

3R - 124

**ANNUAL
MONITORING
REPORT**

03/07/2008



March 7, 2008

Mr. Glenn von Gonten
Hydrologist-Groundwater Remediation
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Annual Groundwater Remediation Reports

Dear Mr. von Gonten,

XTO Energy Inc. (XTO) is submitting the Annual Groundwater Remediation Reports in accordance with the NMOCD approved Groundwater Management Plan (GMP). Enclosed are summary reports with analytical data, summary tables, site maps, potentiometric surface diagrams and recommendations/proposed actions for:

- Bruington Gas Com #1- 3RP106
- Carson Gas Com #1E
- EJ Johnson C #1E- 3RP385
- Federal Gas Com #H1 3R 110
- Frost, Jack B #2
- McCoy GC D #1E
- OH Randel #7- 3RP386
- PO Pipken #3E 3R 409
- ✓ • Rowland Gas Com #1- 3RP124
- Snyder Gas Com #1A- 3RP126
- Sullivan Gas Com D #1- 3RP131
- Valdez A #1E- 3RP134

We have also enclosed an Annual Report for ten sites that meet the closure requirements outlined in the GMP. XTO respectfully requests closure of:

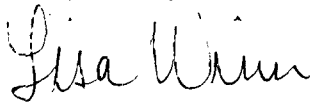
- Baca Gas Com A #1A- 3RP104
- Garcia Gas Com B #1- 3RP111
- Haney Gas Com B #1E- 3RP113
- Hare Gas Com B #1
- Hare Gas Com B #1E- 3RP384
- Hare Gas Com I #1
- Masden Gas Com #1E- 3RP120
- McDaniel Gas Com B #1E- 3RP121
- Stedje Gas Com #1- 3RP128
- Sullivan Frame A #1E- 3RP130

In previously submitted reports five sites met the closure requirements outlined in the GMP and XTO requested closure on those sites in 2006 and 2007. The reports for the below listed sites are being submitted again for your review.

- Abrams J #1- 3RP100
- Armenta Gas Com C #1E- 3RP394
- Bergin Gas Com #1E- 3RP105
- Romero Gas Com A #1- 3RP123
- State Gas Com BS #1- 3RP127

Thank you for your review of the reports. XTO looks forward to hearing from you regarding closure requests and proposed remediation actions. If you have any questions please do not hesitate to contact me at (505) 333-3100.

Respectfully,



Lisa Winn
EH & S Manager
San Juan Division

cc: Mr. Brandon Powell, Environmental, NMOCD District III Office, Aztec, NM
Mr. Martin Nee, Lodestar Services Inc.
File- San Juan Groundwater

3R124

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

***ROWLAND GAS COM #1
(P) SECTION 25 – T30N – R12W, NMPM
SAN JUAN COUNTY, NEW MEXICO***

***PREPARED FOR:
MR. GLENN VON GONTEN
NEW MEXICO OIL CONSERVATION DIVISION***

January 2008

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Appendices

Table 1:	Summary Groundwater Laboratory Results
Table 2:	General Water Chemistry Laboratory Results
Figure 1:	Site Map
Figures 2 - 4:	Potentiometric Surface Diagrams
Attachment 1:	2007 Laboratory Reports

2007 XTO GROUNDWATER REPORT

ROWLAND GAS COM #1

SITE DETAILS

LEGALS - TWN: 30N
LAND TYPE: FEE

RNG: 12W

SEC: 25

UNIT: P

PREVIOUS ACTIVITIES

Excavation: Jun-96

Soil Boring: Jun-96

Monitoring Wells: Jun-96

Quarterly Sampling Initiated: Jun-96

SITE MAP

A site map is presented as Figure 1.

SUMMARY TABLES

A summary of laboratory results from historical and current groundwater monitoring is presented as Table 1. General water quality data from 1999 is included as Table 2. Copies of the laboratory data sheets and associated quality assurance/quality control data for 2007 are presented as Attachment 1.

POTENTIOMETRIC SURFACE DIAGRAMS

Field data collected during site monitoring activities indicates a groundwater gradient that trends southeast and is likely influenced by a nearby irrigation ditch located immediately west of the location. Figures 2 - 4 illustrate the estimated groundwater gradient observed in 2006 and 2007.

