

3R - 412

**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:

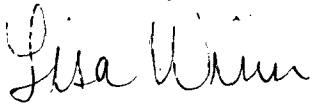
- Baca Gas Com A #1A- 3RP104
- Garcia Gas Com B #1- 3RP111
- Haney Gas Com B #1E- 3RP113
- Hare Gas Com B #1
- Hare Gas Com B #1E- 3RP384
- Hare Gas Com I #1 3R 412
- Masden Gas Com #1E- 3RP120
- McDaniel Gas Com B #1E- 3RP121
- Stedje Gas Com #1- 3RP128
- Sullivan Frame A #1E- 3RP130

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

OGRID 5380
3R412

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

**HARE GAS COM I #1
(E) SECTION 23 – 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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Table 1:	Summary Groundwater Laboratory Results
Figure 1:	Site Map
Figures 2 - 5:	Potentiometric Surface Diagrams
Figures 6 - 7:	Geologic Logs and Well Completion Diagrams
Attachment 1:	2006 & 2007 Laboratory Reports

2007 XTO GROUNDWATER REPORT

HARE GAS COM I #1

SITE DETAILS

LEGALS - TWN: 29N

RNG: 11W

SEC: 23

UNIT: E

NMOCD HAZARD RANKING: 20

LAND TYPE: FEE

PREVIOUS ACTIVITIES

Excavation: Feb-04 (55 cy)

Monitoring Well: Mar-04

Additional Monitoring Wells: May-05

Quarterly Sampling Initiated: Dec-06

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 from site monitoring activities indicate a groundwater gradient that trends towards the south with a slight southwest component. Figures 2 - 5 illustrate the estimated groundwater gradients for 2006 and 2007.

ANNUAL GROUNDWATER REMEDIATION REPORTS

The 2006 annual groundwater report was submitted to New Mexico Oil Conservation Division (NMOCD) in February 2007, proposing quarterly sampling of the groundwater monitoring wells, in accordance with the NMOCD approved Groundwater Management Plan.

2007 ACTIVITIES

Quarterly groundwater samples were collected from monitoring wells MW-1, MW-2, and MW-3 during the first, second and third quarters of 2007. Analytical results demonstrate benzene, toluene, ethyl benzene and total xylenes (BTEX) constituents in groundwater are not detectable for four (4) consecutive quarters in 2006 and 2007.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Report is presented as Figure 6 representing drilling that occurred on site in October 1999 for MW-1 at the Hare GC B #1E location and is currently being shared with Hare GC I #1. Figure 7 represents drilling that occurred on site in May 2005 for MW-3.

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 Hare Gas Com I #1. In February 2004, after removal of a 21 barrel steel tank, hydrocarbon impact soil was encountered. After excavation of the underlying pit monitoring well MW-2 was installed at the center of the source area. MW-3 was installed in May 2006 to further delineate the extent of hydrocarbon impact to groundwater.

Groundwater analytical data from MW-1, MW-2, and MW-3 for four (4) consecutive quarters have demonstrated no detectable levels of BTEX constituents and New Mexico Water Quality Control Commission (NMWQCC) standards have been met. The quarterly sampling has confirmed no rebound of BTEX constituents has occurred, therefore, XTO requests closure of this site.

RECOMMENDATIONS

- XTO requests closure of this site.
- Following OCD approval for closure, all monitoring well locations will be abandoned in accordance with the monitoring well abandonment plan.

