14	sheen	32.67	0.00	3528.47
MW - 2	02/02/10	3,561.14	-	32.79	0.00	3528.35
MW - 2	03/01/10	3,561.14	sheen	32.77	0.00	3528.37
MW - 2	03/16/10	3,561.14	sheen	32.67	0.00	3528.47
MW - 2	04/16/10	3,561.14	sheen	32.79	0.00	3528.35
MW - 2	05/05/10	3,561.14	sheen	32.74	0.00	3528.40
MW - 2	05/27/10	3,561.14	sheen	32.72	0.00	3528.42
MW - 2	06/07/10	3,561.14	sheen	32.88	0.00	3528.26
MW - 2	06/25/10	3,561.14	-	32.46	0.00	3528.68
MW - 2	07/16/10	3,561.14	sheen	32.76	0.00	3528.38
MW - 2	07/30/10	3,561.14	sheen	32.69	0.00	3528.45
MW - 2	08/04/10	3,561.14	sheen	32.69	0.00	3528.45

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	08/20/10	3,561.14	sheen	32.58	0.00	3528.56
MW - 2	09/10/10	3,561.14	sheen	32.68	0.00	3528.46
MW - 2	09/24/10	3,561.14	sheen	32.53	0.00	3528.61
MW - 2	10/08/10	3,561.14	sheen	32.56	0.00	3528.58
MW - 2	11/03/10	3,561.14	sheen	32.73	0.00	3528.41
MW - 2	12/03/10	3,561.14	sheen	32.44	0.00	3528.70
MW - 2	12/16/10	3,561.14	sheen	32.61	0.00	3528.53
MW - 2	02/08/11	3,561.14	sheen	32.75	0.00	3528.39
MW - 2	05/16/11	3,561.14	sheen	32.75	0.00	3528.39
MW - 2	05/19/11	3,561.14	-	32.30	0.00	3528.84
MW - 2	05/27/11	3,561.14	-	32.41	0.00	3528.73
MW - 2	06/10/11	3,561.14	-	32.37	0.00	3528.77
MW - 2	06/24/11	3,561.14	-	32.41	0.00	3528.73
MW - 2	07/01/11	3,561.14	-	32.45	0.00	3528.69
MW - 2	07/22/11	3,561.14	-	32.43	0.00	3528.71
MW - 2	08/09/11	3,561.14	-	32.43	0.00	3528.71
MW - 2	08/15/11	3,561.14	-	32.84	0.00	3528.30
MW - 2	08/22/11	3,561.14	-	32.63	0.00	3528.51
MW - 2	09/12/11	3,561.14	-	32.82	0.00	3528.32
MW - 2	10/31/11	3,561.14	-	32.80	0.00	3528.34
MW - 2	12/07/11	3,561.14	-	32.32	0.00	3528.82
MW - 2	12/23/11	3,561.14	-	32.86	0.00	3528.28
MW - 2	12/27/11	3,561.14	-	32.83	0.00	3528.31
MW - 2	01/18/12	3,561.14	-	32.80	0.00	3528.34
MW - 2	02/09/12	3,561.14	-	32.82	0.00	3528.32
MW - 2	02/13/12	3,561.14	-	32.69	0.00	3528.45
MW - 2	03/02/12	3,561.14	-	32.85	0.00	3528.29
MW - 2	04/09/12	3,561.14	-	32.86	0.00	3528.28
MW - 2	05/21/12	3,561.14	-	32.90	0.00	3528.24
MW - 2	06/11/12	3,561.14	-	32.91	0.00	3528.23
MW - 2	06/25/12	3,561.14	-	32.88	0.00	3528.26
MW - 2	07/09/12	3,561.14	-	33.00	0.00	3528.14
MW - 2	08/03/12	3,561.14	-	33.07	0.00	3528.07
MW - 2	08/15/12	3,561.14	-	33.15	0.00	3527.99
MW - 2	08/21/12	3,561.14	-	33.17	0.00	3527.97
MW - 2	09/04/12	3,561.14	-	33.17	0.00	3527.97
MW - 2	09/24/12	3,561.14	-	33.24	0.00	3527.90
MW - 2	10/08/12	3,561.14	-	33.24	0.00	3527.90
MW - 2	10/22/12	3,561.14	-	33.14	0.00	3528.00
MW - 2	11/29/12	3,561.14	-	33.31	0.00	3527.83
MW - 2	12/12/12	3,561.14	-	33.24	0.00	3527.90
MW - 2	12/17/12	3,561.14	-	33.28	0.00	3527.86

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	04/30/97	3,558.35	-	26.47	0.00	3531.88
MW - 3	07/23/97	3,558.35	-	30.61	0.00	3527.74
MW - 3	10/07/97	3,558.35	-	30.74	0.00	3527.61
MW - 3	10/23/97	3,558.35	-	30.69	0.00	3527.66
MW - 3	12/03/97	3,558.35	-	30.74	0.00	3527.61
MW - 3	01/02/98	3,558.35	-	30.72	0.00	3527.63
MW - 3	01/07/98	3,558.35	-	30.71	0.00	3527.64
MW - 3	02/06/98	3,560.39	-	30.71	0.00	3529.68
MW - 3	03/04/98	3,560.39	-	30.69	0.00	3529.70
MW - 3	04/01/98	3,560.39	-	30.69	0.00	3529.70
MW - 3	02/28/00	3,560.39	-	31.80	0.00	3528.59
MW - 3	06/08/00	3,560.39	-	31.96	0.00	3528.43
MW - 3	09/18/00	3,560.39	-	32.18	0.00	3528.21
MW - 3	12/06/00	3,560.39	-	32.28	0.00	3528.11
MW - 3	03/08/01	3,560.39	-	32.24	0.00	3528.15
MW - 3	06/22/01	3,560.39	-	32.35	0.00	3528.04
MW - 3	09/18/01	3,560.39	-	32.56	0.00	3527.83
MW - 3	10/10/01	3,560.39	-	32.61	0.00	3527.78
MW - 3	02/28/02	3,560.39	-	32.63	0.00	3527.76
MW - 3	05/16/02	3,560.39	-	32.68	0.00	3527.71
MW - 3	09/16/02	3,560.39	-	32.92	0.00	3527.47
MW - 3	12/12/02	3,560.39	-	33.09	0.00	3527.30
MW - 3	06/17/03	3,560.39	-	33.25	0.00	3527.14
MW - 3	09/05/03	3,560.39	-	33.41	0.00	3526.98
MW - 3	12/16/03	3,560.39	-	33.37	0.00	3527.02
MW - 3	03/08/04	3,560.39	-	33.61	0.00	3526.78
MW - 3	05/25/04	3,560.39	-	37.42	0.00	3522.97
MW - 3	08/31/04	3,560.39	-	33.66	0.00	3526.73
MW - 3	12/07/04	3,560.39		33.51	0.00	3526.88
MW - 3	12/13/04	3,560.39		32.45	0.00	3527.94
MW - 3	12/28/04	3,560.39		33.40	0.00	3526.99
MW - 3	03/11/05	3,560.39	-	32.15	0.00	3528.24
MW - 3	06/14/05	3,560.39	-	31.67	0.00	3528.72
MW - 3	09/13/05	3,560.39	-	31.41	0.00	3528.98
MW - 3	12/07/05	3,560.39	-	31.13	0.00	3529.26
MW - 3	12/14/05	3,560.39	-	31.09	0.00	3529.30
MW - 3	03/14/06	3,560.39	-	30.91	0.00	3529.48
MW - 3	06/16/06	3,560.39	-	30.93	0.00	3529.46
MW - 3	09/05/06	3,560.39	-	31.02	0.00	3529.37
MW - 3	11/14/06	3,560.39	-	30.78	0.00	3529.61
MW - 3	02/13/07	3,560.39	-	30.68	0.00	3529.71

