

3R - 134

**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:

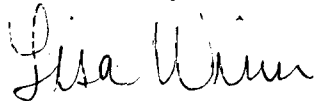
- Baca Gas Com A #1A- 3RP104
- Garcia Gas Com B #1- 3RP111
- Haney Gas Com B #1E- 3RP113
- Hare Gas Com B #1
- Hare Gas Com B #1E- 3RP384
- Hare Gas Com I #1
- Masden Gas Com #1E- 3RP120
- McDaniel Gas Com B #1E- 3RP121
- Stedje Gas Com #1- 3RP128
- Sullivan Frame A #1E- 3RP130

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

3R134

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

***VALDEZ A #1E
(G) SECTION 24 – T29N – R11W, 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
Figure 1:	Site Map
Figure 2 - 4:	Potentiometric Surface Diagrams
Attachment 1:	2006 & 2007 Laboratory Reports

2007 XTO GROUNDWATER REPORT

VALDEZ A #1E

SITE DETAILS

LEGALS - TWN: 29N	RNG: 11W	SEC: 24	UNIT: G
NMOCD HAZARD RANKING: 40		LAND TYPE: FEE	

PREVIOUS ACTIVITIES

Monitoring Wells: 1988 (Tenneco- Data not available)

GW Monitoring Initiated: Feb-93 (By Amoco)

Excavation: Apr-94 (80 CY)

Monitoring Wells: Jun-95

Additional Excavation: Nov-95 (1584 cy)

Geoprobe: Oct-96

Additional Monitoring Wells: May-97

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. Copies of the laboratory data sheets and associated quality assurance/quality control data for 2006 and 2007 are presented as Attachment 1.

POTENTIOMETRIC SURFACE DIAGRAMS

Field data collected during site monitoring activities indicate a groundwater gradient that trends toward the southwest, in the general direction of the San Juan River. Figures 2 - 4 illustrate the estimated groundwater gradient for 2006 and 2007.

ANNUAL GROUNDWATER REMEDIATION REPORTS

Previous groundwater reports submitted to New Mexico Oil Conservation Division (NMOCD) in 2005 and 2006 proposed annual sampling of groundwater monitoring wells MW-6 and MW-7 until natural attenuation reduces hydrocarbon impacts to below closure standards. Quarterly sampling would begin in accordance with the NMOCD approved Groundwater Management Plan.

2007 ACTIVITIES

Annual groundwater samples were collected from MW-6 and MW-7 in 2007 and submitted for laboratory analysis of benzene, toluene, ethyl benzene and total xylenes (BTEX). Laboratory results indicate natural attenuation is occurring. In an effort to verify natural attenuation monitoring wells were sampled again in December 2007.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No Bore/Test Hole Reports are presented.

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.

2007 XTO GROUNDWATER REPORT

CONCLUSIONS

January 1998 XTO Energy Inc. (XTO) acquired the Valdez A #1E from Amoco Production Company. Groundwater monitoring was originally initiated in 1988 by Tenneco Oil Company. The details of the remedial efforts are not known. Groundwater monitoring was re-initiated by Amoco in 1993 and annual groundwater monitoring has continued in order to document natural attenuation. In April 2002 three of the monitoring wells were plugged and abandoned per surface (Fee) owner's request.

Annual groundwater samples were collected from MW-6 and MW-7 in 2007 and submitted for laboratory analysis of BTEX. Laboratory results indicate natural degradation is occurring although BTEX constituents remain elevated. XTO recommends semi annual sampling to confirm natural attenuation until quarterly sampling can begin to reach closure standards.