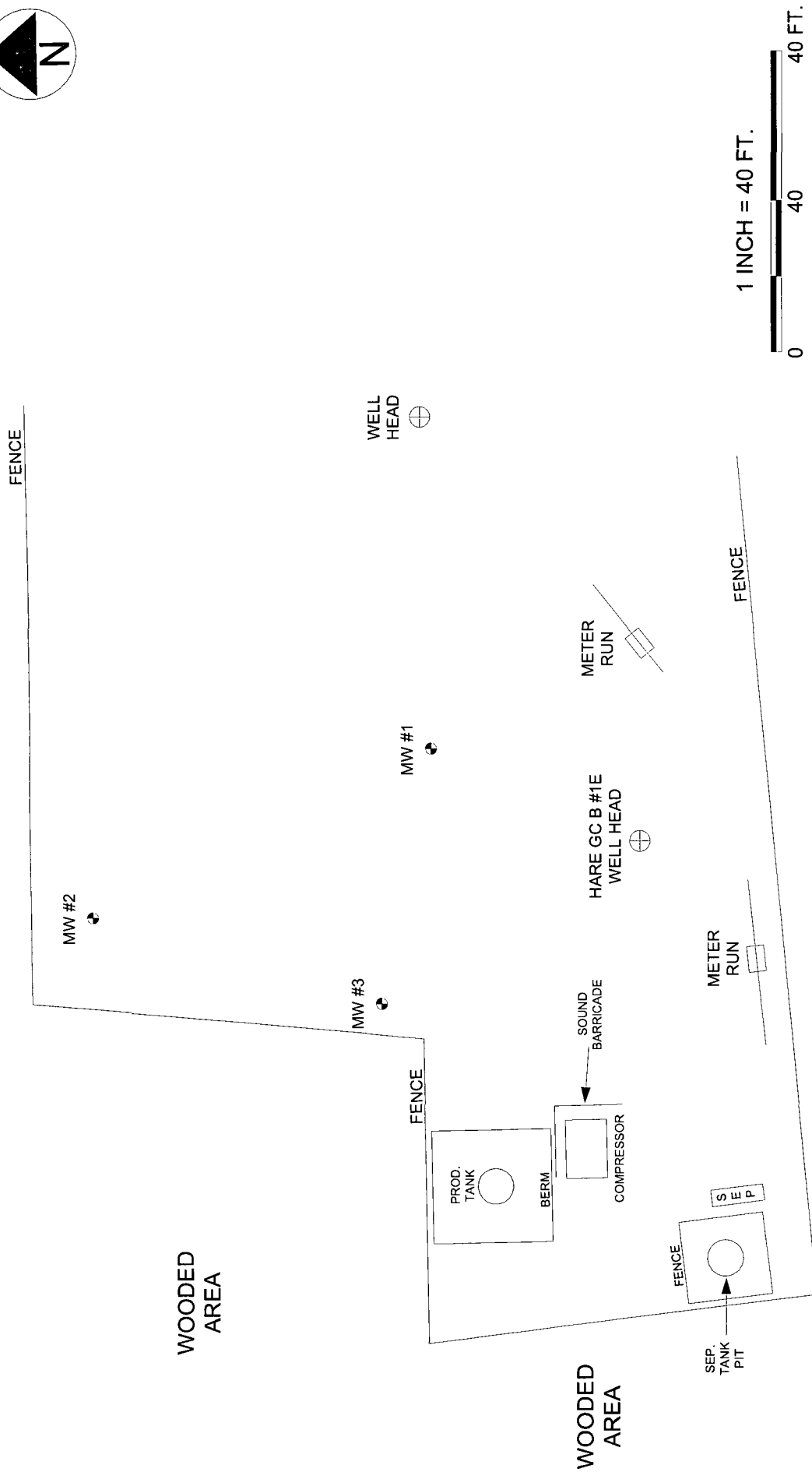
TABLE 1

XTO ENERGY INC. GROUNDWATER LAB RESULTS

HARE GC I #1 UNIT E, SEC. 23, T29N, R11W

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)
7-Dec-06	MW #1	4.83	12.28		ND	ND	ND	ND
27-Mar-07		5.38	13.65		ND	ND	ND	ND
12-Jun-07		4.6	13.65		ND	ND	ND	ND
25-Sep-07		3.31	13.65		ND	ND	ND	ND
30-Mar-04	MW #2				15	35	5.2	58
28-Sep-04					ND	ND	ND	ND
30-Dec-04					ND	ND	ND	ND
24-Mar-05					8.5	ND	ND	ND
28-Jun-05					0.86	ND	ND	ND
7-Dec-06		5	15.16		ND	ND	ND	ND
27-Mar-07		5.72	15.15		ND	ND	ND	ND
12-Jun-07		4.02	15.15		ND	ND	ND	ND
25-Sep-07		3.2	15.15		ND	ND	ND	ND
7-Dec-06	MW #3	5.35	12.46		ND	ND	ND	ND
27-Mar-07		6.83	12.3		ND	ND	ND	ND
12-Jun-07		4.66	12.3		ND	ND	ND	ND
25-Sep-07		3.44	12.3		ND	ND	ND	ND
NMWQCC GROUNDWATER STANDARDS					10	750	750	620

FIGURE 1



OPEN FIELD
(PARTLY WOODED)

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.

SITE MAP

05/06

PROJECT: MW INSTALL.

DRAWN BY: NJV

FILENAME: HARE GC I1-SM.SKF

BLAGG ENGINEERING, INC.

CONSULTING PETROLEUM / RECLAMATION SERVICES

P.O. BOX 87

BLOOMFIELD, NEW MEXICO 87413

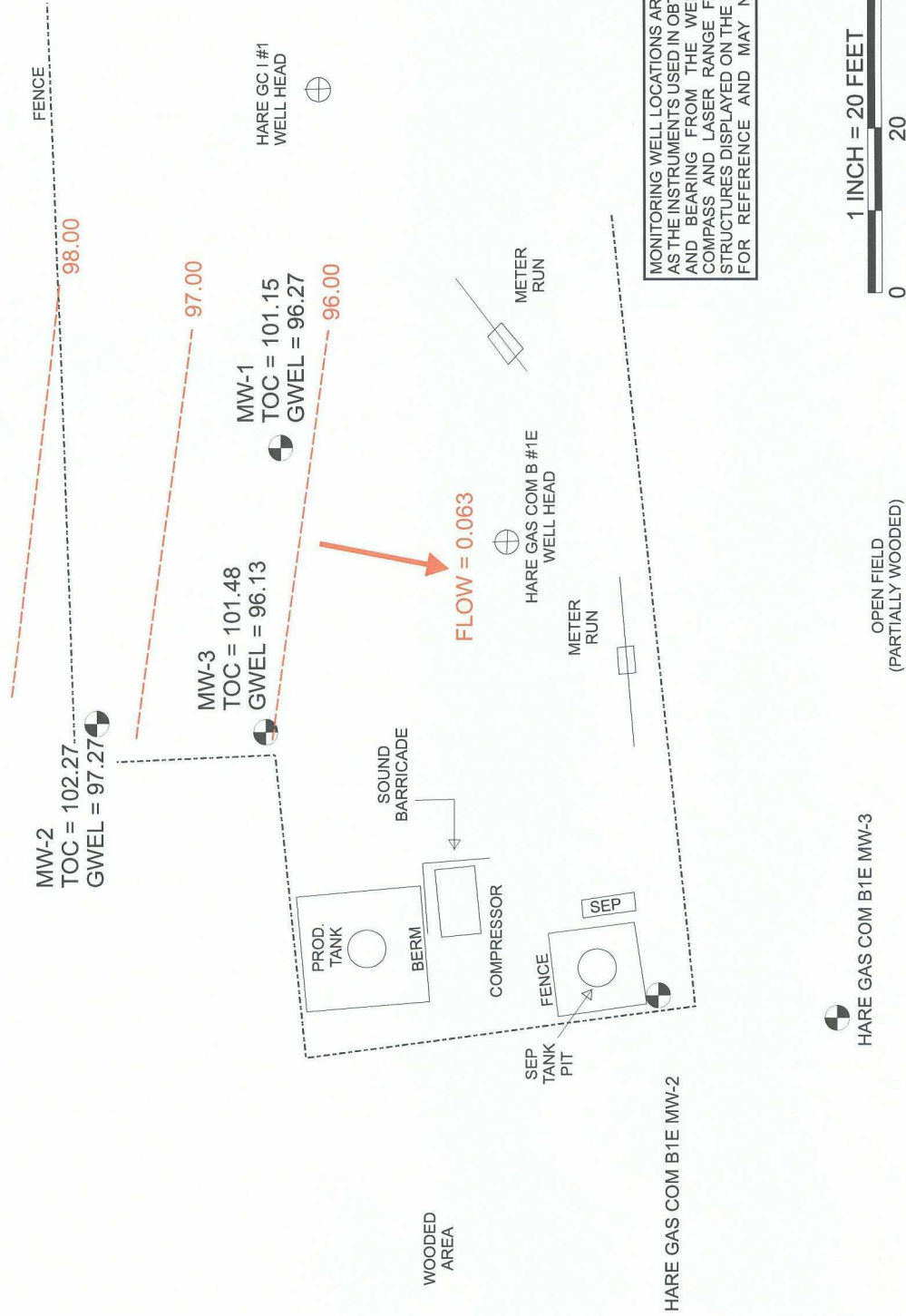
PHONE: (505) 632-1199

XTO ENERGY INC.