ANNUAL GROUNDWATER REMEDIATION REPORT

The 2005 annual groundwater report was submitted to New Mexico Oil Conservation Division (NMOCD) in January 2006, requesting termination of sampling for BTEX in all monitoring wells except MW-5. Annual sampling was proposed for BTEX in monitoring well MW-5, in accordance with the NMOCD approved Groundwater Management Plan.

The 2006 annual groundwater report was submitted to NMOCD in February 2007, proposing continued annual sampling of MW-5 for benzene, toluene, ethyl benzene and total xylenes (BTEX) until the groundwater is naturally attenuated below closure standards. Quarterly sampling will be conducted once groundwater is below New Mexico Water Quality Control Commission (NMWQCC) standards in MW-5, until site closure is achieved.

2007 ACTIVITIES

Annual groundwater samples were collected and submitted for laboratory analysis of BTEX in MW-5 in June 2007. The results indicate natural attenuation is occurring but still exceeds NMWQCC standards for BTEX constituents.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No Bore/Test Hole Reports are presented in this report.

2007 XTO GROUNDWATER REPORT

DISPOSITION OF GENERATED WASTES

Waste generated (groundwater) during monitoring well sampling and development was placed in the produced water tank located on the well site.

CONCLUSIONS

January 1998 XTO acquired the Rowland Gas Com #1 from Amoco Production Company. With the exception of monitoring well MW-5, analyses of groundwater monitoring wells have shown no detectable levels or trace levels of hydrocarbons since the wells were installed. Laboratory analysis of groundwater from MW-4 has been below equipment detection levels since June 2000. Analytical data from up-gradient monitoring well MW-5 indicate elevated levels of hydrocarbons that exceed the NMWQCC closure standards. It is possible an additional source associated with the gas purchasers meter house (a historical dehydrator unit with an associated pit) may exist. XTO requests the NMOCD notify the gas purchaser that impacts to groundwater may potentially be present in the area of the purchaser's meter house.

Laboratory results of MW-5 for 2007 indicate natural attenuation is occurring. To verify natural degradation of hydrocarbon constituents, semi-annual groundwater samples were collected in December 2007. At this time the well was very low and the change in the analytical results is being attributed to the low water volume. XTO proposes quarterly sampling to monitor groundwater attenuation

RECOMMENDATIONS

- Quarterly sampling is proposed in 2007 to monitor groundwater attenuation until the well is below New Mexico groundwater standards for four (4) consecutive quarters.
- Following OCD approval for closure, all monitoring well locations will be abandoned in accordance with the monitoring well abandonment plan.

TABLE 1

XTO ENERGY INC. GROUNDWATER LAB RESULTS

ROWLAND GC #1- PROD. TANK & SEP. PITS
UNIT P, SEC. 25, T30N, R12W

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	BTEX EPA Method 801 (PPB)			
					Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylene (ug/L)
14-Jun-96	MW #1	16.11	25.00		ND	ND	ND	ND
14-Jun-96	MW #2	15.44	20.00		ND	1.19	ND	3.41
26-May-99		15.30			NA	NA	NA	NA
14-Jun-96	MW #3	14.39	20.00		ND	ND	ND	ND
26-May-99		15.29			ND	NA	NA	NA
30-Jun-00		15.51			ND	ND	ND	ND
28-Jun-06		13.81			NO RECOVERY			
14-Jun-96	MW #4	13.72	19.00		94.3	2.71	ND	106.4
24-Jun-97		14.02	19.00		44.7	0.5	0.4	3
26-Jun-98	MW #4R	11.52	19.09		13.4	ND	ND	0.6
26-May-99		11.28			16.4	0.9	2.1	72.2
30-Jun-00		11.69			ND	ND	ND	ND
16-May-01		13.07			ND	ND	ND	ND
25-Sep-01		11.81			ND	ND	ND	ND
19-Dec-01		12.66			ND	ND	ND	ND
19-Feb-02		13.97			ND	ND	ND	ND
28-Jun-06		9.87	19.00		NO RECOVERY			
14-Jun-96	MW #5	10.40	16.90		25.4	732	953	9,070
24-Jun-97		10.27	15.00		58.8	2.5	2.8	6,290
26-Jun-98		10.34	15.00		1,270	89	41.4	3,200
26-May-99		10.03			174	129	252	990
30-Jun-00		10.78			38	6.4	750	6,390
16-May-01		12.52			49	34	700	4,480
26-Jun-02		10.87			84	ND	630	3,460
30-Jun-03		10.96			51	ND	420	2,600
21-Jun-04		9.85			39	19	490	1,200
27-Jun-05		9.32			18	44	420	1,900
28-Jun-06		9.35	15.23		60	ND	360	1,500
15-Jun-07		8.51	15.23		55	ND	240	620
26-Dec-07		10.17	15.23		ND	ND	ND	ND
24-Jun-97	MW #6	15.55	25.00		ND	0.6	0.5	5.4
26-May-99		15.79			NA	NA	NA	NA
30-Jun-00		15.90			ND	ND	ND	ND
28-Jun-06		13.59			NO RECOVERY			
NMWQCC GROUNDWATER STANDARDS					10	750	750	620