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 3	05/10/07	3,560.39	-	30.51	0.00	3529.88
MW - 3	08/20/07	3,560.39	-	30.64	0.00	3529.75
MW - 3	11/02/07	3,560.39	-	30.64	0.00	3529.75
MW - 3	02/06/08	3,560.39	-	30.60	0.00	3529.79
MW - 3	05/06/08	3,560.39	-	30.68	0.00	3529.71
MW - 3	08/05/08	3,560.39	-	30.98	0.00	3529.41
MW - 3	08/07/08	3,560.39	-	30.98	0.00	3529.41
MW - 3	11/04/08	3,560.39	-	31.06	0.00	3529.33
MW - 3	02/03/09	3,560.39	-	31.02	0.00	3529.37
MW - 3	05/06/09	3,560.39	-	31.01	0.00	3529.38
MW - 3	08/03/09	3,560.39	-	31.33	0.00	3529.06
MW - 3	11/02/09	3,560.39	-	31.59	0.00	3528.80
MW - 3	01/07/10	3,560.39	-	31.57	0.00	3528.82
MW - 3	02/02/10	3,560.39	-	31.64	0.00	3528.75
MW - 3	05/05/10	3,560.39	-	31.62	0.00	3528.77
MW - 3	08/04/10	3,560.39	-	31.62	0.00	3528.77
MW - 3	11/03/10	3,560.39	-	31.61	0.00	3528.78
MW - 3	02/08/11	3,560.39	-	31.61	0.00	3528.78
MW - 3	05/16/11	3,560.39	-	31.61	0.00	3528.78
MW - 3	08/09/11	3,560.39	-	31.58	0.00	3528.81
MW - 3	10/31/11	3,560.39	-	31.72	0.00	3528.67
MW - 3	02/09/12	3,560.39	-	31.76	0.00	3528.63
MW - 3	05/21/12	3,560.39	-	31.89	0.00	3528.50
MW - 3	08/03/12	3,560.39	-	32.02	0.00	3528.37
MW - 3	12/12/12	3,560.39	-	32.21	0.00	3528.18
MW - 4	09/17/97	3,559.03	-	31.87	0.00	3527.16
MW - 4	10/07/97	3,559.03	-	31.90	0.00	3527.13
MW - 4	10/23/97	3,559.03	-	31.85	0.00	3527.18
MW - 4	12/03/97	3,559.03	-	31.90	0.00	3527.13
MW - 4	01/02/98	3,559.03	-	31.87	0.00	3527.16
MW - 4	01/07/98	3,559.03	-	31.87	0.00	3527.16
MW - 4	02/06/98	3,561.08	-	31.84	0.00	3529.24
MW - 4	03/04/98	3,561.08	-	31.84	0.00	3529.24
MW - 4	04/01/98	3,561.08	-	31.87	0.00	3529.21
MW - 4	02/28/00	3,561.08	-	32.95	0.00	3528.13
MW - 4	06/08/00	3,561.08	-	33.13	0.00	3527.95
MW - 4	09/18/00	3,561.08	-	33.33	0.00	3527.75
MW - 4	12/06/00	3,561.08	-	33.45	0.00	3527.63
MW - 4	03/08/01	3,561.08	-	33.34	0.00	3527.74
MW - 4	06/22/01	3,561.08	-	33.50	0.00	3527.58
MW - 4	09/18/01	3,561.08	-	33.74	0.00	3527.34

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	10/10/01	3,561.08	-	33.80	0.00	3527.28
MW - 4	02/28/02	3,561.08	-	33.84	0.00	3527.24
MW - 4	05/16/02	3,561.08	-	33.83	0.00	3527.25
MW - 4	09/16/02	3,561.08	-	34.10	0.00	3526.98
MW - 4	12/12/02	3,561.08	-	34.28	0.00	3526.80
MW - 4	06/17/03	3,561.08	-	34.39	0.00	3526.69
MW - 4	09/05/03	3,561.08	-	34.59	0.00	3526.49
MW - 4	12/16/03	3,561.08	-	34.56	0.00	3526.52
MW - 4	03/08/04	3,561.08	-	34.77	0.00	3526.31
MW - 4	05/25/04	3,561.08	-	34.64	0.00	3526.44
MW - 4	08/31/04	3,561.08	-	34.77	0.00	3526.31
MW - 4	12/13/04	3,561.08	-	33.59	0.00	3527.49
MW - 4	03/11/05	3,561.08	-	33.37	0.00	3527.71
MW - 4	06/14/05	3,561.08	-	32.92	0.00	3528.16
MW - 4	09/13/05	3,561.08	-	32.68	0.00	3528.40
MW - 4	12/07/05	3,561.08	-	32.40	0.00	3528.68
MW - 4	12/14/05	3,561.08	-	32.36	0.00	3528.72
MW - 4	03/14/06	3,561.08	-	32.18	0.00	3528.90
MW - 4	06/16/06	3,561.08	-	32.21	0.00	3528.87
MW - 4	09/05/06	3,561.08	-	32.26	0.00	3528.82
MW - 4	10/24/06	3,561.08	-	32.10	0.00	3528.98
MW - 4	11/14/06	3,561.08	-	32.03	0.00	3529.05
MW - 4	02/13/07	3,561.08	-	31.85	0.00	3529.23
MW - 4	05/10/07	3,561.08	-	31.74	0.00	3529.34
MW - 4	08/20/07	3,561.08	-	31.87	0.00	3529.21
MW - 4	11/02/07	3,561.08	-	31.87	0.00	3529.21
MW - 4	02/06/08	3,561.08	-	31.81	0.00	3529.27
MW - 4	05/06/08	3,561.08	-	31.87	0.00	3529.21
MW - 4	08/07/08	3,561.08	-	32.12	0.00	3528.96
MW - 4	11/04/08	3,561.08	-	32.22	0.00	3528.86
MW - 4	02/03/09	3,561.08	-	32.23	0.00	3528.85
MW - 4	05/06/09	3,561.08	-	32.19	0.00	3528.89
MW - 4	08/03/09	3,561.08	-	32.50	0.00	3528.58
MW - 4	11/02/09	3,561.08	-	32.76	0.00	3528.32
MW - 4	01/07/10	3,561.08	-	32.71	0.00	3528.37
MW - 4	02/02/10	3,561.08	-	32.83	0.00	3528.25
MW - 4	05/05/10	3,561.08	-	32.87	0.00	3528.21
MW - 4	08/04/10	3,561.08	-	32.87	0.00	3528.21
MW - 4	11/03/10	3,561.08	-	32.86	0.00	3528.22
MW - 4	02/08/11	3,561.08	-	32.61	0.00	3528.47
MW - 4	05/16/11	3,561.08	-	32.64	0.00	3528.44
MW - 4	08/09/11	3,561.08	-	32.64	0.00	3528.44