HARE GCI #1

SW/4 NW/4 SEC. 23, T29N, R11W

SAN JUAN COUNTY, NEW MEXICO

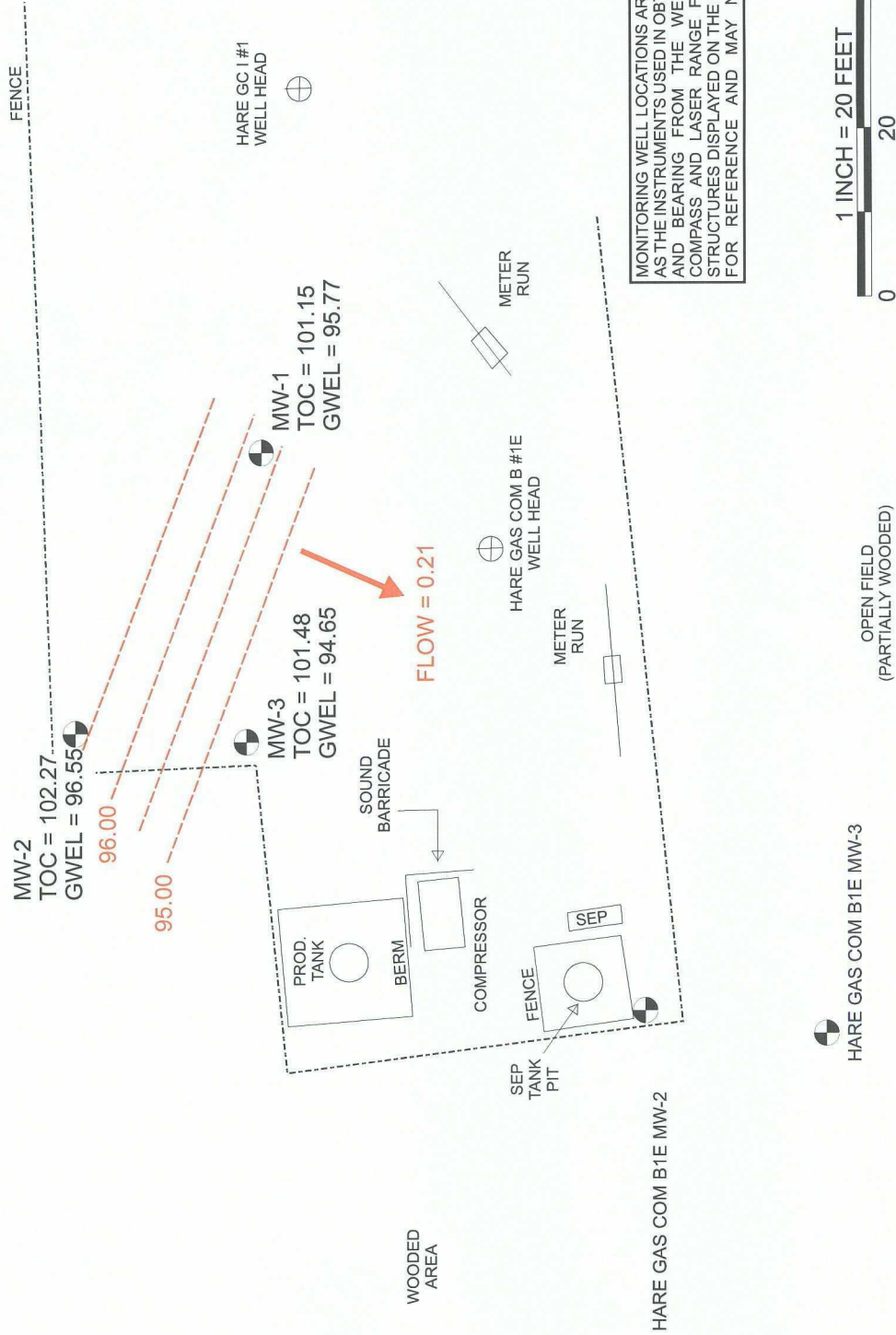


Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

HARE GAS COM I #1
SW/4 NW/4 SEC. 23, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 12/11/06

GROUNDWATER GRADIENT MAP
12/07/2006
FIGURE 2



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.

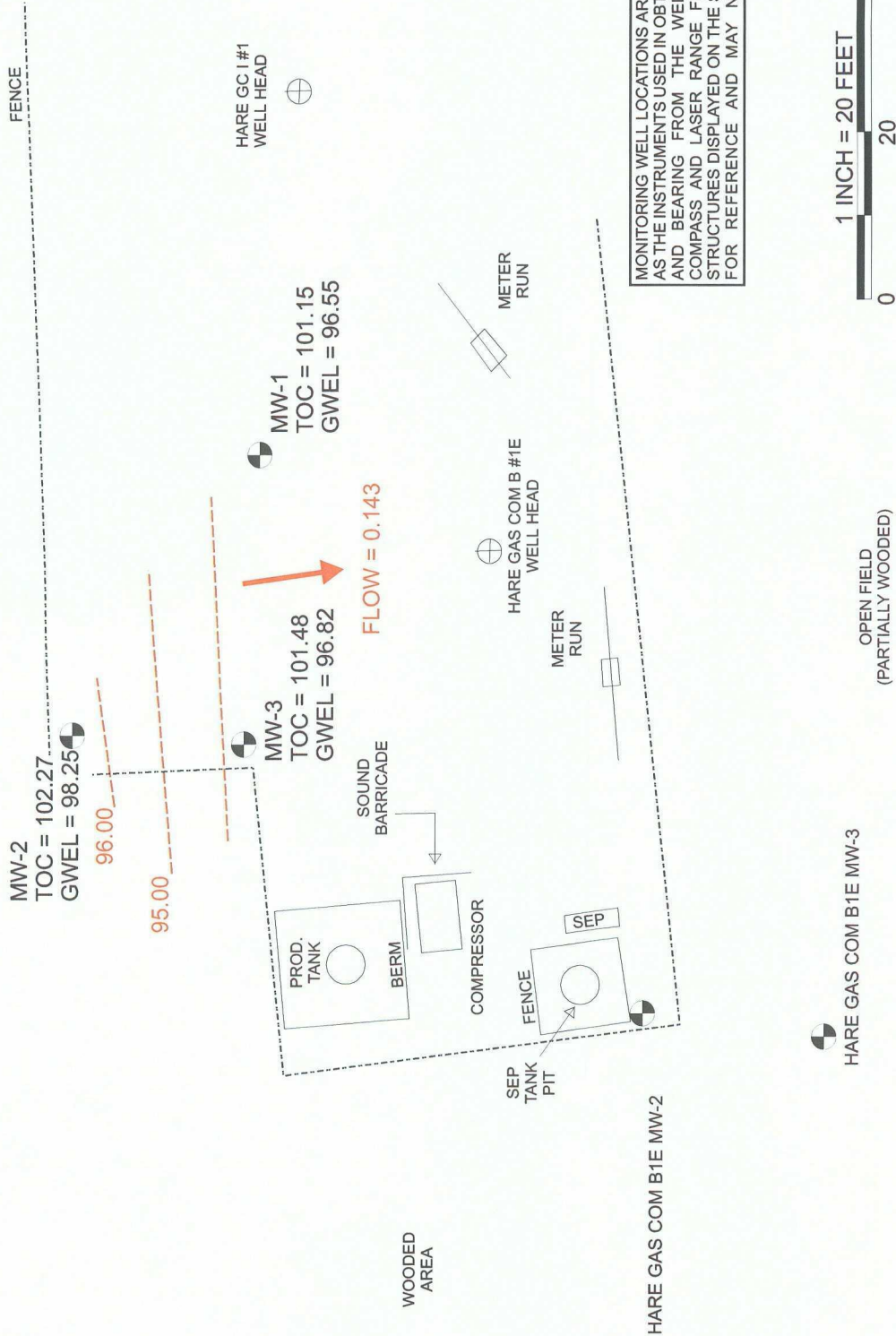
TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
- - - = INFERRED GROUNDWATER CONTOUR LINE

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

HARE GAS COM I #1
SW/4 NW/4 SEC. 23, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 03/30/07