RECOMMENDATIONS

- Semi-annual sampling will at monitoring wells MW-6 and MW-7 for BTEX constituents.
- Quarterly sampling will be conducted once groundwater is below NMWQCC standards.
- 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

VALDEZ A #1E
UNIT G, SEC. 24, T29N, R11W

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Total Xylene ug/L
23-Feb-93	MW #1	13.59	20.30		ND	ND	ND	ND
07-Jun-93		12.92	20.88		ND	0.5	ND	1
08-Sep-93		12.06	20.36		ND	ND	ND	ND
09-Mar-94		14.20			ND	ND	ND	ND
24-Jun-94		12.39			ND	ND	ND	ND
23-Feb-93	MW #3	14.02	22.80		ND	ND	ND	ND
07-Jun-93		13.66	23.00		ND	ND	ND	0.6
08-Sep-93		13.16	22.36		ND	0.6	ND	11.7
09-Mar-94		14.54			ND	ND	ND	ND
24-Jun-94		12.95			ND	ND	ND	ND
23-Feb-93	MW #4	15.18	20.30		ND	6	7	2
07-Jun-93		14.80	20.83		ND	3.2	3.2	4.3
08-Sep-93		14.27	19.98		ND	5.9	22.4	7.7
09-Mar-94		15.67			ND	1.6	ND	1.6
24-Jun-94		14.10			ND	3.7	2.3	ND
23-Feb-93	MW #5	14.83	17.30		1,320	482	175	731
07-Jun-93		13.02	23.71		ND	ND	ND	0.4
08-Sep-93		12.68	22.78		ND	1	ND	1.8
02-Dec-93		13.06			ND	ND	ND	ND
09-Mar-94		13.81			ND	0.4	ND	ND
24-Jun-94		12.30			ND	ND	ND	ND
23-Feb-93	MW #6	15.06	19.40		2,090	7,800	578	4,080
07-Jun-93		14.72	19.50		1,300	444	293	840
08-Sep-93		14.27	18.35		770	980	174	783
02-Dec-93		14.69			540	1,140	144	867
09-Mar-94		15.49			580	1,520	130	888
24-Jun-94		14.05			542	1,923	164	1,172
23-Sep-94		13.40			484	1,696	170	1,300
09-Dec-94		14.02			593	2,242	183	1,707
10-Jan-95		14.28			450	1,380	153	1,248
09-Feb-95		14.58			710	2,160	271	2,297
13-Mar-95		14.85			19.8	2,471	289	2,460
10-Apr-95		15.00			525	1,840	222	1,502
19-Jun-95		14.48			299.3	998.8	114.5	1045.4
07-Aug-95		14.08			593	1,650	247	2,111
12-Sep-95		13.89			412	1,390	259	1,549
10-Oct-95		13.74			176	970	191	1,552
15-Nov-95		13.98			598	1,370	339	2,819
07-Dec-95		14.12			599	1,310	304	2,322
07-Mar-96		15.07			426	467	234	1,876
18-Jun-96		14.40			462	773	305	2,540
17-Jun-97		14.97			110	19.6	37.6	288.9
12-Jun-98		14.92			55.6	25.2	45.9	296.1
25-Sep-98		14.36			42.7	17.7	68.3	469

TABLE 1

XTO ENERGY INC. GROUNDWATER LAB RESULTS

VALDEZ A #1E
UNIT G, SEC. 24, T29N, R11W

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Total Xylene ug/L
26-May-99		15.12			78.9	22	51.6	273.9
26-Jun-00	MW #6	14.53			26	2.5	100	670
15-May-01		14.91			13	0.5	74	490
25-Jun-02		13.72			20	ND	200	1,740
20-May-03		14.47			14	1.1	190	1,400
19-Jun-04		14.07			7.5	ND	79	530
27-Sep-04		8.27			8.4	ND	140	1,100
29-Jun-05		9.13			6.9	ND	150	1,100
28-Jun-06		8.78	14.75		6.7	ND	190	790
15-Jun-07		9.76	20.40		2.1	ND	76	470
20-Dec-07	9.16	20.40			2.9	ND	130	750
23-Feb-93	MW #7	13.37	23.32		ND	1	ND	2
07-Jun-93		14.54	19.33		640	2,270	330	2,430
08-Sep-93		14.15	18.85		820	1,660	306	1,780
02-Dec-93		14.56			319	366	35.1	242
09-Mar-94		15.30			103	88	10.3	74
24-Jun-94		14.04			569	2,090	288	3,094
23-Sep-94		13.51			627	1,805	189	1,755
09-Dec-94		13.94	18.83		707	1,220	161	1,342
10-Jan-95		14.23			298	394	54.8	365.4
09-Feb-95		14.50			465	624	92	582
13-Mar-95		14.73			997.8	813.2	168.4	1015.9
10-Apr-95		14.87			648	456	104	623
19-Jun-95		14.39			366.7	414.7	66.1	602.2
07-Aug-95		14.04			869	1,000	171	1,431
12-Sep-95		13.85			1,725	846	141	1,035
10-Oct-95		13.73			143	689	93.6	925
15-Nov-95		13.94			710	1,000	178	1,642
07-Dec-95		14.05			1,050	606	167	996
07-Mar-96		14.94			101	10.3	8.69	42.27
18-Jun-96		14.34			128	65.5	11.5	175.3
17-Jun-97		14.83			360	16.3	16.5	127.5
12-Jun-98			18.83	0.88				
25-Sep-98				0.88				
26-May-99				0.05				
25-Aug-99				0.62				
30-Nov-99				0.7				
26-Jun-00		14.46	18.83		220	63	94	4,080
15-May-01		14.87			190	ND	76	880
25-Jun-02		13.72			92	14	32	264
20-May-03		14.43			99	ND	40	230
19-Jun-04		13.97			170	4.1	120	780
29-Jun-05		13.81			100	14	68	470
28-Jun-06		13.37	19.24		48	14	69	580