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	10/31/11	3,561.08	-	32.94	0.00	3528.14
MW - 4	02/09/12	3,561.08	-	32.94	0.00	3528.14
MW - 4	05/21/12	3,561.08	-	33.06	0.00	3528.02
MW - 4	08/03/12	3,561.08	-	33.22	0.00	3527.86
MW - 4	12/12/12	3,561.08	-	33.38	0.00	3527.70
MW - 5	09/17/97	3,558.16	-	30.68	0.00	3527.48
MW - 5	10/07/97	3,558.16	-	30.72	0.00	3527.44
MW - 5	10/23/97	3,558.16	-	30.65	0.00	3527.51
MW - 5	12/03/97	3,558.16	-	30.70	0.00	3527.46
MW - 5	01/02/98	3,558.16	-	30.68	0.00	3527.48
MW - 5	01/07/98	3,558.16	-	30.67	0.00	3527.49
MW - 5	02/06/98	3,560.20	-	30.66	0.00	3529.54
MW - 5	03/04/98	3,560.20	-	30.65	0.00	3529.55
MW - 5	04/01/98	3,560.20	-	30.68	0.00	3529.52
MW - 5	02/28/00	3,560.20	31.81	31.82	0.01	3528.39
MW - 5	06/08/00	3,560.20	31.98	32.00	0.02	3528.22
MW - 5	09/18/00	3,560.20	32.16	32.21	0.05	3528.03
MW - 5	12/06/00	3,560.20	32.32	32.33	0.01	3527.88
MW - 5	03/08/01	3,560.20	32.28	32.29	0.01	3527.92
MW - 5	06/22/01	3,560.20	32.43	32.44	0.01	3527.77
MW - 5	09/18/01	3,560.20	32.68	32.69	0.01	3527.52
MW - 5	10/10/01	3,560.20	32.6	32.68	0.08	3527.59
MW - 5	02/28/02	3,560.20	32.71	32.72	0.01	3527.49
MW - 5	05/16/02	3,560.20	32.74	32.74	0.00	3527.46
MW - 5	09/16/02	3,560.20	33.02	33.02	0.00	3527.18
MW - 5	12/12/02	3,560.20	-	33.14	0.00	3527.06
MW - 5	06/17/03	3,560.20	-	33.40	0.00	3526.80
MW - 5	09/05/03	3,560.20	33.39	33.75	0.36	3526.76
MW - 5	12/16/03	3,560.20	33.52	33.87	0.35	3526.63
MW - 5	03/08/04	3,560.20	33.54	33.97	0.43	3526.60
MW - 5	05/25/04	3,560.20	33.43	33.69	0.26	3526.73
MW - 5	08/31/04	3,560.20	33.59	33.92	0.33	3526.56
MW - 5	09/13/04	3,560.20	33.6	34.02	0.42	3526.54
MW - 5	09/13/04	3,560.20	33.6	34.02	0.42	3526.54
MW - 5	09/21/04	3,560.20	33.64	33.94	0.30	3526.52
MW - 5	10/07/04	3,560.20	sheen	33.20	0.00	3527.00
MW - 5	10/14/04	3,560.20	sheen	32.85	0.00	3527.35
MW - 5	10/24/04	3,560.20	sheen	32.88	0.00	3527.32
MW - 5	10/28/04	3,560.20	sheen	32.81	0.00	3527.39
MW - 5	11/04/04	3,560.20	sheen	32.93	0.00	3527.27
MW - 5	11/11/04	3,560.20	sheen	32.93	0.00	3527.27

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	11/17/04	3,560.20	sheen	32.92	0.00	3527.28
MW - 5	11/30/04	3,560.20	sheen	32.64	0.00	3527.56
MW - 5	12/07/04	3,560.20	sheen	32.50	0.00	3527.70
MW - 5	12/13/04	3,560.20	-	32.46	0.00	3527.74
MW - 5	12/15/04	3,560.20	sheen	32.46	0.00	3527.74
MW - 5	12/28/04	3,560.20	sheen	32.43	0.00	3527.77
MW - 5	01/12/05	3,560.20	sheen	32.39	0.00	3527.81
MW - 5	01/19/05	3,560.20	sheen	32.36	0.00	3527.84
MW - 5	01/26/05	3,560.20	sheen	32.34	0.00	3527.86
MW - 5	02/01/05	3,560.20	sheen	32.33	0.00	3527.87
MW - 5	02/09/05	3,560.20	sheen	32.32	0.00	3527.88
MW - 5	02/16/05	3,560.20	sheen	32.29	0.00	3527.91
MW - 5	02/23/05	3,560.20	sheen	32.25	0.00	3527.95
MW - 5	03/02/05	3,560.20	sheen	32.23	0.00	3527.97
MW - 5	03/09/05	3,560.20	sheen	32.22	0.00	3527.98
MW - 5	03/11/05	3,560.20	sheen	32.20	0.00	3528.00
MW - 5	03/17/05	3,560.20	sheen	32.19	0.00	3528.01
MW - 5	03/23/05	3,560.20	sheen	32.19	0.00	3528.01
MW - 5	03/30/05	3,560.20	sheen	32.10	0.00	3528.10
MW - 5	04/06/05	3,560.20	sheen	32.08	0.00	3528.12
MW - 5	04/14/05	3,560.20	sheen	32.03	0.00	3528.17
MW - 5	05/24/05	3,560.20	sheen	31.81	0.00	3528.39
MW - 5	06/14/05	3,560.20	sheen	31.68	0.00	3528.52
MW - 5	06/22/05	3,560.20	sheen	31.69	0.00	3528.51
MW - 5	07/28/05	3,560.20	sheen	31.59	0.00	3528.61
MW - 5	08/24/05	3,560.20	sheen	31.51	0.00	3528.69
MW - 5	09/13/05	3,560.20	31.39	31.40	0.01	3528.81
MW - 5	09/30/05	3,560.20	-	31.35	0.00	3528.85
MW - 5	10/28/05	3,560.20	sheen	31.31	0.00	3528.89
MW - 5	11/17/05	3,560.20	sheen	31.22	0.00	3528.98
MW - 5	12/07/05	3,560.20	-	31.15	0.00	3529.05
MW - 5	12/14/05	3,560.20	sheen	31.12	0.00	3529.08
MW - 5	12/30/05	3,560.20	sheen	31.10	0.00	3529.10
MW - 5	01/18/06	3,560.20	sheen	31.06	0.00	3529.14
MW - 5	02/17/06	3,560.20	sheen	31.00	0.00	3529.20
MW - 5	03/14/06	3,560.20	sheen	30.92	0.00	3529.28
MW - 5	03/24/06	3,560.20	sheen	30.95	0.00	3529.25
MW - 5	04/19/06	3,560.20	sheen	30.86	0.00	3529.34
MW - 5	05/24/06	3,560.20	sheen	30.88	0.00	3529.32
MW - 5	06/16/06	3,560.20	-	30.96	0.00	3529.24
MW - 5	07/12/06	3,560.20	sheen	31.04	0.00	3529.16
MW - 5	08/10/06	3,560.20	-	31.09	0.00	3529.11