GROUNDWATER GRADIENT MAP
03/27/07
FIGURE 3



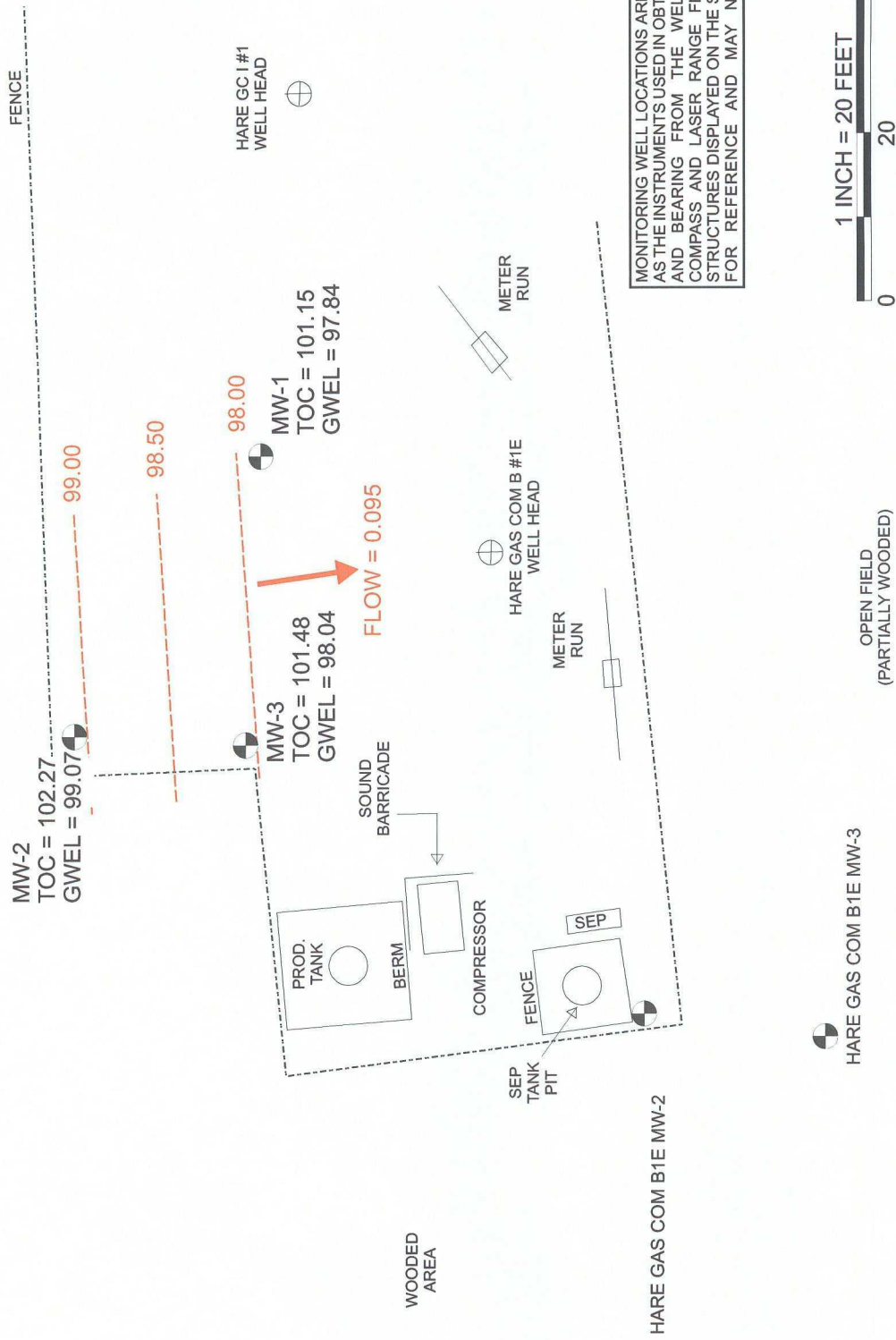
TOC = TOP OF CASING ELEVATION
GWEL = GROUNDWATER ELEVATION
--- = INFERRED GROUNDWATER CONTOUR LINE

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

HARE GAS COM I #1
SW/4 NW/4 SEC. 23, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 06/21/07

GROUNDWATER GRADIENT MAP
06/13/07
FIGURE 4



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

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

HARE GAS COM I #1
SW/4 NW/4 SEC. 23, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 09/28/07

GROUNDWATER GRADIENT MAP
09/27/07
FIGURE 5

FIGURE 6

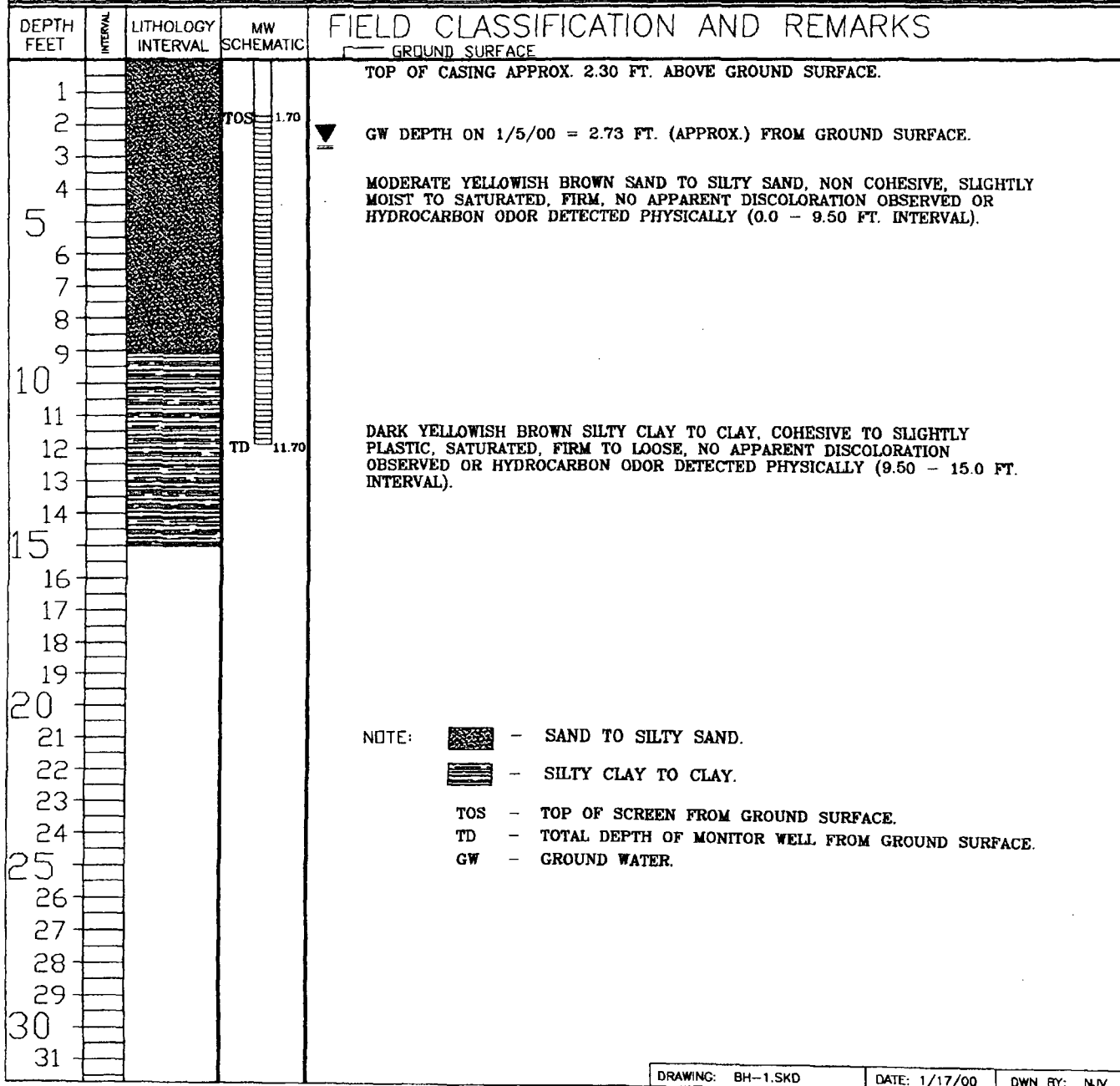
BLAGG ENGINEERING, Inc.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT: XTO ENERGY INC.
LOCATION NAME: HARE GC B #1E
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG (EARTHPROBE)
BORING LOCATION: 61 FT., N23.5E FEET FROM WELL HEAD.