TABLE 2

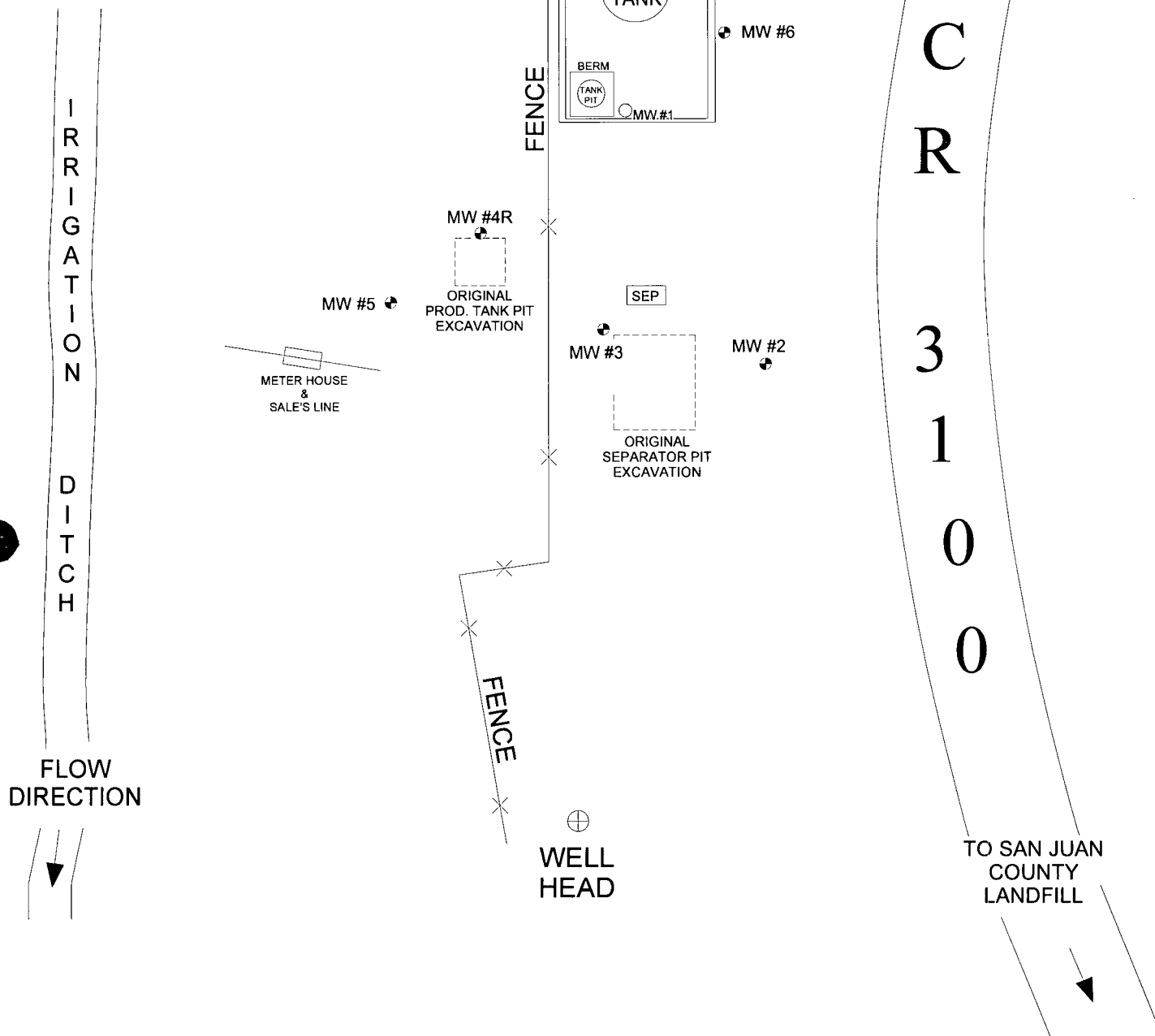
XTO ENERGY INC. GROUNDWATER LAB RESULTS

ROWLAND GC #1- PROD. TANK & SEP. PITS UNIT P, SEC. 25, T30N, R12W
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Sample Date: May 26, 1999

PARAMETERS	MW #2	MW #3	MW #4R	MW #5	MW #6	UNITS
LAB Ph	7.35	7.11	7.06	7.52	7.67	s.u.
LAB CONDUCTIVITY @ 25 C	18,500	3,200	2,250	2,050	20,420	umhos/cm
TOTAL DISSOLVED SOLIDS @ 180 C	9,200	1,550	1,110	1,016	10,200	mg/L
TOTAL DISSOLVED SOLIDS (Calc)	9,111	1,480	1,076	1,010	10,026	mg/L
SODIUM ABSORPTION RATIO	34.8	5.3	2.7	0.2	30.6	ratio
TOTAL ALKALINITY AS CaCO ₃	536	496	576	880	352	mg/L
TOTAL HARDNESS AS CaCO ₃	1,048	560	584	872	1,456	mg/L
BICARBONATE AS HCO ₃	536	496	576	880	352	mg/L
CARBONATE AS CO ₃	< 1	< 1	< 1	< 1	< 1	mg/L
HYDROXIDE AS OH	< 1	< 1	< 1	< 1	< 1	mg/L
NITRATE NITROGEN	190	6.6	0.4	0.3	220	mg/L
NITRITE NITROGEN	0.214	0.083	0.027	0.016	0.94	mg/L
CHLORIDE	644	188	160	112	560	mg/L
FLUORIDE	1.43	0.48	0.67	0.36	1.54	mg/L
PHOSPHATE	0.5	0.7	0.1	2	0.4	mg/L
SULFATE	4,980	490	200	21	5,800	mg/L
IRON	0.001	0.017	0.003	0.519	0.012	mg/L
CALCIUM	298	160	179	285	477	mg/L
MAGNESIUM	74.2	9.1	33.2	39.1	64.5	mg/L
POTASSIUM	7.5	4.0	3.0	1.1	7.5	mg/L
SODIUM	2,590	290	150	15	2,680	mg/L
CATION/ANION DIFFERENCE	0.03	0.54	0.56	0.02	0.07	%

FIGURE 1



MONITOR WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

ONE INCH = 50 FEET

0 50 100 FT.

XTO ENERGY INC.