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	09/05/06	3,560.20	-	31.04	0.00	3529.16
MW - 5	09/17/06	3,560.20	-	30.99	0.00	3529.21
MW - 5	10/03/06	3,560.20	sheen	31.04	0.00	3529.16
MW - 5	10/24/06	3,560.20	sheen	30.90	0.00	3529.30
MW - 5	11/14/06	3,560.20	30.8	30.81	0.01	3529.40
MW - 5	11/16/06	3,560.20	sheen	30.84	0.00	3529.36
MW - 5	02/13/07	3,560.20	sheen	30.62	0.00	3529.58
MW - 5	05/10/07	3,560.20	-	30.53	0.00	3529.67
MW - 5	08/20/07	3,560.20	-	30.63	0.00	3529.57
MW - 5	11/02/07	3,560.20	-	30.63	0.00	3529.57
MW - 5	02/06/08	3,560.20		30.63	0.00	3529.57
MW - 5	05/06/08	3,560.20		30.65	0.00	3529.55
MW - 5	08/07/08	3,560.20		30.94	0.00	3529.26
MW - 5	09/12/08	3,560.20		31.04	0.00	3529.16
MW - 5	09/30/08	3,560.20		31.05	0.00	3529.15
MW - 5	10/07/08	3,560.20		31.09	0.00	3529.11
MW - 5	10/15/08	3,560.20		31.14	0.00	3529.06
MW - 5	10/22/08	3,560.20		31.12	0.00	3529.08
MW - 5	10/31/08	3,560.20		31.09	0.00	3529.11
MW - 5	11/04/08	3,560.20		31.05	0.00	3529.15
MW - 5	11/07/08	3,560.20		31.95	0.00	3528.25
MW - 5	11/14/08	3,560.20		31.15	0.00	3529.05
MW - 5	11/21/08	3,560.20		31.70	0.00	3528.50
MW - 5	11/24/08	3,560.20		31.01	0.00	3529.19
MW - 5	12/03/08	3,560.20		30.99	0.00	3529.21
MW - 5	12/16/08	3,560.20		30.99	0.00	3529.21
MW - 5	01/07/09	3,560.20	-	31.02	0.00	3529.18
MW - 5	01/16/09	3,560.20	-	31.01	0.00	3529.19
MW - 5	01/29/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	02/03/09	3,560.20	-	31.01	0.00	3529.19
MW - 5	02/09/09	3,560.20	-	30.97	0.00	3529.23
MW - 5	02/17/09	3,560.20	-	30.95	0.00	3529.25
MW - 5	02/26/09	3,560.20	-	30.97	0.00	3529.23
MW - 5	03/02/09	3,560.20	-	30.96	0.00	3529.24
MW - 5	03/05/09	3,560.20	-	31.02	0.00	3529.18
MW - 5	03/09/09	3,560.20	-	31.05	0.00	3529.15
MW - 5	03/16/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	03/18/09	3,560.20	-	31.06	0.00	3529.14
MW - 5	03/25/09	3,560.20	-	31.07	0.00	3529.13
MW - 5	03/27/09	3,560.20	-	31.00	0.00	3529.20
MW - 5	03/30/09	3,560.20	-	30.98	0.00	3529.22
MW - 5	04/06/09	3,560.20	-	31.04	0.00	3529.16

TABLE 1
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	04/13/09	3,560.20	-	31.01	0.00	3529.19
MW - 5	04/16/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	04/20/09	3,560.20	-	31.03	0.00	3529.17
MW - 5	04/23/09	3,560.20	-	31.00	0.00	3529.20
MW - 5	04/27/09	3,560.20	-	30.99	0.00	3529.21
MW - 5	04/30/09	3,560.20	-	31.04	0.00	3529.16
MW - 5	05/06/09	3,560.20	-	31.00	0.00	3529.20
MW - 5	05/21/09	3,560.20	-	31.05	0.00	3529.15
MW - 5	05/27/09	3,560.20	-	31.08	0.00	3529.12
MW - 5	06/04/09	3,560.20	-	31.12	0.00	3529.08
MW - 5	06/08/09	3,560.20	-	31.14	0.00	3529.06
MW - 5	06/11/09	3,560.20	-	31.03	0.00	3529.17
MW - 5	06/16/09	3,560.20	-	31.12	0.00	3529.08
MW - 5	06/22/09	3,560.20	-	31.18	0.00	3529.02
MW - 5	06/29/09	3,560.20	-	31.13	0.00	3529.07
MW - 5	07/02/09	3,560.20	-	31.19	0.00	3529.01
MW - 5	07/10/09	3,560.20	-	31.22	0.00	3528.98
MW - 5	07/15/09	3,560.20	-	31.14	0.00	3529.06
MW - 5	07/21/09	3,560.20		31.28	0.00	3528.92
MW - 5	07/29/09	3,560.20	-	31.13	0.00	3529.07
MW - 5	07/30/09	3,560.20	-	31.28	0.00	3528.92
MW - 5	08/03/09	3,560.20	-	31.33	0.00	3528.87
MW - 5	08/05/09	3,560.20	-	31.25	0.00	3528.95
MW - 5	08/07/09	3,560.20	-	31.33	0.00	3528.87
MW - 5	08/10/09	3,560.20	-	31.32	0.00	3528.88
MW - 5	08/19/09	3,560.20	-	31.35	0.00	3528.85
MW - 5	08/27/09	3,560.20	-	31.39	0.00	3528.81
MW - 5	08/31/09	3,560.20	-	31.40	0.00	3528.80
MW - 5	09/11/09	3,560.20	-	31.46	0.00	3528.74
MW - 5	09/17/09	3,560.20	-	31.47	0.00	3528.73
MW - 5	09/24/09	3,560.20	-	31.49	0.00	3528.71
MW - 5	09/29/09	3,560.20	-	31.54	0.00	3528.66
MW - 5	09/30/09	3,560.20	-	31.47	0.00	3528.73
MW - 5	10/06/09	3,560.20	-	31.56	0.00	3528.64
MW - 5	10/20/09	3,560.20	sheen	31.51	0.00	3528.69
MW - 5	10/27/09	3,560.20	-	32.57	0.00	3527.63
MW - 5	11/02/09	3,560.20	-	31.63	0.00	3528.57
MW - 5	11/05/09	3,560.20	-	31.55	0.00	3528.65
MW - 5	11/20/09	3,560.20			0.00	3560.20
MW - 5	12/04/09	3,560.20			0.00	3560.20
MW - 5	12/14/09	3,560.20	-	32.43	0.00	3527.77
MW - 5	01/07/10	3,560.20	-	31.61	0.00	3528.59