BORING #..... BH - 1
MW #..... 1
PAGE #..... 1
DATE STARTED 10/8/99
DATE FINISHED 10/8/99
OPERATOR..... REP
PREPARED BY NJV



DRAWING: BH-1.SKD

DATE: 1/17/00

DWN BY: NJV

FIGURE 7

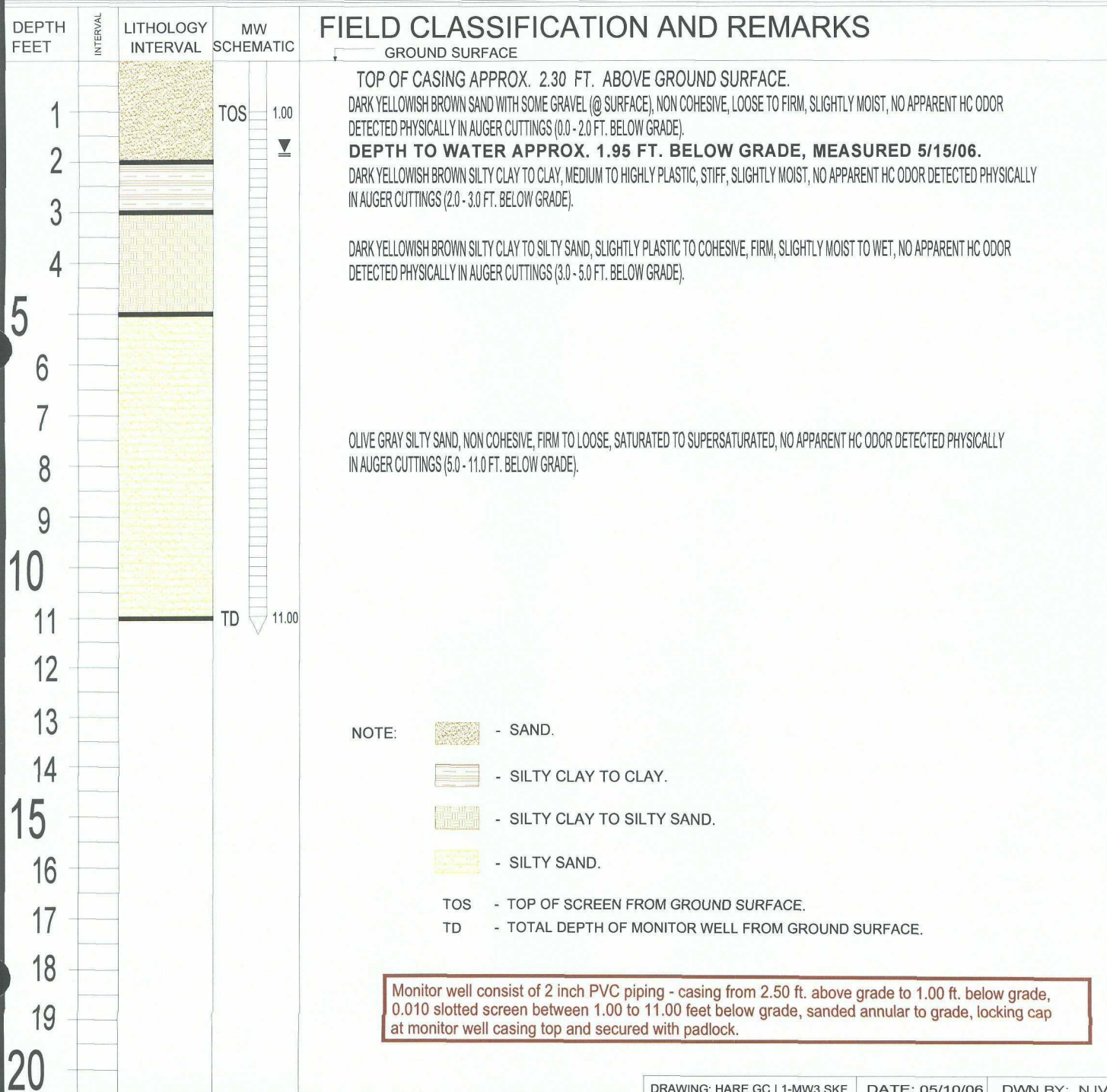
BLAGG ENGINEERING, INC.

P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

BORE / TEST HOLE REPORT

CLIENT: **XTO ENERGY INC.**
LOCATION NAME: **HARE GC I #1 - COMPRESSOR PIT, UNIT E, SEC. 23, T29N, R11W**
CONTRACTOR: **BLAGG ENGINEERING, INC. / ENVIROTECH, INC.**
EQUIPMENT USED: **MOBILE DRILL RIG (CME 75)**
BORING LOCATION: **155 FT., N86E FROM WELL HEAD.**

BORING #..... BH-2
MW #..... 3
PAGE #..... 2
DATE STARTED 5/10/06
DATE FINISHED 5/10/06
OPERATOR..... DP
PREPARED BY NJV



Hall Environmental Analysis Laboratory, Inc.