ROWLAND GC #1

NE/4 NW/4 SEC. 25, T30N. R12W, NMPM

SAN JUAN COUNTY, NEW MEXICO

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

PHONE: (505) 632-1199

PROJECT: MW SAMPLING

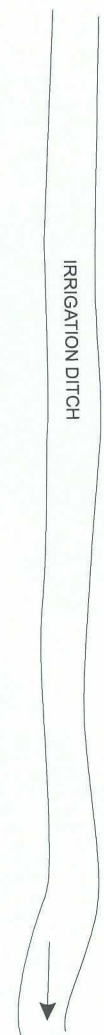
DRAWN BY: NJV

FILENAME: 05-26-99-SM.SKF

REVISED: 10/14/05 NJV

**SITE
MAP**

05/99



FLOW
DIRECTION

ORIGINAL
PRODUCT TANK PIT
EXCAVATION

MW-5
TOC = 97.65
GWEL = 88.30

METER RUN

MW-4R
TOC = 98.07
GWEL = 88.20

MW-3
TOC = 101.68
GWEL = 87.87

SEP

ORIGINAL
SEPARATOR PIT
EXCAVATION



WELL HEAD

FENCE

FENCE

BERM

PROD
TANK

BERM

TANK
PIT

CR 3100

88.50

MW-6
TOC = 101.85
GWEL = 88.26

88.00

87.50

FLOW = 0.009

MONITORING WELL LOCATIONS ARE ONLY AS ACCURATE
AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE
AND BEARING FROM THE WELL HEAD (BRUNTON
COMPASS AND LASER RANGE FINDER). ALL OTHER
STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY
FOR REFERENCE AND MAY NOT BE TO SCALE.

TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
- - - = INFERRED GROUNDWATER CONTOUR LINE

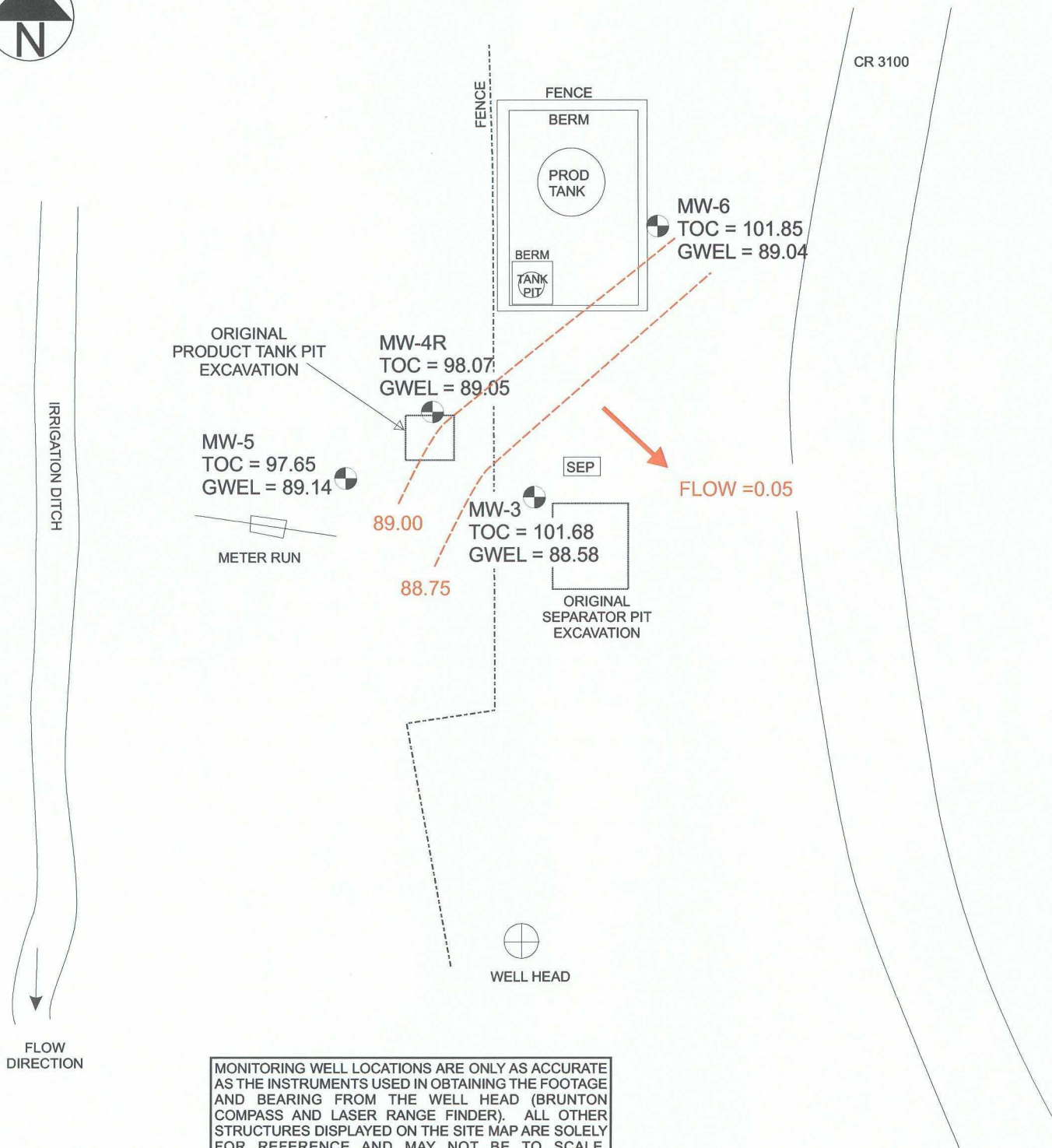
1 INCH = 50 FEET
0 50 100 FT.