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 5	02/02/10	3,560.20	-	31.68	0.00	3528.52
MW - 5	03/01/10	3,560.20	-	31.71	0.00	3528.49
MW - 5	03/16/10	3,560.20	-	31.66	0.00	3528.54
MW - 5	04/16/10	3,560.20	-	31.72	0.00	3528.48
MW - 5	05/05/10	3,560.20	-	31.69	0.00	3528.51
MW - 5	06/07/10	3,560.20	-	31.79	0.00	3528.41
MW - 5	06/25/10	3,560.20	-	31.39	0.00	3528.81
MW - 5	08/04/10	3,560.20	-	31.70	0.00	3528.50
MW - 5	09/10/10	3,560.20	-	31.71	0.00	3528.49
MW - 5	11/03/10	3,560.20	-	31.71	0.00	3528.49
MW - 5	02/08/11	3,560.20	-	31.72	0.00	3528.48
MW - 5	05/16/11	3,560.20	-	31.74	0.00	3528.46
MW - 5	08/09/11	3,560.20	-	31.62	0.00	3528.58
MW - 5	10/31/11	3,560.20	-	31.71	0.00	3528.49
MW - 5	02/09/12	3,560.20	-	31.73	0.00	3528.47
MW - 5	05/21/12	3,560.20	-	31.85	0.00	3528.35
MW - 5	08/03/12	3,560.20	-	32.02	0.00	3528.18
MW - 5	12/12/12	3,560.20	-	32.18	0.00	3528.02
MW - 6	02/06/98	3,560.32	-	30.91	0.00	3529.41
MW - 6	03/04/98	3,560.32	-	30.86	0.00	3529.46
MW - 6	04/01/98	3,560.32	-	30.92	0.00	3529.40
MW - 6	02/28/00	3,560.32	-	32.05	0.00	3528.27
MW - 6	06/08/00	3,560.32	-	32.22	0.00	3528.10
MW - 6	09/18/00	3,560.32	-	32.44	0.00	3527.88
MW - 6	12/06/00	3,560.32	-	32.53	0.00	3527.79
MW - 6	03/08/01	3,560.32	-	32.44	0.00	3527.88
MW - 6	06/22/01	3,560.32	-	32.63	0.00	3527.69
MW - 6	09/18/01	3,560.32	-	32.84	0.00	3527.48
MW - 6	10/10/01	3,560.32	-	32.89	0.00	3527.43
MW - 6	02/28/02	3,560.32	-	32.89	0.00	3527.43
MW - 6	05/16/02	3,560.32	-	32.97	0.00	3527.35
MW - 6	09/16/02	3,560.32	-	33.20	0.00	3527.12
MW - 6	12/02/02	3,560.32	-	33.38	0.00	3526.94
MW - 6	06/17/03	3,560.32	-	33.47	0.00	3526.85
MW - 6	09/05/03	3,560.32	-	33.69	0.00	3526.63
MW - 6	12/16/03	3,560.32	-	33.65	0.00	3526.67
MW - 6	03/08/04	3,560.32	-	33.86	0.00	3526.46
MW - 6	05/25/04	3,560.32	-	33.74	0.00	3526.58
MW - 6	08/31/04	3,560.32	-	33.91	0.00	3526.41
MW - 6	12/13/04	3,560.32	-	32.75	0.00	3527.57
MW - 6	03/11/05	3,560.32	-	32.61	0.00	3527.71

TABLE 1
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 6	06/14/05	3,560.32	could not access well			
MW - 6	09/13/05	3,560.32	-	31.71	0.00	3528.61
MW - 6	12/07/05	3,560.32	-	31.43	0.00	3528.89
MW - 6	12/14/05	3,560.32	-	31.40	0.00	3528.92
MW - 6	03/14/06	3,560.32	-	31.21	0.00	3529.11
MW - 6	06/16/06	3,560.32	-	30.24	0.00	3530.08
MW - 6	09/05/06	3,560.32	-	31.29	0.00	3529.03
MW - 6	11/14/06	3,560.32	-	31.06	0.00	3529.26
MW - 6	02/13/07	3,560.32	-	30.97	0.00	3529.35
MW - 6	05/10/07	3,560.32	-	30.82	0.00	3529.50
MW - 6	08/20/07	3,560.32	-	30.92	0.00	3529.40
MW - 6	11/02/07	3,560.32	-	30.89	0.00	3529.43
MW - 6	02/06/08	3,560.32	-	30.89	0.00	3529.43
MW - 6	05/06/08	3,560.32	-	30.90	0.00	3529.42
MW - 6	08/07/08	3,560.32	-	31.22	0.00	3529.10
MW - 6	11/04/08	3,560.32	-	31.27	0.00	3529.05
MW - 6	02/03/09	3,560.32	-	31.24	0.00	3529.08
MW - 6	05/06/09	3,560.32	-	31.24	0.00	3529.08
MW - 6	08/03/09	3,560.32	-	31.54	0.00	3528.78
MW - 6	11/02/09	3,560.32	-	31.82	0.00	3528.50
MW - 6	01/07/10	3,560.32	-	31.79	0.00	3528.53
MW - 6	02/02/10	3,560.32	-	31.89	0.00	3528.43
MW - 6	05/05/10	3,560.32	-	31.83	0.00	3528.49
MW - 6	08/04/10	3,560.32	-	31.82	0.00	3528.50
MW - 6	11/03/10	3,560.32	-	31.85	0.00	3528.47
MW - 6	02/08/11	3,560.32	-	31.87	0.00	3528.45
MW - 6	05/16/11	3,560.32	-	31.85	0.00	3528.47
MW - 6	08/09/11	3,560.32	-	31.84	0.00	3528.48
MW - 6	10/31/11	3,560.32	-	31.97	0.00	3528.35
MW - 6	02/09/12	3,560.32	-	32.00	0.00	3528.32
MW - 6	05/21/12	3,560.32	-	32.12	0.00	3528.20
MW - 6	08/03/12	3,560.32	-	32.27	0.00	3528.05
MW - 6	12/12/12	3,560.32	-	32.44	0.00	3527.88
MW - 7	02/06/98	3,561.07	-	31.62	0.00	3529.45
MW - 7	03/04/98	3,561.07	-	31.60	0.00	3529.47
MW - 7	04/01/98	3,561.07	-	31.63	0.00	3529.44
MW - 7	02/28/00	3,561.07	-	32.71	0.00	3528.36
MW - 7	06/08/00	3,561.07	-	32.83	0.00	3528.24
MW - 7	09/18/00	3,561.07	-	33.08	0.00	3527.99
MW - 7	12/06/00	3,561.07	-	33.19	0.00	3527.88
MW - 7	03/08/01	3,561.07	-	33.10	0.00	3527.97