Date: 15-Dec-06

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0612122

Lab ID: 0612122-04

Collection Date: 12/7/2006 1:42:00 PM

Client Sample ID: Hare Gas Com B1 MW-2

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	12/13/2006 8:33:52 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 8:33:52 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 8:33:52 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 8:33:52 PM
Surr: 4-Bromofluorobenzene	79.7	70.2-105		%REC	1	12/13/2006 8:33:52 PM

Lab ID: 0612122-05

Collection Date: 12/7/2006 2:45:00 PM

Client Sample ID: Hare Gas Com I1 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	12/13/2006 9:03:58 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 9:03:58 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 9:03:58 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 9:03:58 PM
Surr: 4-Bromofluorobenzene	79.4	70.2-105		%REC	1	12/13/2006 9:03:58 PM

Lab ID: 0612122-06

Collection Date: 12/7/2006 2:30:00 PM

Client Sample ID: Hare Gas Com I1 MW-3

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	12/13/2006 9:33:55 PM
Toluene	ND	1.0		µg/L	1	12/13/2006 9:33:55 PM
Ethylbenzene	ND	1.0		µg/L	1	12/13/2006 9:33:55 PM
Xylenes, Total	ND	3.0		µg/L	1	12/13/2006 9:33:55 PM
Surr: 4-Bromofluorobenzene	80.7	70.2-105		%REC	1	12/13/2006 9:33:55 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: 15-Dec-06

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0612122**Lab ID:** 0612122-07**Collection Date:** 12/7/2006 2:50:00 PM**Client Sample ID:** Hare Gas Com I1 MW-2**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

EPA METHOD 8021B: VOLATILES

Analyst: NSB

Benzene	ND	10		µg/L	10	12/13/2006 10:06:39 PM
Toluene	ND	10		µg/L	10	12/13/2006 10:06:39 PM
Ethylbenzene	ND	10		µg/L	10	12/13/2006 10:06:39 PM
Xylenes, Total	ND	30		µg/L	10	12/13/2006 10:06:39 PM
Surr: 4-Bromofluorobenzene	81.0	70.2-105		%REC	10	12/13/2006 10:06:39 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: 0612122

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

Method: SW8021

Sample ID: 5ML REAGENT BLA

MBLK

Batch ID: R21800 Analysis Date: 12/13/2006 8:26:25 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

LCS

Batch ID: R21800 Analysis Date: 12/13/2006 4:33:03 PM

Benzene 18.09 µg/L 1.0 90.4 85.9 113

Toluene 17.99 µg/L 1.0 89.9 86.4 113

Ethylbenzene 17.55 µg/L 1.0 87.7 83.5 118

Xylenes, Total 52.58 µg/L 3.0 87.6 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

Hall Environmental Analysis Laboratory, Inc.

Date: 05-Apr-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0703474

Lab ID: 0703474-01

Collection Date: 3/27/2007 1:48:00 PM

Client Sample ID: Hare GCI #1 MW-3

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/2/2007 10:30:37 AM
Toluene	ND	1.0		µg/L	1	4/2/2007 10:30:37 AM
Ethylbenzene	ND	1.0		µg/L	1	4/2/2007 10:30:37 AM
Xylenes, Total	ND	2.0		µg/L	1	4/2/2007 10:30:37 AM
Surr: 4-Bromofluorobenzene	91.4	70.2-105		%REC	1	4/2/2007 10:30:37 AM

Lab ID: 0703474-02

Collection Date: 3/27/2007 2:32:00 PM

Client Sample ID: Hare GCI #1 MW-2

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	4/2/2007 11:00:46 AM
Toluene	ND	1.0		µg/L	1	4/2/2007 11:00:46 AM
Ethylbenzene	ND	1.0		µg/L	1	4/2/2007 11:00:46 AM
Xylenes, Total	ND	2.0		µg/L	1	4/2/2007 11:00:46 AM
Surr: 4-Bromofluorobenzene	92.7	70.2-105		%REC	1	4/2/2007 11:00:46 AM

Lab ID: 0703474-03

Collection Date: 3/27/2007 2:48:00 PM

Client Sample ID: Hare GCI #1 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	4/2/2007 11:30:56 AM
Toluene	ND	1.0		µg/L	1	4/2/2007 11:30:56 AM
Ethylbenzene	ND	1.0		µg/L	1	4/2/2007 11:30:56 AM
Xylenes, Total	ND	2.0		µg/L	1	4/2/2007 11:30:56 AM
Surr: 4-Bromofluorobenzene	91.4	70.2-105		%REC	1	4/2/2007 11:30:56 AM

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 1 / 10

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: 0703474

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

Method: SW8021

Sample ID: 0703474-01A MSD

MSD

Batch ID: R23096

Analysis Date: 4/3/2007 10:37:09 AM

Benzene	19.32	µg/L	1.0	96.6	85.9	113	2.09	27	
Toluene	19.77	µg/L	1.0	98.8	86.4	113	1.70	19	
Ethylbenzene	19.98	µg/L	1.0	99.9	83.5	118	2.36	10	
Xylenes, Total	59.32	µg/L	2.0	98.9	83.4	122	2.06	13	

Sample ID: 5ML REAGENT BLA

MBLK

Batch ID: R23076

Analysis Date: 4/2/2007 8:45:02 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: 5ML RB-II

MBLK

Batch ID: R23076

Analysis Date: 4/3/2007 12:13:23 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: 5ML REAGENT BLA

MBLK

Batch ID: R23096

Analysis Date: 4/3/2007 8:06:11 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: 5ML REAGENT BLA

MBLK

Batch ID: R23114

Analysis Date: 4/4/2007 8:09:19 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: R23076

Analysis Date: 4/2/2007 5:37:16 PM

Benzene	23.32	µg/L	1.0	117	85.9	113			S
Toluene	22.53	µg/L	1.0	111	86.4	113			
Ethylbenzene	20.71	µg/L	1.0	104	83.5	118			
Xylenes, Total	62.13	µg/L	2.0	103	83.4	122			

Sample ID: 100NG BTEX LCS-II

LCS

Batch ID: R23076

Analysis Date: 4/3/2007 12:43:23 AM

Benzene	19.86	µg/L	1.0	97.6	85.9	113			
Toluene	20.09	µg/L	1.0	99.8	86.4	113			
Ethylbenzene	20.01	µg/L	1.0	100	83.5	118			
Xylenes, Total	59.59	µg/L	2.0	99.0	83.4	122			

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R23096

Analysis Date: 4/3/2007 4:13:33 PM

Benzene	20.24	µg/L	1.0	99.1	85.9	113			
Toluene	20.61	µg/L	1.0	102	86.4	113			
Ethylbenzene	20.85	µg/L	1.0	104	83.5	118			
Xylenes, Total	62.10	µg/L	2.0	103	83.4	122			

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R23114

Analysis Date: 4/4/2007 12:30:51 PM

Benzene	19.85	µg/L	1.0	99.2	85.9	113			
Toluene	20.02	µg/L	1.0	100	86.4	113			

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0703474

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 100NG BTEX LCS		LCS			Batch ID: R23114	Analysis Date: 4/4/2007 12:30:51 PM			
Ethylbenzene	20.43	µg/L	1.0	102	83.5	118			
Xylenes, Total	60.81	µg/L	2.0	101	83.4	122			
Sample ID: 100NG BTEX LCSD-I		LCSD			Batch ID: R23076	Analysis Date: 4/3/2007 1:13:30 AM			
Benzene	19.77	µg/L	1.0	97.2	85.9	113	0.474	27	
Toluene	19.93	µg/L	1.0	99.0	86.4	113	0.809	19	
Ethylbenzene	19.91	µg/L	1.0	99.6	83.5	118	0.511	10	
Xylenes, Total	59.20	µg/L	2.0	98.3	83.4	122	0.657	13	
Sample ID: 100NG BTEX LCSD		LCSD			Batch ID: R23114	Analysis Date: 4/4/2007 1:01:01 PM			
Benzene	19.57	µg/L	1.0	97.8	85.9	113	1.42	27	
Toluene	19.76	µg/L	1.0	98.8	86.4	113	1.32	19	
Ethylbenzene	20.00	µg/L	1.0	100	83.5	118	2.11	10	
Xylenes, Total	59.61	µg/L	2.0	99.3	83.4	122	1.99	13	
Sample ID: 0703474-01A MS		MS			Batch ID: R23096	Analysis Date: 4/3/2007 10:06:58 AM			
Benzene	18.92	µg/L	1.0	94.6	85.9	113			
Toluene	19.43	µg/L	1.0	97.2	86.4	113			
Ethylbenzene	19.52	µg/L	1.0	97.6	83.5	118			
Xylenes, Total	58.11	µg/L	2.0	96.8	83.4	122			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 21-Jun-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0706237