TABLE 1

XTO ENERGY INC. GROUNDWATER LAB RESULTS

VALDEZ A #1E UNIT G, SEC. 24, T29N, R11W

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Total Xylene ug/L
15-Jun-07		15.00	22.62		86	ND	67	97
20-Dec-07		13.65	22.62		310	ND	220	1,300
23-Feb-93	MW #8	15.68	17.00		2,830	25,500	1,680	5,430
08-Jun-93		15.36	17.01		3,220	1,940	1,110	4,960
09-Sep-93		15.16	17.73		245	2,040	135	1,499
02-Dec-93		15.44			307	2,520	119	1,388
09-Mar-94		15.98			223	340	61	232.9
24-Jun-94		14.86			375	1,750	108	1,001
23-Sep-94		14.31			236	1,827	90	864
09-Dec-94		14.78	18.60		307	1,608	105	734
10-Jan-95		15.02			320	2,410	119	1,016
09-Feb-95		15.24			183	760	90.9	452
13-Mar-95		15.42			415	3,943	202	2,037
10-Apr-95		15.54			239	2,780	128	1,245
19-Jun-95					148.9	1448.2	72.8	681.2
07-Aug-95		14.86			168	1,590	92.7	893
12-Sep-95		14.71			499	1,420	74.1	788
10-Oct-95		14.60			88.1	817	52.1	614
15-Nov-95		14.78			158	2,110	150	1,488
07-Dec-95		14.87			156	1,920	135	1,277
07-Mar-96		15.60			98.1	1,320	82.5	778
18-Jun-96		15.15			5.45	2.25	ND	3.5
24-Dec-96		15.12	18.28		105	569	51	421
17-Jun-97		14.01			45.4	83	29.8	88.9
12-Jun-98		15.54			5.4	5.1	1.1	9.1
25-Sep-98		15.03			0.3	0.3	0.2	2.4
23-Feb-93	MW #9	8.56	11.00		ND	1	ND	2
08-Jun-93		8.19			ND	2.1	0.3	2.3
09-Sep-93		8.00	10.92		0.9	0.6	ND	0.4
09-Mar-94		8.83			ND	2.1	0.7	7
24-Jun-94		7.80			1.6	5.5	4.1	3.1
25-Sep-98		7.93	11.08		0.6	0.2	ND	1.1
26-May-99		8.49			25.1	13.7	4.3	47
25-Aug-99		8.12			0.7	2	ND	2.7
30-Nov-99		7.99			4.2	2.9	0.3	4.6
26-Jun-00		8.07			ND	ND	ND	ND
20-Mar-01		8.57			ND	ND	ND	ND
23-Feb-93	MW #10	8.65	9.80		ND	ND	ND	1
08-Jun-93		8.43	9.80		ND	0.7	ND	0.9
09-Sep-93		7.76			ND	0.3	ND	1.1
09-Mar-94		8.98			ND	2.3	ND	0.4
24-Jun-94		8.00	12.15		2.2	ND	ND	ND
23-Sep-94		7.56			0.7	0.7	ND	ND
09-Dec-94		7.88	12.44		ND	0.2	ND	ND

TABLE 1

XTO ENERGY INC. GROUNDWATER LAB RESULTS

VALDEZ A #1E
UNIT G, SEC. 24, T29N, R11W

Sample Date	Monitor Well No.	DTW (ft)	TD (ft)	Product (ft)	Benzene ug/L	Toluene ug/L	Ethyl Benzene ug/L	Total Xylene ug/L
13-Mar-95		8.46			ND	ND	ND	ND
19-Jun-95		8.22			ND	ND	ND	ND
12-Sep-95		7.84			ND	ND	ND	ND
07-Dec-95		7.93			ND	ND	ND	ND
07-Mar-96	MW #10	8.62			ND	ND	ND	ND
18-Jun-96		8.22			ND	ND	ND	ND
25-Aug-99		8.30			1.7	0.9	ND	1.2
NMWQCC GROUNDWATER STANDARDS					10	750	750	620



MW-1

METER RUN

WELL HEAD

MW-2 REMOVED

ACCESS ROAD

BERM

PROD
TANKS

COMP

MW-4

MW-3 REMOVED

MW-6

MW-5 REMOVED

MW-7

FENCE

Approximately 1000' to
San Juan River
(WSW flow direction)

MW-8 REMOVED

MW-9 REMOVED

MW-10 REMOVED

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.

1 INCH = 62.5 FEET

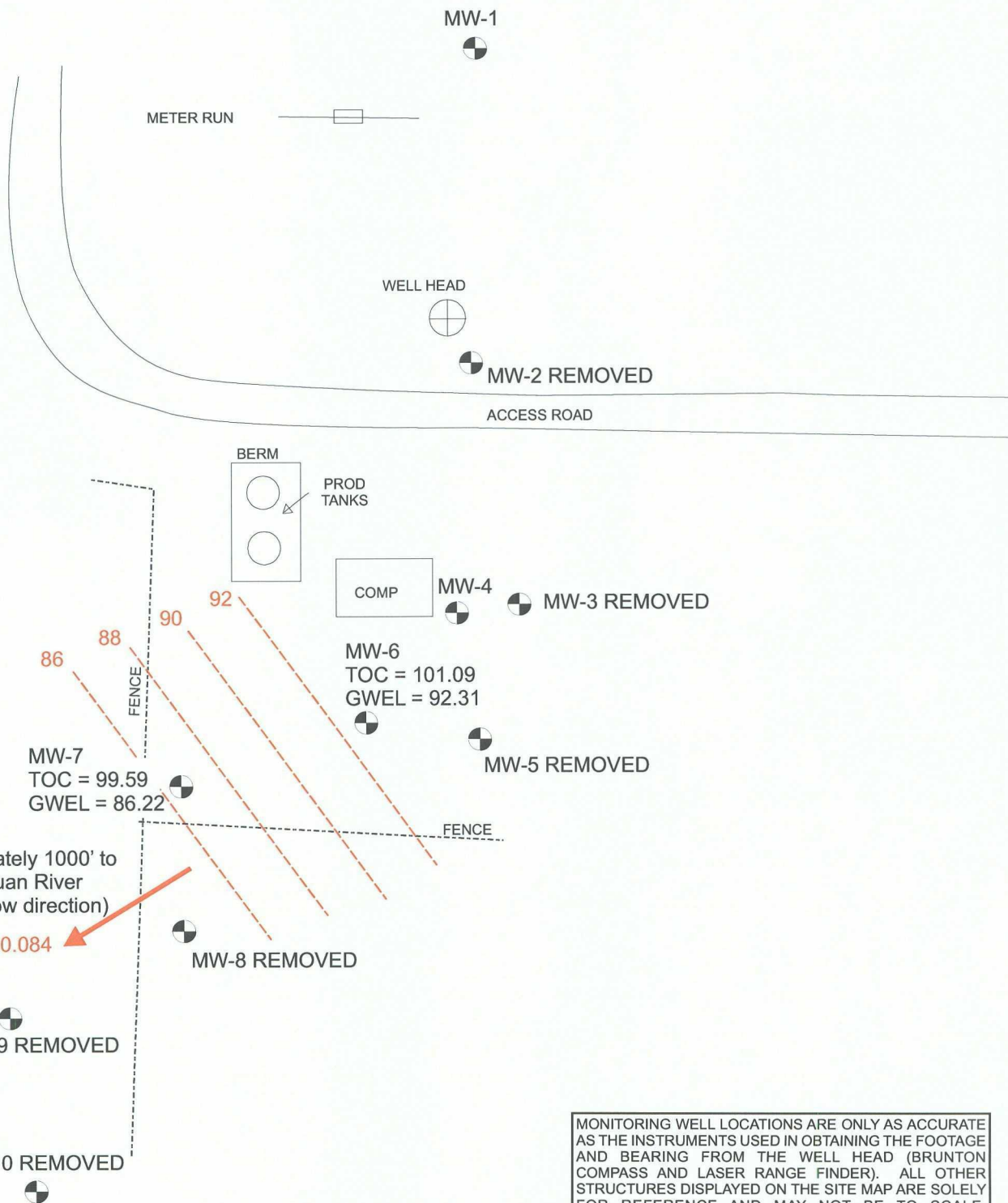
0 62.5 125 FT.

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

VALDEZ A #1E
SW/4 NE/4 SEC. 24, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 01/30/08

SITE MAP
06/28/2006
FIGURE 1



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

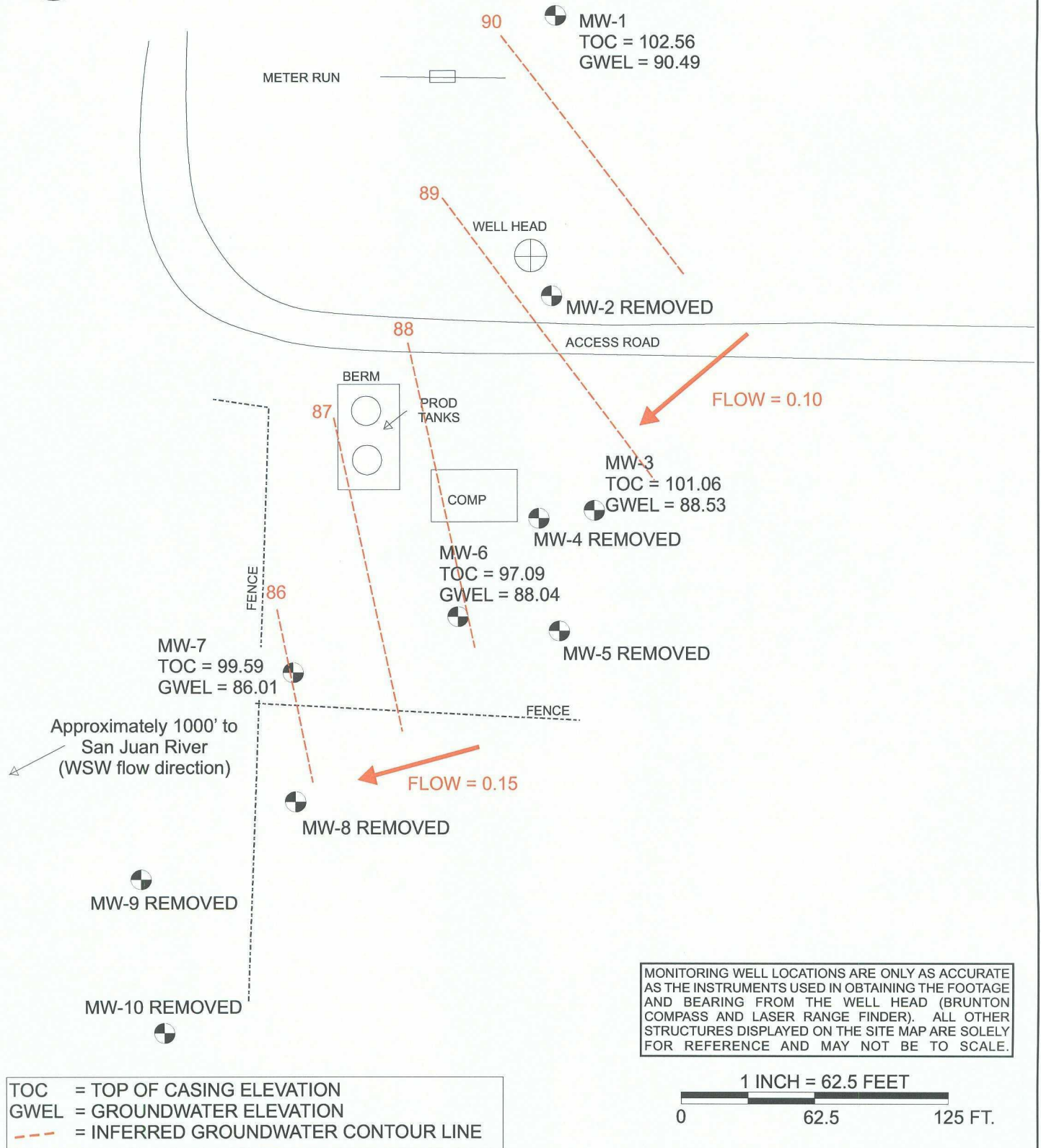
1 INCH = 62.5 FEET
0 62.5 125 FT.

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

VALDEZ A #1E
SW/4 NE/4 SEC. 24, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

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

GROUNDWATER GRADIENT
MAP
FIGURE 2
06/28/2006

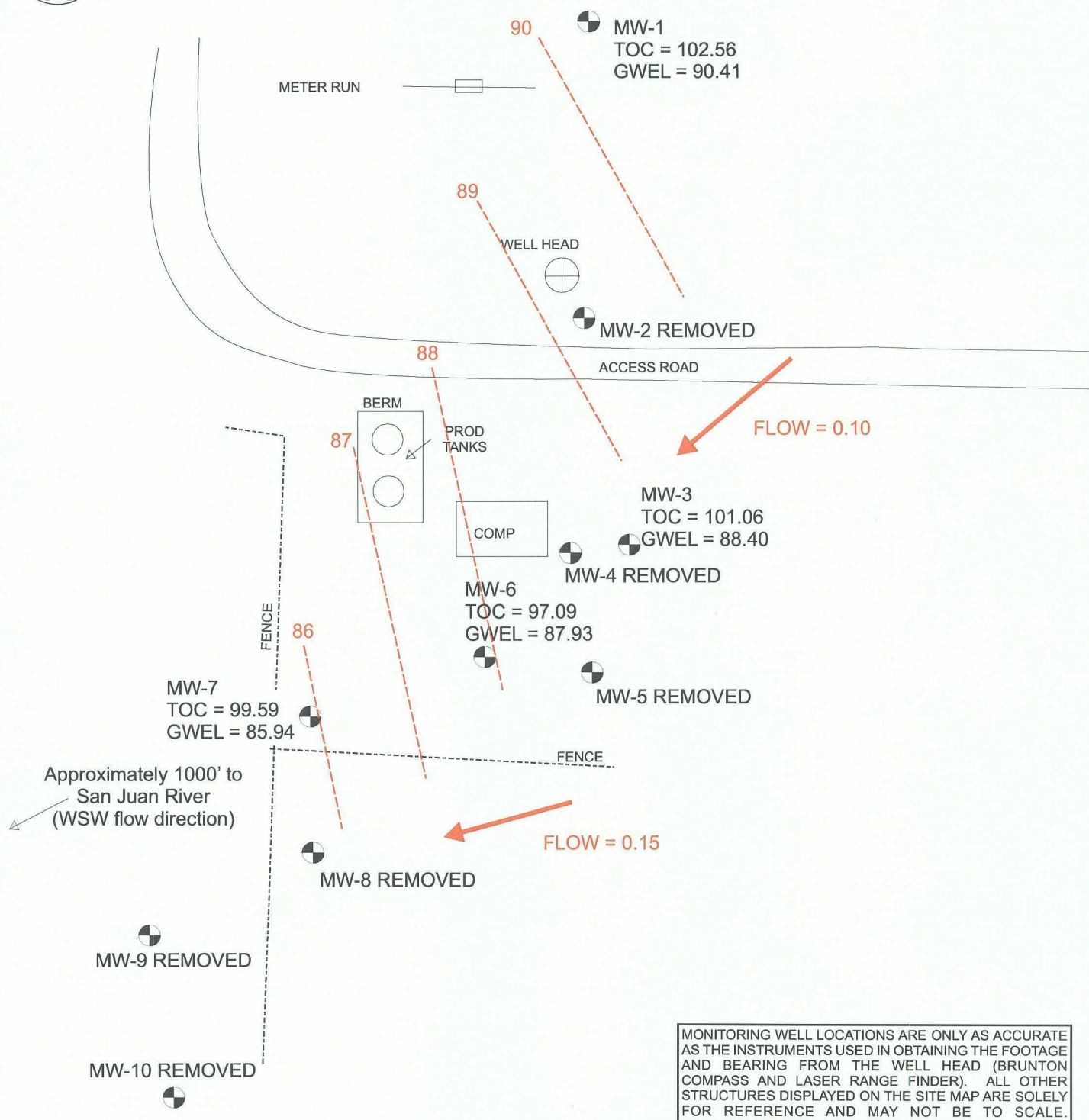


Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

VALDEZ A #1E
SW/4 NE/4 SEC. 24, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 07/25/07

GROUNDWATER GRADIENT
MAP
07/23/2007
FIGURE 3



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

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

VALDEZ A #1E
SW/4 NE/4 SEC. 24, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 12/23/07

GROUNDWATER GRADIENT
MAP
12/20/2007
FIGURE 4

Hall Environmental Analysis Laboratory, Inc.

Date: 10-Jul-06

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0606317

Lab ID: 0606317-01

Collection Date: 6/28/2006 9:24:00 AM

Client Sample ID: Valdez A #1E MW-7

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	48	1.0		µg/L	1	7/5/2006 6:42:52 AM
Toluene	14	1.0		µg/L	1	7/5/2006 6:42:52 AM
Ethylbenzene	69	1.0		µg/L	1	7/5/2006 6:42:52 AM
Xylenes, Total	580	30		µg/L	10	7/7/2006 12:10:02 AM
Surr: 4-Bromofluorobenzene	111	72.2-125		%REC	10	7/7/2006 12:10:02 AM

Lab ID: 0606317-02

Collection Date: 6/28/2006 9:48:00 AM

Client Sample ID: Valdez A #1E MW-6

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	6.7	5.0		µg/L	5	7/7/2006 1:13:22 AM
Toluene	ND	5.0		µg/L	5	7/7/2006 1:13:22 AM
Ethylbenzene	190	5.0		µg/L	5	7/7/2006 1:13:22 AM
Xylenes, Total	790	150		µg/L	50	7/7/2006 10:12:02 AM
Surr: 4-Bromofluorobenzene	119	72.2-125		%REC	5	7/7/2006 1:13:22 AM

Lab ID: 0606317-03

Collection Date:

Client Sample ID: 280606TB003

Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	7/7/2006 2:11:26 AM
Toluene	ND	1.0		µg/L	1	7/7/2006 2:11:26 AM
Ethylbenzene	ND	1.0		µg/L	1	7/7/2006 2:11:26 AM
Xylenes, Total	ND	3.0		µg/L	1	7/7/2006 2:11:26 AM
Surr: 4-Bromofluorobenzene	101	72.2-125		%REC	1	7/7/2006 2:11:26 AM

Qualifiers: * Value exceeds Maximum Contaminant Level
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit



QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0606317

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: B		MBLK							
					Batch ID: R19780		Analysis Date: 7/4/2006 7:11:53 PM		
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: B		MBLK							
					Batch ID: R19810		Analysis Date: 7/6/2006 7:08:46 PM		
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: SML RB		MBLK							
					Batch ID: R19830		Analysis Date: 7/7/2006 7:40:50 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 BTEX LCS-II		LCS							
					Batch ID: R19780		Analysis Date: 7/4/2006 5:44:51 PM		
Benzene	21.10	µg/L	1.0	106	85	115			
Toluene	20.86	µg/L	1.0	104	85	118			
Ethylbenzene	21.25	µg/L	1.0	106	85	116			
Xylenes, Total	63.10	µg/L	3.0	105	85	119			
Sample ID: 100NG BTEX ICV		LCS							
					Batch ID: R19810		Analysis Date: 7/6/2006 4:18:18 PM		
Benzene	20.54	µg/L	1.0	103	85	115			
Toluene	19.67	µg/L	1.0	98.4	85	118			
Ethylbenzene	19.91	µg/L	1.0	99.6	85	116			
Xylenes, Total	60.07	µg/L	3.0	100	85	119			
Sample ID: 100NG BTEX LCS		LCS							
					Batch ID: R19830		Analysis Date: 7/7/2006 11:10:13 AM		
Benzene	19.19	µg/L	1.0	95.9	85	115			
Toluene	19.10	µg/L	1.0	93.5	85	118			
Ethylbenzene	19.32	µg/L	1.0	96.6	85	116			
Xylenes, Total	59.98	µg/L	3.0	97.4	85	119			
Sample ID: 100NG BTEX ICV-B		LCSD							
					Batch ID: R19810		Analysis Date: 7/6/2006 4:47:28 PM		
Benzene	19.23	µg/L	1.0	96.2	85	115	6.57	27	
Toluene	20.02	µg/L	1.0	100	85	118	1.74	19	
Ethylbenzene	20.32	µg/L	1.0	102	85	116	2.00	10	
Xylenes, Total	61.62	µg/L	3.0	103	85	119	2.55	13	



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 Split recovery outside accepted recovery limits

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

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						
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

Analyst: LMM

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 ~~5 min~~ 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: 0712350-01

Collection Date: 12/20/2007 12:15:00 PM

Client Sample ID: Valdez AIE MW-6

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	2.9	1.0		µg/L	1	12/27/2007 1:46:19 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 1:46:19 PM
Ethylbenzene	130	10		µg/L	10	12/27/2007 1:16:09 PM
Xylenes, Total	750	20		µg/L	10	12/27/2007 1:16:09 PM
Surr: 4-Bromofluorobenzene	104	68.9-122		%REC	1	12/27/2007 1:46:19 PM

Lab ID: 0712350-02

Collection Date: 12/20/2007 12:38:00 PM

Client Sample ID: Valdez AIE MW-7

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	310	10		µg/L	10	12/29/2007 1:52:52 AM
Toluene	ND	1.0		µg/L	1	12/27/2007 3:16:33 PM
Ethylbenzene	220	10		µg/L	10	12/29/2007 1:52:52 AM
Xylenes, Total	1300	20		µg/L	10	12/29/2007 1:52:52 AM
Surr: 4-Bromofluorobenzene	97.0	68.9-122		%REC	10	12/29/2007 1:52:52 AM

Lab ID: 0712350-03

Collection Date: 12/20/2007 1:16:00 PM

Client Sample ID: ~~Sullivan GCD1 MW-1~~

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 4:16:54 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 4:16:54 PM
Ethylbenzene	ND	1.0		µg/L	1	12/27/2007 4:16:54 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 4:16:54 PM
Surr: 4-Bromofluorobenzene	85.5	68.9-122		%REC	1	12/27/2007 4:16:54 PM

Lab ID: 0712350-04

Collection Date: 12/20/2007 2:54:00 PM

Client Sample ID: ~~Jack Frost B2 MW-4~~

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	29	1.0		µg/L	1	12/27/2007 4:47:02 PM
Toluene	ND	1.0		µg/L	1	12/27/2007 4:47:02 PM
Ethylbenzene	4.4	1.0		µg/L	1	12/27/2007 4:47:02 PM
Xylenes, Total	ND	2.0		µg/L	1	12/27/2007 4:47:02 PM
Surr: 4-Bromofluorobenzene	92.6	68.9-122		%REC	1	12/27/2007 4:47:02 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
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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