TABLE 1
GROUNDWATER ELEVATION DATA
PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	06/22/01	3,561.07	-	33.25	0.00	3527.82
MW - 7	09/18/01	3,561.07	-	33.48	0.00	3527.59
MW - 7	10/10/01	3,561.07	-	33.54	0.00	3527.53
MW - 7	02/28/02	3,561.07	-	33.54	0.00	3527.53
MW - 7	05/16/02	3,561.07	-	33.57	0.00	3527.50
MW - 7	09/16/02	3,561.07	-	33.85	0.00	3527.22
MW - 7	12/12/02	3561.07	-	34.00	0.00	3527.07
MW - 7	12/16/03	3561.07	-	34.46	0.00	3526.61
MW - 7	03/08/04	3561.07	-	34.50	0.00	3526.57
MW - 7	05/25/04	3561.07	-	34.37	0.00	3526.70
MW - 7	08/31/04	3561.07	-	34.56	0.00	3526.51
MW - 7	12/13/04	3561.07	-	33.30	0.00	3527.77
MW - 7	03/11/05	3561.07	-	33.06	0.00	3528.01
MW - 7	06/14/05	3,561.07	-	32.62	0.00	3528.45
MW - 7	09/13/05	3,561.07	-	32.37	0.00	3528.70
MW - 7	12/07/05	3,561.07	-	32.10	0.00	3528.97
MW - 7	12/14/05	3,561.07	-	32.07	0.00	3529.00
MW - 7	03/14/06	3,561.07	-	31.89	0.00	3529.18
MW - 7	06/16/06	3,561.07	-	31.92	0.00	3529.15
MW - 7	09/05/06	3,561.07	-	31.98	0.00	3529.09
MW - 7	11/14/06	3,561.07	-	31.75	0.00	3529.32
MW - 7	02/13/07	3,561.07	-	31.66	0.00	3529.41
MW - 7	05/10/07	3,561.07	-	31.54	0.00	3529.53
MW - 7	08/20/07	3,561.07	-	31.61	0.00	3529.46
MW - 7	11/02/07	3,561.07	-	31.61	0.00	3529.46
MW - 7	02/06/08	3,561.07	-	31.58	0.00	3529.49
MW - 7	05/06/08	3,561.07	-	31.62	0.00	3529.45
MW - 7	08/07/08	3,561.07	-	31.94	0.00	3529.13
MW - 7	11/04/08	3,561.07	-	31.99	0.00	3529.08
MW - 7	02/03/09	3,561.07	-	31.95	0.00	3529.12
MW - 7	05/06/09	3,561.07	-	31.93	0.00	3529.14
MW - 7	08/03/09	3,561.07	-	32.25	0.00	3528.82
MW - 7	11/02/09	3,561.07	-	32.54	0.00	3528.53
MW - 7	01/07/10	3,561.07	-	32.53	0.00	3528.54
MW - 7	02/02/10	3,561.07	-	32.61	0.00	3528.46
MW - 7	05/05/10	3,561.07	-	32.63	0.00	3528.44
MW - 7	08/04/10	3,561.07	-	32.63	0.00	3528.44
MW - 7	11/03/10	3,561.07	-	32.62	0.00	3528.45
MW - 7	02/08/11	3,561.07	-	32.86	0.00	3528.21
MW - 7	05/16/11	3,561.07	-	32.89	0.00	3528.18
MW - 7	08/09/11	3,561.07	-	32.91	0.00	3528.16
MW - 7	10/31/11	3,561.07	-	32.67	0.00	3528.40

TABLE 1
GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	02/09/12	3,561.07	-	32.70	0.00	3528.37
MW - 7	05/21/12	3,561.07	-	32.83	0.00	3528.24
MW - 7	08/03/12	3,561.07	-	32.96	0.00	3528.11
MW - 7	12/12/12	3,561.07	-	33.16	0.00	3527.91
MW - 8	11/08/04	3561.07	-	33.84	0.00	3527.23
MW - 8	11/10/04	3,561.07	-	33.83	0.00	3527.24
MW - 8	11/17/04	3,561.07	33.82	33.88	0.06	3527.24
MW - 8	12/15/04	3,561.07	sheen	33.51	0.00	3527.56

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.750	0.750	0.620	
MW - 1	5/2/1997	ND	ND	ND	ND	
MW - 1	05/09/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	07/23/97	ND	ND	ND	0.0010	
MW - 1	10/07/97	ND	ND	ND	ND	
MW - 1	10/10/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	01/07/98	ND	ND	ND	ND	
MW - 1	04/01/98	ND	ND	ND	ND	
MW - 1	09/08/99	0.002	0.0010	<0.001	<0.001	0.004
MW - 1	02/28/00	0.001	0.0010	<0.001	<0.001	<0.001
MW - 1	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/18/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 1	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/28/02	0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/12/02	0.011	<0.001	0.002	<0.001	<0.001
MW - 1	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 1	03/11/05	<0.001	<0.001	<0.001	<0.001	
MW - 1	06/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 1	09/13/05	Not Sampled on Current Sample Schedule				
MW - 1	12/14/05	<0.005	<0.005	<0.005	<0.005	
MW - 1	03/14/06	Not Sampled on Current Sample Schedule				
MW - 1	06/16/06	Not Sampled on Current Sample Schedule				
MW - 1	09/05/06	Not Sampled on Current Sample Schedule				
MW - 1	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/13/07	Not Sampled on Current Sample Schedule				
MW - 1	05/10/07	Not Sampled on Current Sample Schedule				
MW - 1	08/20/07	Not Sampled on Current Sample Schedule				
MW - 1	11/02/07	<0.001	<0.001	<0.001	0.0010	
MW - 1	02/06/08	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 2
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	
MW - 1	05/06/08	Not Sampled on Current Sample Schedule					
MW - 1	08/07/08	Not Sampled on Current Sample Schedule					
MW - 1	11/04/08	<0.001	<0.001	0.00120	<0.001		
MW - 1	05/06/09	Not Sampled on Current Sample Schedule					
MW - 1	08/03/09	Not Sampled on Current Sample Schedule					
MW - 1	11/02/09	Not Sampled on Current Sample Schedule					
MW - 1	05/05/10	<0.001	<0.001	<0.001	<0.001		
MW - 1	08/04/10	Not Sampled on Current Sample Schedule					
MW - 1	11/03/10	Not Sampled on Current Sample Schedule					
MW - 1	02/08/11	Not Sampled on Current Sample Schedule					
MW - 1	05/06/11	<0.001	<0.001	<0.001	<0.001		
MW - 1	08/09/11	Not Sampled on Current Sample Schedule					
MW - 1	10/31/11	Not Sampled on Current Sample Schedule					
MW - 1	02/09/12	Not Sampled on Current Sample Schedule					
MW - 1	10/31/11	<0.001	<0.001	<0.001	<0.001		
MW - 1	02/09/12	Not Sampled on Current Sample Schedule					
MW - 1	05/21/12	Not Sampled on Current Sample Schedule					
MW - 1	12/12/12	<0.001	<0.001	<0.001	<0.001		
MW - 2	12/13/04	<0.005	<0.005	<0.005	<0.005		
MW - 2	03/11/05	0.031	<0.005	0.038	0.0633		
MW - 2	06/14/05	0.047	0.0056	0.063	0.0719		
MW - 2	09/13/05	Not Sampled					
MW - 2	12/14/05	0.0102	<0.005	0.080	0.0726		
MW - 2	03/14/06	0.0134	<0.01	0.075	0.0547		
MW - 2	06/16/06	0.0275	<0.02	0.077	0.0430		
MW - 2	09/05/06	0.0124	0.0031	0.110	0.0731		
MW - 2	11/14/06	<0.001	0.0019	0.098	0.0731		
MW - 2	02/13/07	0.0160	0.0464	0.143	0.3500		
MW - 2	05/10/07	<0.001	<0.001	0.027	0.0142		
MW - 2	08/20/07	0.0214	<0.001	0.111	0.0887		
MW - 2	11/02/07	<0.005	<0.005	0.115	0.0833		
MW - 2	02/06/08	0.0103	0.0054	0.105	0.0859		
MW - 2	05/06/08	0.0352	<0.005	0.127	0.0861		
MW - 2	08/07/08	<0.005	<0.005	0.0819	0.0509		
MW - 2	11/04/08	0.0143	<0.0100	0.0861	0.0500		
MW - 2	05/06/09	0.0170	0.0133	0.1150	0.0719		
MW - 2	08/03/09	0.0095	0.0076	0.1030	0.0568		
MW - 2	11/02/09	0.0101	<0.010	0.0818	0.0388		
MW - 2	05/05/10	0.0141	<0.005	0.0743	0.0420		
MW - 2	08/04/10	<0.001	0.0148	0.1190	0.0586		
MW - 2	11/03/10	0.0109	0.0040	0.0821	0.0291		