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

ROWLAND GAS COM #1
NE/4 NW/4 SEC. 30, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO

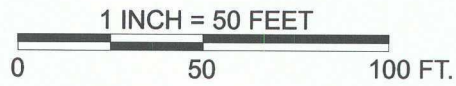
PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 12/01/06

GROUNDWATER GRADIENT
MAP
FIGURE 2
06/28/2006

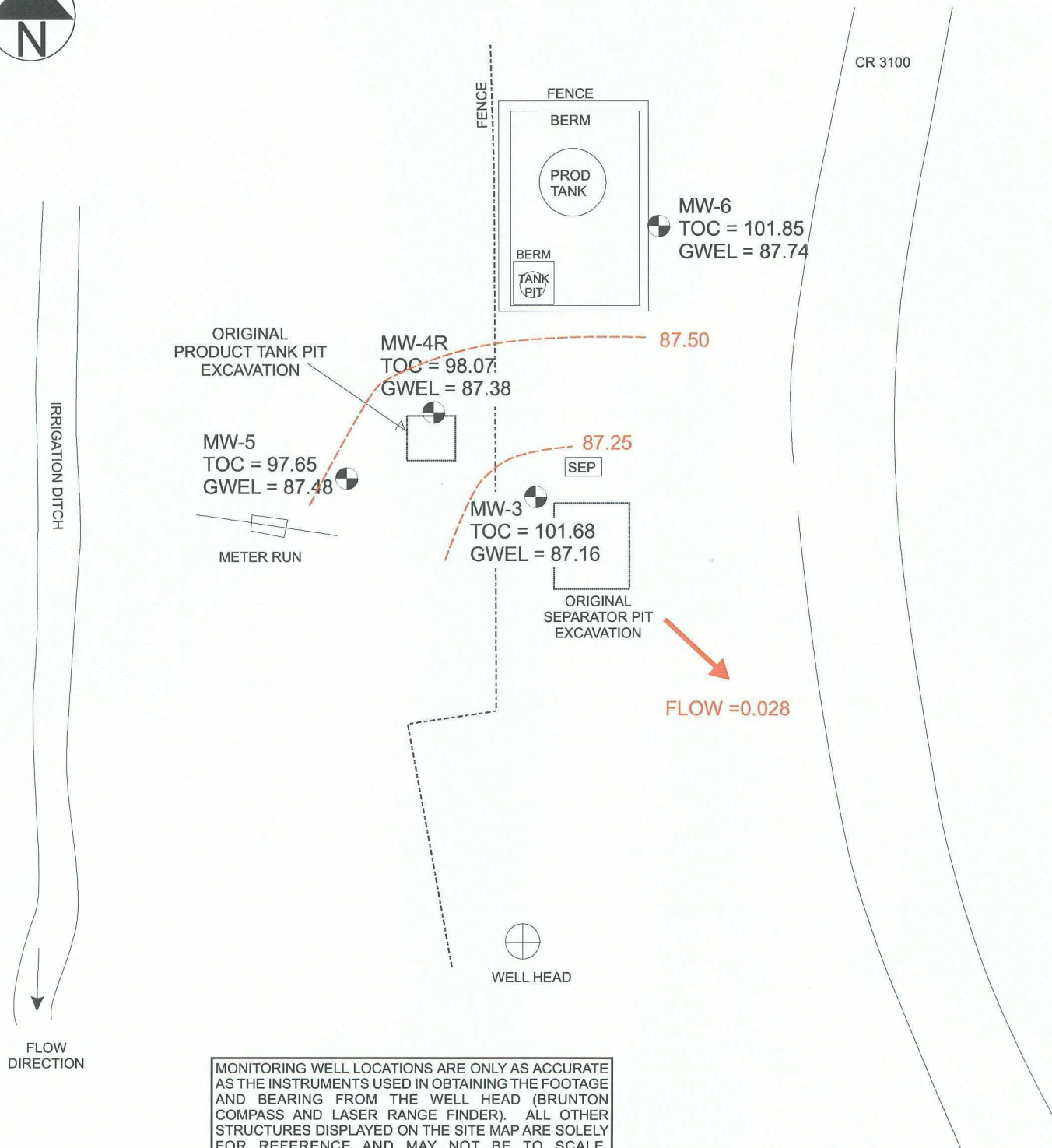


MONITORING WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
--- = INFERRED GROUNDWATER CONTOUR LINE



 Lodestar Services, Inc PO Box 3861 Farmington, NM 87499	ROWLAND GAS COM #1 NE/4 NW/4 SEC. 30, T30N, R12W SAN JUAN COUNTY, NEW MEXICO	PROJECT: XTO GROUND WATER DRAWN BY: ALA REVISED: 06/21/07	GROUNDWATER GRADIENT MAP 06/15/2007 FIGURE 3
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MONITORING WELL LOCATIONS ARE ONLY AS ACCURATE AS THE INSTRUMENTS USED IN OBTAINING THE FOOTAGE AND BEARING FROM THE WELL HEAD (BRUNTON COMPASS AND LASER RANGE FINDER). ALL OTHER STRUCTURES DISPLAYED ON THE SITE MAP ARE SOLELY FOR REFERENCE AND MAY NOT BE TO SCALE.

TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
--- = INFERRED GROUNDWATER CONTOUR LINE

1 INCH = 50 FEET
0 50 100 FT.

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

ROWLAND GAS COM #1
NE/4 NW/4 SEC. 30, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 12/26/07

GROUNDWATER GRADIENT
MAP
12/26/2007
FIGURE 4

Hall Environmental Analysis Laboratory, Inc.

Date: 29-Jun-07