Lab ID: 0706237-22

Collection Date: 6/13/2007 2:50:00 PM

Client Sample ID: ~~Hare GCEI-MW-4~~

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/19/2007 10:13:44 PM
Toluene	ND	1.0		µg/L	1	6/19/2007 10:13:44 PM
Ethylbenzene	ND	1.0		µg/L	1	6/19/2007 10:13:44 PM
Xylenes, Total	ND	2.0		µg/L	1	6/19/2007 10:13:44 PM
Surr: 4-Bromofluorobenzene	82.2	70.2-105		%REC	1	6/19/2007 10:13:44 PM

Lab ID: 0706237-23

Collection Date: 6/13/2007 3:32:00 PM

Client Sample ID: Hare GCI/MW-2

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/20/2007 7:06:41 AM
Toluene	ND	1.0		µg/L	1	6/20/2007 7:06:41 AM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2007 7:06:41 AM
Xylenes, Total	ND	2.0		µg/L	1	6/20/2007 7:06:41 AM
Surr: 4-Bromofluorobenzene	90.0	70.2-105		%REC	1	6/20/2007 7:06:41 AM

Lab ID: 0706237-24

Collection Date: 6/13/2007 3:53:00 PM

Client Sample ID: Hare GCI/MW-3

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/20/2007 7:36:47 AM
Toluene	ND	1.0		µg/L	1	6/20/2007 7:36:47 AM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2007 7:36:47 AM
Xylenes, Total	ND	2.0		µg/L	1	6/20/2007 7:36:47 AM
Surr: 4-Bromofluorobenzene	82.0	70.2-105		%REC	1	6/20/2007 7:36:47 AM

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: 21-Jun-07

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0706237**Lab ID:** 0706237-25**Collection Date:** 6/13/2007 4:22:00 PM**Client Sample ID:** Hare GCI/MW-1**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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EPA METHOD 8021B: VOLATILES

Analyst: NSB

Benzene	ND	1.0		µg/L	1	6/20/2007 8:23:01 PM
Toluene	ND	1.0		µg/L	1	6/20/2007 8:23:01 PM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2007 8:23:01 PM
Xylenes, Total	ND	2.0		µg/L	1	6/20/2007 8:23:01 PM
Surr: 4-Bromofluorobenzene	93.1	70.2-105		%REC	1	6/20/2007 8:23:01 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: 0706237

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0706237-12A MSD									
		MSD			Batch ID: R24017	Analysis Date: 6/18/2007 12:21:32 PM			
Benzene	18.72	µg/L	1.0	93.6	85.9	113	4.52	27	
Toluene	18.79	µg/L	1.0	94.0	86.4	113	4.64	19	
Ethylbenzene	18.60	µg/L	1.0	93.0	83.5	118	4.77	10	
Xylenes, Total	55.68	µg/L	2.0	92.8	83.4	122	3.58	13	
Sample ID: 0706237-25A MSD									
		MSD			Batch ID: R24049	Analysis Date: 6/20/2007 9:23:49 PM			
Benzene	19.29	µg/L	1.0	96.5	85.9	113	2.88	27	
Toluene	18.77	µg/L	1.0	93.9	86.4	113	2.82	19	
Ethylbenzene	18.77	µg/L	1.0	93.8	83.5	118	2.60	10	
Xylenes, Total	54.62	µg/L	2.0	91.0	83.4	122	2.24	13	
Sample ID: 5ML REAGENT BLA									
		MBLK			Batch ID: R24013	Analysis Date: 6/15/2007 8:56:45 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: 5ML REAGENT BLA									
		MBLK			Batch ID: R24017	Analysis Date: 6/18/2007 10:56:56 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: 5ML REAGENT BLA									
		MBLK			Batch ID: R24036	Analysis Date: 6/19/2007 9:56:41 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: 5ML REAGENT BLA									
		MBLK			Batch ID: R24049	Analysis Date: 6/20/2007 10:05:12 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: R24013	Analysis Date: 6/15/2007 11:42:55 PM			
Benzene	19.24	µg/L	1.0	96.2	85.9	113			
Toluene	18.67	µg/L	1.0	93.4	86.4	113			
Ethylbenzene	18.36	µg/L	1.0	91.8	83.5	118			
Xylenes, Total	54.32	µg/L	2.0	90.5	83.4	122			
Sample ID: 100NG BTEX LCS									
		LCS			Batch ID: R24017	Analysis Date: 6/18/2007 12:51:39 PM			
Benzene	18.99	µg/L	1.0	94.9	85.9	113			
Toluene	19.05	µg/L	1.0	95.3	86.4	113			
Ethylbenzene	18.69	µg/L	1.0	93.4	83.5	118			
Xylenes, Total	56.17	µg/L	2.0	93.6	83.4	122			
Sample ID: 100NG BTEX LCS									
		LCS			Batch ID: R24036	Analysis Date: 6/19/2007 11:27:18 AM			
Benzene	19.95	µg/L	1.0	99.7	85.9	113			
Toluene	20.29	µg/L	1.0	101	86.4	113			

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0706237

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: SW8021

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R24036

Analysis Date: 6/19/2007 11:27:18 AM

Ethylbenzene

20.10

µg/L

1.0

101

83.5

118

Xylenes, Total

59.83

µg/L

2.0

99.7

83.4

122

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R24049

Analysis Date: 6/20/2007 9:54:18 PM

Benzene

18.97

µg/L

1.0

94.9

85.9

113

Toluene

18.46

µg/L

1.0

92.3

86.4

113

Ethylbenzene

18.62

µg/L

1.0

93.1

83.5

118

Xylenes, Total

54.86

µg/L

2.0

91.4

83.4

122

Sample ID: 0706237-12A MS

MS

Batch ID: R24017

Analysis Date: 6/18/2007 11:51:22 AM

Benzene

19.59

µg/L

1.0

98.0

85.9

113

Toluene

19.68

µg/L

1.0

98.4

86.4

113

Ethylbenzene

19.51

µg/L

1.0

97.5

83.5

118

Xylenes, Total

57.71

µg/L

2.0

96.2

83.4

122

Sample ID: 0706237-25A MS

MS

Batch ID: R24049

Analysis Date: 6/20/2007 8:53:24 PM

Benzene

18.74

µg/L

1.0

93.7

85.9

113

Toluene

18.25

µg/L

1.0

91.2

86.4

113

Ethylbenzene

18.29

µg/L

1.0

91.4

83.5

118

Xylenes, Total

53.41

µg/L

2.0

89.0

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

Hall Environmental Analysis Laboratory, Inc.

Date: 08-Oct-07

CLIENT: XTO Energy
Lab Order: 0709406
Project: Ground Water
Lab ID: 0709406-22

Client Sample ID: Hare GC 11 MW-2
Collection Date: 9/27/2007 10:17:00 AM
Date Received: 9/28/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/3/2007 6:33:56 PM
Toluene	ND	1.0		µg/L	1	10/3/2007 6:33:56 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2007 6:33:56 PM
Xylenes, Total	ND	2.0		µg/L	1	10/3/2007 6:33:56 PM
Surr: 4-Bromofluorobenzene	83.6	70.2-105		%REC	1	10/3/2007 6:33:56 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: 08-Oct-07

CLIENT: XTO Energy
Lab Order: 0709406
Project: Ground Water
Lab ID: 0709406-23

Client Sample ID: Hare GC 11 MW-3
Collection Date: 9/27/2007 10:33:00 AM
Date Received: 9/28/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/3/2007 9:06:03 PM
Toluene	ND	1.0		µg/L	1	10/3/2007 9:06:03 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2007 9:06:03 PM
Xylenes, Total	ND	2.0		µg/L	1	10/3/2007 9:06:03 PM
Surr: 4-Bromofluorobenzene	83.6	70.2-105		%REC	1	10/3/2007 9:06:03 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

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Hall Environmental Analysis Laboratory, Inc.

Date: 08-Oct-07

CLIENT: XTO Energy
Lab Order: 0709406
Project: Ground Water
Lab ID: 0709406-24

Client Sample ID: Hare GC II MW-1
Collection Date: 9/27/2007 10:45:00 AM
Date Received: 9/28/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/3/2007 9:36:02 PM
Toluene	ND	1.0		µg/L	1	10/3/2007 9:36:02 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2007 9:36:02 PM
Xylenes, Total	ND	2.0		µg/L	1	10/3/2007 9:36:02 PM
Surr: 4-Bromofluorobenzene	88.3	70.2-105		%REC	1	10/3/2007 9:36:02 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

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Hall Environmental Analysis Laboratory, Inc.

Date: 08-Oct-07

CLIENT: XTO Energy
Lab Order: 0709406
Project: Ground Water
Lab ID: 0709406-28

Client Sample ID: Trip Blank
Collection Date:
Date Received: 9/28/2007
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/3/2007 11:35:56 PM
Toluene	ND	1.0		µg/L	1	10/3/2007 11:35:56 PM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2007 11:35:56 PM
Xylenes, Total	ND	2.0		µg/L	1	10/3/2007 11:35:56 PM
Surr: 4-Bromofluorobenzene	82.7	70.2-105		%REC	1	10/3/2007 11:35:56 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: 0709406

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0709406-01A MSD		MSD	Batch ID: R25409						
			Analysis Date: 10/3/2007 3:45:13 AM						
Benzene	20.98	µg/L	1.0	105	85.9	113	0.580	27	
Toluene	19.97	µg/L	1.0	99.6	86.4	113	0.764	19	
Ethylbenzene	19.95	µg/L	1.0	99.3	83.5	118	1.13	10	
Xylenes, Total	59.14	µg/L	2.0	98.1	83.4	122	0.764	13	
Sample ID: 0709406-20A MSD		MSD	Batch ID: R25420						
			Analysis Date: 10/3/2007 8:05:57 PM						
Benzene	20.94	µg/L	1.0	102	85.9	113	1.15	27	
Toluene	19.97	µg/L	1.0	98.4	86.4	113	1.23	19	
Ethylbenzene	19.95	µg/L	1.0	99.2	83.5	118	2.10	10	
Xylenes, Total	58.87	µg/L	2.0	96.8	83.4	122	1.12	13	
Sample ID: 5ML RB		MBLK	Batch ID: R25409						
			Analysis Date: 10/2/2007 8:14:55 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: 5ML RB		MBLK	Batch ID: R25420						
			Analysis Date: 10/3/2007 9:00:15 AM						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
Sample ID: 100NG BTEX LCS		LCS	Batch ID: R25409						
			Analysis Date: 10/2/2007 8:15:26 PM						
Benzene	20.25	µg/L	1.0	101	85.9	113			
Toluene	19.54	µg/L	1.0	97.3	86.4	113			
Ethylbenzene	19.60	µg/L	1.0	97.4	83.5	118			
Xylenes, Total	58.14	µg/L	2.0	96.2	83.4	122			
Sample ID: 100NG BTEX LCS		LCS	Batch ID: R25420						
			Analysis Date: 10/3/2007 11:00:56 AM						
Benzene	20.65	µg/L	1.0	103	85.9	113			
Toluene	20.04	µg/L	1.0	99.8	86.4	113			
Ethylbenzene	20.04	µg/L	1.0	99.6	83.5	118			
Xylenes, Total	60.00	µg/L	2.0	99.5	83.4	122			
Sample ID: 0709406-01A MS		MS	Batch ID: R25409						
			Analysis Date: 10/3/2007 3:15:09 AM						
Benzene	21.10	µg/L	1.0	105	85.9	113			
Toluene	19.82	µg/L	1.0	98.8	86.4	113			
Ethylbenzene	19.73	µg/L	1.0	98.2	83.5	118			
Xylenes, Total	58.69	µg/L	2.0	97.4	83.4	122			
Sample ID: 0709406-20A MS		MS	Batch ID: R25420						
			Analysis Date: 10/3/2007 7:35:52 PM						
Benzene	20.70	µg/L	1.0	101	85.9	113			
Toluene	19.73	µg/L	1.0	97.2	86.4	113			
Ethylbenzene	19.53	µg/L	1.0	97.1	83.5	118			
Xylenes, Total	58.22	µg/L	2.0	95.7	83.4	122			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Ground Water

Work Order: 0709406

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: E160.1

Sample ID: 0709406-08B MSD

MSD

Batch ID: 13963 Analysis Date: 10/1/2007

Total Dissolved Solids 3202

mg/L

20

104

80

120

0.627

20

Sample ID: MB-13963

MBLK

Batch ID: 13963 Analysis Date: 10/1/2007

Total Dissolved Solids ND

mg/L

20

Sample ID: LCS-13963

LCS

Batch ID: 13963 Analysis Date: 10/1/2007

Total Dissolved Solids 1001

mg/L

20

100

80

120

Sample ID: 0709406-08B MS

MS

Batch ID: 13963 Analysis Date: 10/1/2007

Total Dissolved Solids 3182

mg/L

20

102

80

120

Qualifiers:

E Value above quantitation range

H Holding times for preparation or analysis exceeded

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike recovery outside accepted recovery limits