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 2
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 2	02/08/11	0.0142	<0.001	0.0828	0.0395	
MW - 2	05/06/11	0.0150	<0.001	0.0726	0.0335	
MW - 2	08/09/11	0.0148	<0.001	0.1030	0.0287	
MW - 2	10/31/11	0.0090	<0.001	0.0727	0.0156	
MW - 2	02/09/12	0.0073	<0.001	0.0564	0.0112	
MW - 2	05/21/12	0.0112	<0.001	0.0586	0.0424	
MW - 2	08/03/12	0.0116	<0.001	0.0422	0.0470	
MW - 2	12/12/12	<0.005	<0.005	0.0332	<0.005	
MW - 3	05/02/97	ND	ND	ND	ND	
MW - 3	05/09/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	07/23/97	ND	ND	ND	ND	
MW - 3	10/07/97	ND	ND	ND	ND	
MW - 3	10/10/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	01/07/98	ND	ND	ND	ND	
MW - 3	04/01/98	ND	ND	ND	ND	
MW - 3	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 3	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/12/02	0.020	<0.001	0.002	<0.001	<0.001
MW - 3	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	05/25/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	08/31/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/11/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	06/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	09/13/05	Not Sampled on Current Sample Schedule				
MW - 3	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/14/06	Not Sampled on Current Sample Schedule				
MW - 3	06/16/06	Not Sampled on Current Sample Schedule				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 2
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 3	09/05/06	Not Sampled on Current Sample Schedule				
MW - 3	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/13/07	Not Sampled on Current Sample Schedule				
MW - 3	05/10/07	Not Sampled on Current Sample Schedule				
MW - 3	08/20/07	Not Sampled on Current Sample Schedule				
MW - 3	11/02/07	0.114	0.0123	0.004	0.0167	
MW - 3	02/06/08	0.0931	<0.005	0.006	0.0107	
MW - 3	05/06/08	0.0146	<0.001	<0.001	0.0018	
MW - 3	08/07/08	0.0095	<0.001	<0.001	<0.001	
MW - 3	11/04/08	0.0012	<0.001	<0.001	<0.001	
MW - 3	02/03/09	<0.001	<0.001	<0.001	0.0011	
MW - 3	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/09/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	05/21/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	12/12/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	09/17/97	ND	ND	ND	ND	
MW - 4	09/26/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	10/07/97	ND	ND	ND	ND	
MW - 4	10/10/97	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	01/07/98	ND	ND	ND	ND	
MW - 4	04/01/98	ND	ND	ND	ND	
MW - 4	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/18/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 4	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 4	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	05/16/02	<0.01	<0.001	<0.001	<0.001	<0.001
MW - 4	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/12/02	0.003	<0.001	<0.001	<0.001	<0.001
MW - 4	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 4	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 4	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 4	03/11/05	Not Sampled on Current Sample Schedule				
MW - 4	06/14/05	<0.001	<0.001	0.002	<0.001	
MW - 4	09/13/05	Not Sampled on Current Sample Schedule				
MW - 4	12/14/05	<0.001	<0.001	0.002	<0.001	
MW - 4	03/14/06	Not Sampled on Current Sample Schedule				
MW - 4	06/16/06	<0.001	<0.001	0.001	<0.001	
MW - 4	09/05/06	Not Sampled on Current Sample Schedule				
MW - 4	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/13/07	Not Sampled on Current Sample Schedule				
MW - 4	05/10/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/20/07	Not Sampled on Current Sample Schedule				
MW - 4	11/02/07	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/06/08	Not Sampled on Current Sample Schedule				
MW - 4	05/06/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/07/08	Not Sampled on Current Sample Schedule				
MW - 4	11/04/08	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/03/09	Not Sampled on Current Sample Schedule				
MW - 4	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/03/09	Not Sampled on Current Sample Schedule				
MW - 4	11/02/09	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/02/10	Not Sampled on Current Sample Schedule				
MW - 4	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/04/10	Not Sampled on Current Sample Schedule				
MW - 4	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/08/11	Not Sampled on Current Sample Schedule				
MW - 4	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	08/09/11	Not Sampled on Current Sample Schedule				
MW - 4	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 4	02/09/12	Not Sampled on Current Sample Schedule				
MW - 4	05/21/12	<0.001	<0.001	<0.001	<0.001	
MW - 4	12/12/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	09/17/97	0.002	ND	0.002	0.0050	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 2
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 5	09/26/97	0.002	<0.001	0.002	0.0030	0.002
MW - 5	10/07/97	0.011	0.0040	0.015	0.0470	
MW - 5	10/10/97	0.011	0.0040	0.015	0.0370	0.010
MW - 5	01/07/98	0.013	ND	0.030	0.0420	
MW - 5	04/01/98	0.011	0.0050	0.050	0.0360	
MW - 5	12/12/02	<0.001	<0.001	0.001	0.0020	<0.001
MW - 5	12/13/04	<0.005	0.00640	0.072	0.1120	
MW - 5	03/11/05	<0.005	<0.005	0.00790	<0.005	
MW - 5	06/14/05	<0.005	<0.005	0.00510	<0.005	
MW - 5	09/13/05	Not Sampled				
MW - 5	12/14/05	<0.001	<0.001	0.007	<0.001	
MW - 5	03/14/06	<0.005	<0.005	0.007	<0.005	
MW - 5	06/16/06	<0.001	<0.001	0.007	<0.001	
MW - 5	09/05/06	<0.001	<0.001	0.004	0.0028	
MW - 5	11/14/06	<0.001	<0.001	0.006	<0.001	
MW - 5	02/13/07	<0.001	<0.001	0.004	0.0035	
MW - 5	05/10/07	<0.001	<0.001	0.002	<0.001	
MW - 5	08/20/07	0.020	<0.001	<0.001	<0.001	
MW - 5	11/02/07	0.0031	<0.001	<0.001	<0.001	
MW - 5	02/06/08	0.0115	<0.005	<0.005	<0.005	
MW - 5	05/06/08	0.0155	<0.001	<0.001	<0.001	
MW - 5	08/07/08	<0.005	<0.005	<0.005	<0.005	
MW - 5	11/04/08	0.0015	<0.001	<0.001	<0.001	
MW - 5	02/03/09	0.0011	<0.001	<0.001	<0.001	
MW - 5	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/02/09	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/08/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 5	02/09/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	05/21/12	0.0011	<0.001	<0.001	<0.001	
MW - 5	08/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 5	12/12/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	04/01/98	ND	ND	ND	ND	
MW - 6	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 6	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/18/00	0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 6	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/12/02	0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	06/17/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	09/05/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 6	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 6	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/11/05	Not Sampled on Current Sample Schedule				
MW - 6	06/14/05	Not Sampled on Current Sample Schedule				
MW - 6	09/13/05	Not Sampled on Current Sample Schedule				
MW - 6	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 6	03/14/06	Not Sampled on Current Sample Schedule				
MW - 6	06/16/06	Not Sampled on Current Sample Schedule				
MW - 6	09/05/06	Not Sampled on Current Sample Schedule				
MW - 6	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/13/07	Not Sampled on Current Sample Schedule				
MW - 6	05/10/07	Not Sampled on Current Sample Schedule				
MW - 6	08/20/07	Not Sampled on Current Sample Schedule				
MW - 6	11/02/07	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/19/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/06/08	0.002	<0.001	<0.001	<0.001	
MW - 6	08/07/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/04/08	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/06/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/03/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/02/09	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/02/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/05/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/04/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	11/03/10	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/08/11	<0.001	<0.001	<0.001	<0.001	