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0706264**Lab ID:** 0706264-01 **Collection Date:** 6/15/2007 9:42:00 AM**Client Sample ID:** ~~Valdez A #1E MW-6~~ **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: LMM
Benzene	2.1	2.0		µg/L	2	6/27/2007 2:04:40 PM
Toluene	ND	2.0		µg/L	2	6/27/2007 2:04:40 PM
Ethylbenzene	76	2.0		µg/L	2	6/27/2007 2:04:40 PM
Xylenes, Total	470	30		µg/L	10	6/26/2007 2:31:53 PM
Surr: 4-Bromofluorobenzene	91.6	71.2-123		%REC	2	6/27/2007 2:04:40 PM

Lab ID: 0706264-02 **Collection Date:** 6/15/2007 10:10:00 AM**Client Sample ID:** ~~Valdez A #1E MW-7~~ **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: LMM
Benzene	86	1.0		µg/L	1	6/27/2007 2:43:37 PM
Toluene	ND	1.0		µg/L	1	6/27/2007 2:43:37 PM
Ethylbenzene	67	1.0		µg/L	1	6/27/2007 2:43:37 PM
Xylenes, Total	97	3.0		µg/L	1	6/27/2007 2:43:37 PM
Surr: 4-Bromofluorobenzene	74.8	71.2-123		%REC	1	6/27/2007 2:43:37 PM

Lab ID: 0706264-03 **Collection Date:** 6/15/2007 11:22:00 AM**Client Sample ID:** Rowland GC #1 MW-5 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: LMM
Benzene	55	5.0		µg/L	5	6/27/2007 3:23:32 PM
Toluene	ND	5.0		µg/L	5	6/27/2007 3:23:32 PM
Ethylbenzene	240	5.0		µg/L	5	6/27/2007 3:23:32 PM
Xylenes, Total	620	15		µg/L	5	6/27/2007 3:23:32 PM
Surr: 4-Bromofluorobenzene	85.1	71.2-123		%REC	5	6/27/2007 3:23:32 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 29-Jun-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0706264