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
MONUMENT 2
LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 6	05/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/09/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	10/31/11	<0.001	<0.001	<0.001	<0.001	
MW - 6	02/09/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	05/21/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	08/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 6	12/12/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	04/01/98	ND	ND	ND	ND	
MW - 7	09/08/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/08/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/18/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	06/22/01	<0.005	<0.005	<0.005	<0.005	
MW - 7	09/18/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	12/12/02	0.002	<0.001	<0.001	<0.001	<0.001
MW - 7	12/16/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	03/08/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/13/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/11/05	Not Sampled on Current Sample Schedule				
MW - 7	06/14/05	Not Sampled on Current Sample Schedule				
MW - 7	09/13/05	Not Sampled on Current Sample Schedule				
MW - 7	12/14/05	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/14/06	Not Sampled on Current Sample Schedul				
MW - 7	06/16/06	Not Sampled on Current Sample Schedule				
MW - 7	09/05/06	Not Sampled on Current Sample Schedule				
MW - 7	11/14/06	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/13/07	Not Sampled on Current Sample Schedule				
MW - 7	05/10/07	Not Sampled on Current Sample Schedule				
MW - 7	08/20/07	Not Sampled on Current Sample Schedule				
MW - 7	11/02/07	0.0052	<0.001	<0.001	<0.001	
MW - 7	02/06/08	Not Sampled on Current Sample Schedule				
MW - 7	05/06/08	Not Sampled on Current Sample Schedule				
MW - 7	08/07/08	Not Sampled on Current Sample Schedule				
MW - 7	11/04/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/03/09	<0.001	<0.001	<0.001	<0.001	

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CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 2
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE	
MW - 7	05/06/09	Not Sampled on Current Sample Schedule					
MW - 7	08/03/09	Not Sampled on Current Sample Schedule					
MW - 7	11/02/09	<0.001	<0.001	<0.001	<0.001		
MW - 7	02/02/10	<0.001	<0.001	<0.001	<0.001		
MW - 7	05/05/10	Not Sampled on Current Sample Schedule					
MW - 7	08/04/10	Not Sampled on Current Sample Schedule					
MW - 7	11/03/10	<0.001	<0.001	<0.001	<0.001		
MW - 7	02/08/11	Not Sampled on Current Sample Schedule					
MW - 7	05/16/11	Not Sampled on Current Sample Schedule					
MW - 7	08/09/11	Not Sampled on Current Sample Schedule					
MW - 7	10/31/11	<0.001	<0.001	<0.001	<0.001		
MW - 7	02/09/12	Not Sampled on Current Sample Schedule					
MW - 7	05/21/12	Not Sampled on Current Sample Schedule					
MW - 7	12/12/12	<0.001	<0.001	<0.001	<0.001		
MW - 8	11/10/04	0.138	<0.005	0.075	0.1790		
MW - 8	03/11/05	0.115	<0.05	<0.05	0.0855		
MW - 8	06/14/05	0.165	0.0270	0.109	0.2710		
MW - 8	09/13/05	Not sampled					
MW - 8	12/14/05	0.102	0.0238	<0.01	0.1410		
MW - 8	03/14/06	0.144	0.0545	0.129	0.3290		
MW - 8	06/16/06	0.196	0.0405	0.131	0.2850		
MW - 8	09/05/06	0.127	0.0437	0.126	0.3490		
MW - 8	11/14/06	0.116	0.0333	0.123	0.2950		
MW - 8	02/13/07	0.130	0.0464	0.143	0.3500		
MW - 8	05/10/07	0.091	0.0378	0.118	0.3440		
MW - 8	08/20/07	0.141	0.0362	0.174	0.4240		
MW - 8	11/02/07	0.096	0.0252	0.150	0.3430		
MW - 8	02/06/08	0.0683	0.0099	0.113	0.2250		
MW - 8	05/06/08	0.1760	0.0196	0.159	0.2760		
MW - 8	08/07/08	0.0687	<0.001	0.109	0.2170		
MW - 8	11/04/08	0.0847	0.0019	0.127	0.1640		
MW - 8	02/03/09	0.0625	0.0057	0.136	0.2470		
MW - 8	05/06/09	0.0312	<0.001	0.102	0.1280		
MW - 8	08/03/09	0.0406	<0.001	0.135	0.2010		
MW - 8	11/02/09	0.0334	<0.001	0.122	0.2150		
MW - 8	02/02/10	0.0541	<0.001	0.104	0.1560		
MW - 8	05/05/10	0.0432	<0.001	0.099	0.1620		
MW - 8	08/04/10	0.0284	0.0087	0.112	0.2280		
MW - 8	11/03/10	0.1330	<0.001	0.083	0.0916		
MW - 8	02/08/11	0.0531	<0.001	0.120	0.1870		
MW - 8	05/16/11	0.0486	<0.001	0.104	0.1270		

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CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 MONUMENT 2
 LEA COUNTY, NEW MEXICO

All concentrations are reported in mg/L.

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
MW - 8	08/09/11	0.0637	<0.001	0.154	0.1960	
MW - 8	10/31/11	0.0389	<0.001	0.114	0.1360	
MW - 8	02/09/12	0.0441	<0.001	0.109	0.1300	
MW - 8	05/21/12	0.0076	0.0014	0.101	0.1750	
MW - 8	08/03/12	<0.001	<0.001	<0.001	<0.001	
MW - 8	12/12/12	<0.005	<0.005	0.0632	0.0741	
EB - 1	12/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
	03/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
	06/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
	10/10/01	<0.001	<0.001	<0.001	<0.001	<0.001
	05/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	09/16/02	<0.001	<0.001	<0.001	<0.001	<0.001
	12/12/02	<0.001	<0.001	<0.001	<0.001	<0.001