Lab ID: 0706264-07

Collection Date:

Client Sample ID: Trip Blank

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: LMM
Benzene	ND	1.0		µg/L	1	6/27/2007 4:02:24 PM
Toluene	1.1	1.0		µg/L	1	6/27/2007 4:02:24 PM
Ethylbenzene	ND	1.0		µg/L	1	6/27/2007 4:02:24 PM
Xylenes, Total	ND	3.0		µg/L	1	6/27/2007 4:02:24 PM
Surr: 4-Bromofluorobenzene	90.3	71.2-123		%REC	1	6/27/2007 4:02:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0706264

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: SW8260B

Sample ID: 5mL rb

MBLK

Batch ID: R24131 Analysis Date: 6/26/2007 11:55:15 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	3.0

Sample ID: 5mL rb

MBLK

Batch ID: R24155 Analysis Date: 6/27/2007 9:31:05 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Xylenes, Total	ND	µg/L	3.0

Sample ID: 100ng lcs

LCS

Batch ID: R24131 Analysis Date: 6/26/2007 1:12:58 PM

Benzene	20.49	µg/L	1.0	102	82.4	128
Toluene	19.13	µg/L	1.0	95.6	77.2	115

Sample ID: 100ng lcs

LCS

Batch ID: R24155 Analysis Date: 6/27/2007 10:49:11 AM

Benzene	21.10	µg/L	1.0	106	82.4	128
Toluene	20.10	µg/L	1.0	101	77.2	115

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 02-Jan-08

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0712350

Lab ID: 0712350-05

Collection Date: 12/20/2007 3:49:00 PM

Client Sample ID: ~~EJ Johnson CIE MW-5~~

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	9.0	1.0		µg/L	1	12/27/2007 5:17:10 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 5:17:10 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 5:17:10 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 5:17:10 PM
Surr: 4-Bromofluorobenzene	86.5	68.9-122		%REC	1	12/27/2007 5:17:10 PM

Lab ID: 0712350-06

Collection Date: 12/26/2007 10:16:00 AM

Client Sample ID: Rowland GC1 MW-5

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	12/27/2007 6:20:04 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 6:20:04 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 6:20:04 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 6:20:04 PM
Surr: 4-Bromofluorobenzene	86.6	68.9-122		%REC	1	12/27/2007 6:20:04 PM

Lab ID: 0712350-07

Collection Date:

Client Sample ID: TRIP BLANK

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	12/27/2007 7:50:11 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 7:50:11 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 7:50:11 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 7:50:11 PM
Surr: 4-Bromofluorobenzene	84.3	68.9-122		%REC	1	12/27/2007 7:50:11 PM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
RL Reporting Limit

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0712350

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: EPA Method 8021B: Volatiles

Sample ID: 0712350-04A MSD

MSD

Batch ID: R26708

Analysis Date: 12/27/2007 8:50:30 PM

Benzene	48.54	µg/L	1.0	98.2	85.9	113	0.378	27	
Toluene	20.57	µg/L	1.0	103	86.4	113	0.543	19	
Ethylbenzene	24.72	µg/L	1.0	102	83.5	118	0.605	10	
Xylenes, Total	63.55	µg/L	2.0	102	83.4	122	0.317	13	

Sample ID: 5ML RB

MBLK

Batch ID: R26708

Analysis Date: 12/27/2007 9:07:53 AM

Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R26708

Analysis Date: 12/27/2007 9:20:40 PM

Benzene	22.03	µg/L	1.0	110	85.9	113			
Toluene	20.88	µg/L	1.0	104	86.4	113			
Ethylbenzene	20.97	µg/L	1.0	105	83.5	118			
Xylenes, Total	62.73	µg/L	2.0	105	83.4	122			

Sample ID: 0712350-04A MS

MS

Batch ID: R26708

Analysis Date: 12/27/2007 8:20:13 PM

Benzene	48.72	µg/L	1.0	99.1	85.9	113			
Toluene	20.69	µg/L	1.0	103	86.4	113			
Ethylbenzene	24.87	µg/L	1.0	102	83.5	118			
Xylenes, Total	63.75	µg/L	2.0	102	83.4	122			

Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits