

3R - 130

**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

3 R 130

XTO ENERGY INC.

ANNUAL GROUNDWATER REPORT

2007

***SULLIVAN FRAME A #1E
(A) SECTION 30 – T29N – R10W, NMPM
SAN JUAN COUNTY, NEW MEXICO***

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

January 2008

TABLE OF CONTENTS

Site Details	3
Previous Activities	3
Site Map	3
Summary Tables	3
Potentiometric Surface Diagrams	3
Annual Groundwater Remediation Reports	3
2007 Activities	3
Geologic Logs and Well Completion Diagrams	3
Disposition of Generated Wastes	3
Conclusions	4
Recommendations	4

Appendices

Table 1:	Summary Groundwater Laboratory Results
Table 2:	General Water Chemistry
Figure 1:	Site Map
Figures 2 - 5:	Potentiometric Surface Diagrams
Figures 6 - 8:	Geologic Logs and Well Completion Diagrams
Attachment 1:	2006 & 2007 Laboratory Reports

2007 XTO GROUNDWATER REPORT

SULLIVAN FRAME A #1E

SITE DETAILS

LEGALS - TWN: 29N RNG: 10W SEC: 30 UNIT: A
NMOCD HAZARD RANKING: 30 LAND TYPE: FEE

PREVIOUS ACTIVITIES

Excavation: Jun-94 (160 CY)
Quarterly Sampling Initiated: Nov-99

Monitoring Wells: Oct-99
Sampling Dates: Jul-06, Oct-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. A summary of General Water Quality from 1999 is presented as Table 2. 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 towards the north. In April 2007 the groundwater flow exhibited a northwest gradient. This change is attributed to the influence of increased flow of the adjacent San Juan River. Figures 2 - 5 illustrate the estimated groundwater gradients for 2006 and 2007.

ANNUAL GROUNDWATER REMEDIATION REPORTS

Previous groundwater reports submitted to New Mexico Oil Conservation Division (NMOCD) in 2005 and 2006 recommended 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 in 2007. Analytical results demonstrate no detectable levels of benzene, toluene, ethyl benzene and total xylenes (BTEX) constituents in groundwater.

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

Bore/Test Hole Reports are presented as Figures 6 - 8 representing drilling that occurred on site in October 1999.

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 Sullivan Frame A #1E from Amoco Production Company. XTO understands the initial evaluation of groundwater impact came from samples collected from groundwater pooled in the bottom of a pit during pit closure activities. The initial samples demonstrated high levels of dissolved BTEX in the groundwater. In 1999 three groundwater monitoring wells were installed to delineate the extent of hydrocarbon impact to groundwater. Groundwater samples collected from the groundwater monitoring wells exhibited no detectable levels of BTEX constituents above the detection limits of laboratory equipment (0.2 ug/L). Site sampling was terminated and request for closure was submitted. NMOCD denied the request for closure until four consecutive quarters of groundwater samples demonstrated New Mexico Water Quality Control Commission (NMWQCC) standards were met.

Groundwater analytical data from MW-1, MW-2, and MW-3 have demonstrated no detectable levels of BTEX constituents indicating 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

SULLIVAN FRAME A #1E- DEHY. PIT
UNIT A, SEC. 30, T29N, R10W

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
3-Nov-99	MW #1	17.1	30		ND	ND	ND	ND
13-Jul-06		18.86	26.9		ND	ND	ND	ND
16-Oct-06		17.17	26.9		ND	ND	ND	ND
18-Jan-07		16.89	26.9		ND	ND	ND	ND
11-Apr-07		17.53	26.9		ND	ND	ND	ND
3-Nov-99	MW #2	14.04	25		ND	ND	ND	ND
13-Jul-06		5.7	7.44		ND	ND	ND	ND
16-Oct-06		16.27	7.44		ND	ND	ND	ND
18-Jan-07		15.93	25.47		ND	ND	ND	ND
11-Apr-07		16.48	25.47		ND	ND	ND	ND
3-Nov-99	MW #3	16.8	30		ND	ND	ND	ND
13-Jul-06		15.27	22.39		ND	ND	ND	ND
16-Oct-06		16.73	22.39		ND	ND	ND	ND
18-Jan-07		16.29	22.39		ND	ND	ND	ND
11-Apr-07		16.81	22.39		ND	ND	ND	ND
NMWQCC GROUNDWATER STANDARDS					10	750	750	620

TABLE 2

XTO ENERGY INC. GROUNDWATER LAB RESULTS

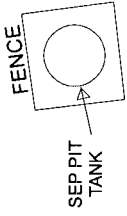
SULLIVAN FRAME A #1E- DEHY. PIT
UNIT A, SEC. 30, T29N, R10W

Sample Date: November 3, 1999

PARAMETERS	MW #1	MW #2	MW #3	UNITS
LAB Ph	7.11	7.04	7.65	s.u.
LAB CONDUCTIVITY @ 25 C	3,840	2,445	1,988	umhos/cm
TOTAL DISSOLVED SOLIDS @ 180 C	1,910	1,220	995	mg/L
TOTAL DISSOLVED SOLIDS (Calc)	1,860	1,209	971	mg/L
SODIUM ABSORPTION RATIO	16	7.9	7.2	ratio
TOTAL ALKALINITY AS CaCO ₃	192	304	422	mg/L
TOTAL HARDNESS AS CaCO ₃	202	265	217	mg/L
BICARBONATE AS HCO ₃	192	304	422	mg/L
CARBONATE AS CO ₃	< 1	< 1	< 1	mg/L
HYDROXIDE AS OH	< 1	< 1	< 1	mg/L
NITRATE NITROGEN	4.2	0.2	0.1	mg/L
NITRITE NITROGEN	0.05	0.005	0.01	mg/L
CHLORIDE	1.4	4.2	6.7	mg/L
FLUORIDE	1.91	1.03	1.7	mg/L
PHOSPHATE	0.3	0.3	1.6	mg/L
SULFATE	1,133	625	373	mg/L
IRON	< 0.001	< 0.001	< 0.001	mg/L
CALCIUM	66.6	83.2	81.4	mg/L
MAGNESIUM	8.78	14	3.24	mg/L
POTASSIUM	3.72	1.7	5.6	mg/L
SODIUM	524	295	242	mg/L
CATION/ANION DIFFERENCE	0.03	0.01	0.03	%

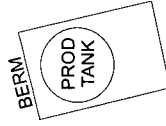


Approximately 2500' to
San Juan River
(W flow direction)

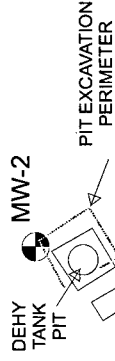


WELL HEAD
⊕

MW-3



MW-2



DEHY

METER
RUNS

MW-1

ACCESS ROAD

1 INCH = 50 FEET
0 50 100 FT.

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.

Lodestar Services, Inc
PO Box 3861
Farmington, NM 87499

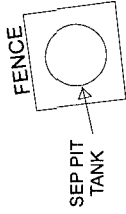
SULLIVAN FRAME A #1E
NE/4 NE/4 SEC. 30, T29N, R10W
SAN JUAN COUNTY, NEW MEXICO

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

SITEMAP
FIGURE 1

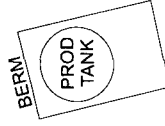


Approximately 2500' to
San Juan River
(W flow direction)



WELL HEAD

MW-3
DAMAGED WELL



MW-2
DAMAGED WELL
PIT EXCAVATION
PERIMETER

DEHY
TANK
PIT

DEHY

METER
RUNS

ACCESS ROAD

MW-1
TOC = 5494.38
GWEL = 5475.52



NOTES:

1. Groundwater contours and flow direction could not be inferred due to the lack of data. Only one control point exists.
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

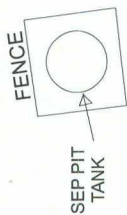
SULLIVAN FRAME A #1E
NE/4 NE/4 SEC. 30, T29N, R10W
SAN JUAN COUNTY, NEW MEXICO

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

GROUNDWATER GRADIENT MAP
07/13/2006
FIGURE 2



Approximately 2500' to
San Juan River
(W flow direction)



FLOW = 0.013



MW-3
TOC = 5492.63
GWEL = 5475.90

5476.00



MW-2
TOC = 5492.66
GWEL = 5476.39



5477.00

METER
RUNS



MW-1
TOC = 5494.38
GWEL = 5477.21

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

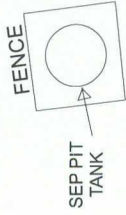
SULLIVAN FRAME A #1E
NE/4 NE/4 SEC. 30, T29N, R10W
SAN JUAN COUNTY, NEW MEXICO

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

GROUNDWATER GRADIENT MAP
10/16/2006
FIGURE 3



Approximately 2500' to
San Juan River
(W flow direction)



FLOW = 0.008



5476.00

MW-3
TOC = 5492.63
GWEL = 5476.34

5476.50



MW-2
TOC = 5492.66
GWEL = 5476.73



5477.00



1 INCH = 50 FEET
0 50 100 FT.

MW-1
TOC = 5494.38
GWEL = 5477.49

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

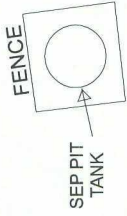
SULLIVAN FRAME A #1E
NE/4 NE/4 SEC. 30, T29N, R10W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 01/19/07

GROUNDWATER GRADIENT MAP
01/18/2007
FIGURE 4



Approximately 2500' to
San Juan River
(W flow direction)



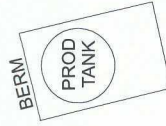
SEP PIT
TANK

WELL HEAD



MW-3
TOC = 5492.63
GWEL = 5477.82

FLOW = 0.095



BERM



MW-2
TOC = 5492.66
GWEL = 5476.18

DEHY
TANK
PIT

PIT EXCAVATION
PERIMETER

DEHY

METER
RUNS

ACCESS ROAD

MW-1
TOC = 5494.38
GWEL = 5476.85



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

SULLIVAN FRAME A #1E
NE/4 NE/4 SEC. 30, T29N, R10W
SAN JUAN COUNTY, NEW MEXICO

PROJECT: XTO GROUND WATER
DRAWN BY: ALA
REVISED: 04/12/07

GROUNDWATER GRADIENT MAP
04/11/2007
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: SULLIVAN FRAME A #1E
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG (ENVIROTECH CME61)
BORING LOCATION: 202 FT., S1.5E FEET FROM WELL HEAD.

BORING #..... BH - 1
MW #..... 1
PAGE #..... 1
DATE STARTED 10/14/99
DATE FINISHED 10/14/99
OPERATOR..... DE
PREPARED BY NJV

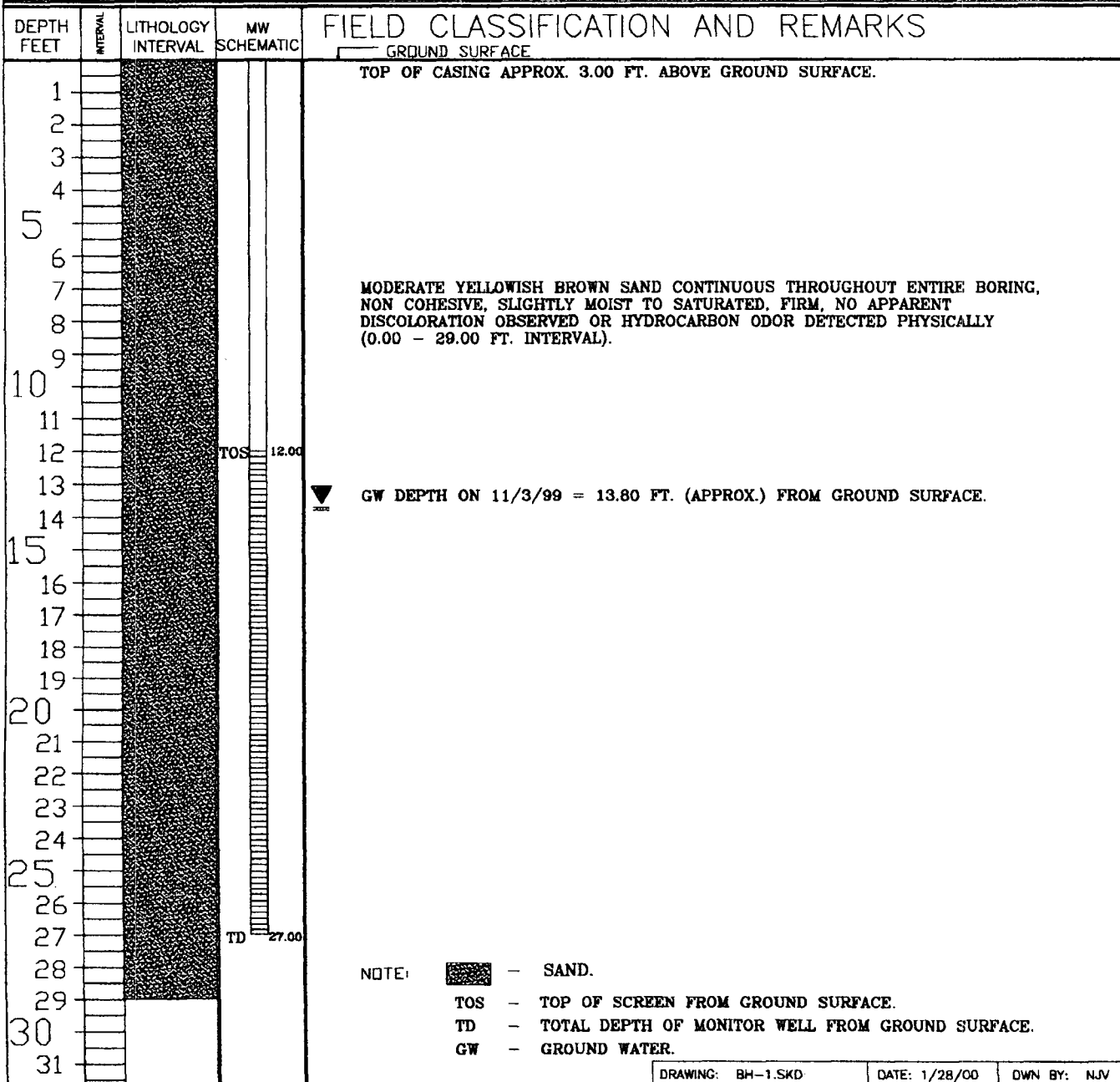


FIGURE 7

BLAGG ENGINEERING, Inc.

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

BORE / TEST HOLE REPORT

BORING #..... BH - 2
MW #..... 2
PAGE #..... 2
DATE STARTED 10/14/99
DATE FINISHED 10/14/99
OPERATOR..... DE
PREPARED BY NJV

CLIENT: XTO ENERGY INC.
LOCATION NAME: SULLIVAN FRAME A #1E
CONTRACTOR: BLAGG ENGINEERING, INC.
EQUIPMENT USED: MOBILE DRILL RIG (ENVIROTECH CME61)
BORING LOCATION: 156 FT., S40E FEET FROM WELL HEAD.

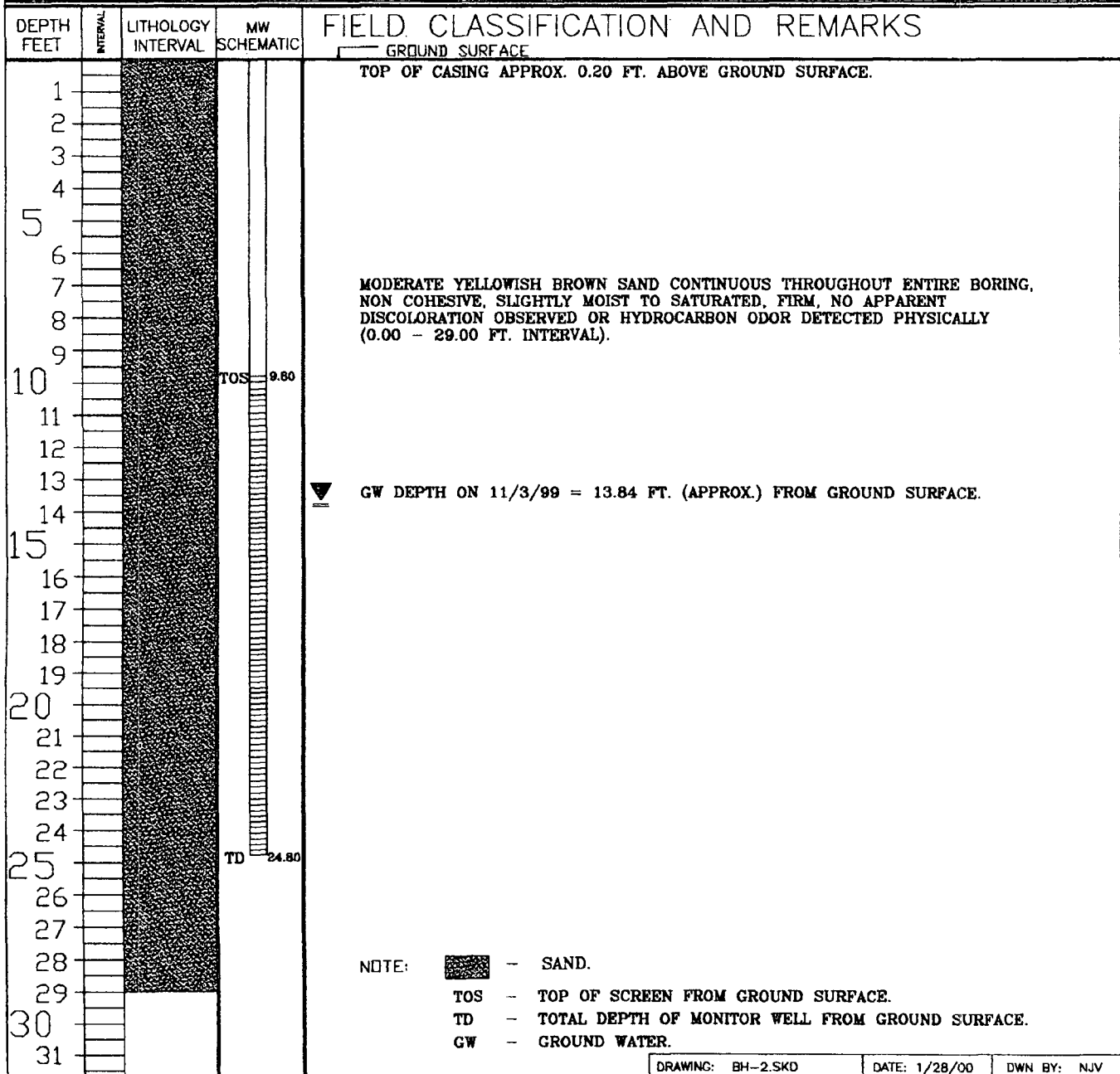


FIGURE 8

BLAGG ENGINEERING, Inc. P.O. BOX 87 BLOOMFIELD, NM 87413 (505) 632-1199			
BORE / TEST HOLE REPORT			BORING #..... BH - 3 MW #..... 3 PAGE #..... 3 DATE STARTED 10/14/99 DATE FINISHED 10/14/99 OPERATOR..... DE PREPARED BY NJV
CLIENT: XTO ENERGY INC. LOCATION NAME: SULLIVAN FRAME A #1E CONTRACTOR: BLAGG ENGINEERING, INC. EQUIPMENT USED: MOBILE DRILL RIG (ENVIROTECH CME61) BORING LOCATION: 75 FT., S24.5E FEET FROM WELL HEAD.			

DEPTH FEET	INTERVAL	LITHOLOGY INTERVAL	MW SCHEMATIC	FIELD CLASSIFICATION AND REMARKS
				GROUND SURFACE
1		SAND		TOP OF CASING APPROX. 2.80 FT. ABOVE GROUND SURFACE.
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
			NOTE: TOS - TOP OF SCREEN FROM GROUND SURFACE. TD - TOTAL DEPTH OF MONITOR WELL FROM GROUND SURFACE. GW - GROUND WATER.	

DRAWING: BH-3.SKD

DATE: 1/28/00

DWN BY: NJV

Hall Environmental Analysis Laboratory, Inc.

Date: 25-Jul-06

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0607176**Lab ID:** 0607176-01**Collection Date:** 7/13/2006 8:51:00 AM**Client Sample ID:** Sullivan Frame AIE 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	7/24/2006 2:48:54 PM
Toluene	ND	1.0		µg/L	1	7/24/2006 2:48:54 PM
Ethylbenzene	ND	1.0		µg/L	1	7/24/2006 2:48:54 PM
Xylenes, Total	ND	3.0		µg/L	1	7/24/2006 2:48:54 PM
Surr: 4-Bromofluorobenzene	102	72.2-125		%REC	1	7/24/2006 2:48:54 PM

Lab ID: 0607176-02**Collection Date:** 7/13/2006 9:18:00 AM**Client Sample ID:** Sullivan Frame AIE 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	7/24/2006 3:17:56 PM
Toluene	ND	1.0		µg/L	1	7/24/2006 3:17:56 PM
Ethylbenzene	ND	1.0		µg/L	1	7/24/2006 3:17:56 PM
Xylenes, Total	ND	3.0		µg/L	1	7/24/2006 3:17:56 PM
Surr: 4-Bromofluorobenzene	94.8	72.2-125		%REC	1	7/24/2006 3:17:56 PM

Lab ID: 0607176-03**Collection Date:** 7/13/2006 9:36:00 AM**Client Sample ID:** Sullivan Frame AIE 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	7/24/2006 3:46:54 PM
Toluene	ND	1.0		µg/L	1	7/24/2006 3:46:54 PM
Ethylbenzene	ND	1.0		µg/L	1	7/24/2006 3:46:54 PM
Xylenes, Total	ND	3.0		µg/L	1	7/24/2006 3:46:54 PM
Surr: 4-Bromofluorobenzene	93.6	72.2-125		%REC	1	7/24/2006 3:46:54 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: 25-Jul-06

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0607176**Lab ID:** 0607176-04
Client Sample ID: 130706TB001**Collection Date:**
Matrix: TRIP BLANK

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

EPA METHOD 8021B: VOLATILES

Analyst: NSB

Benzene	ND	1.0		µg/L	1	7/24/2006 4:15:50 PM
Toluene	ND	1.0		µg/L	1	7/24/2006 4:15:50 PM
Ethylbenzene	ND	1.0		µg/L	1	7/24/2006 4:15:50 PM
Xylenes, Total	ND	3.0		µg/L	1	7/24/2006 4:15:50 PM
Surr: 4-Bromofluorobenzene	98.5	72.2-125		%REC	1	7/24/2006 4:15:50 PM

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: 0607176

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 5ML REAGENT BLA		MBLK							
					Batch ID: R20010	Analysis Date: 7/24/2006 9:17:45 AM			
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	3.0						
Sample ID: 100NG BTEX LCS		LCS							
					Batch ID: R20010	Analysis Date: 7/24/2006 7:38:34 PM			
Benzene	20.42	µg/L	1.0	102	85	115			
Toluene	19.93	µg/L	1.0	99.7	85	118			
Ethylbenzene	19.22	µg/L	1.0	96.1	85	116			
Xylenes, Total	58.45	µg/L	3.0	97.4	85	119			
Sample ID: 100NG BTEX LCSD		LCSD							
					Batch ID: R20010	Analysis Date: 7/24/2006 8:07:32 PM			
Benzene	20.28	µg/L	1.0	101	85	115	0.727	27	
Toluene	19.96	µg/L	1.0	99.8	85	118	0.110	19	
Ethylbenzene	19.75	µg/L	1.0	98.8	85	116	2.71	10	
Xylenes, Total	60.35	µg/L	3.0	101	85	119	3.21	13	

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: 07-Nov-06

CLIENT:	XTO Energy	Client Sample ID:	Sullivan Frame AIE MW-3
Lab Order:	0610211	Collection Date:	10/16/2006 10:22:00 AM
Project:	XTO Ground Water	Date Received:	10/19/2006
Lab ID:	0610211-04	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: SMP
Benzene	ND	1.0		µg/L	1	10/21/2006
Toluene	ND	1.0		µg/L	1	10/21/2006
Ethylbenzene	ND	1.0		µg/L	1	10/21/2006
Xylenes, Total	ND	3.0		µg/L	1	10/21/2006
Surr: 1,2-Dichloroethane-d4	91.9	69.9-130		%REC	1	10/21/2006
Surr: 4-Bromofluorobenzene	98.5	71.2-123		%REC	1	10/21/2006
Surr: Dibromofluoromethane	99.9	73.9-134		%REC	1	10/21/2006
Surr: Toluene-d8	95.9	81.9-122		%REC	1	10/21/2006

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL Reporting Limit
S	Spike recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

Date: 07-Nov-06

CLIENT: XTO Energy
Lab Order: 0610211
Project: XTO Ground Water
Lab ID: 0610211-05

Client Sample ID: Sullivan Frame AIE MW-2
Collection Date: 10/16/2006 10:54:00 AM
Date Received: 10/19/2006
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: SMP
Benzene	ND	1.0		µg/L	1	10/21/2006
Toluene	ND	1.0		µg/L	1	10/21/2006
Ethylbenzene	ND	1.0		µg/L	1	10/21/2006
Xylenes, Total	ND	3.0		µg/L	1	10/21/2006
Surr: 1,2-Dichloroethane-d4	91.0	69.9-130		%REC	1	10/21/2006
Surr: 4-Bromofluorobenzene	101	71.2-123		%REC	1	10/21/2006
Surr: Dibromofluoromethane	99.9	73.9-134		%REC	1	10/21/2006
Surr: Toluene-d8	96.0	81.9-122		%REC	1	10/21/2006

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: 07-Nov-06

CLIENT:	XTO Energy	Client Sample ID:	Sullivan Frame AIE MW-1
Lab Order:	0610211	Collection Date:	10/16/2006 11:23:00 AM
Project:	XTO Ground Water	Date Received:	10/19/2006
Lab ID:	0610211-06	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: SMP
Benzene	ND	1.0		µg/L	1	10/21/2006
Toluene	ND	1.0		µg/L	1	10/21/2006
Ethylbenzene	ND	1.0		µg/L	1	10/21/2006
Xylenes, Total	ND	3.0		µg/L	1	10/21/2006
Surr: 1,2-Dichloroethane-d4	92.4	69.9-130		%REC	1	10/21/2006
Surr: 4-Bromofluorobenzene	101	71.2-123		%REC	1	10/21/2006
Surr: Dibromofluoromethane	98.5	73.9-134		%REC	1	10/21/2006
Surr: Toluene-d8	96.0	81.9-122		%REC	1	10/21/2006

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: 07-Nov-06

CLIENT: XTO Energy
Lab Order: 0610211
Project: XTO Ground Water
Lab ID: 0610211-08

Client Sample ID: 16102006TB01
Collection Date:
Date Received: 10/19/2006
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: SMP
Benzene	ND	1.0		µg/L	1	10/23/2006
Toluene	ND	1.0		µg/L	1	10/23/2006
Ethylbenzene	ND	1.0		µg/L	1	10/23/2006
Xylenes, Total	ND	3.0		µg/L	1	10/23/2006
Surr: 1,2-Dichloroethane-d4	90.4	69.9-130		%REC	1	10/23/2006
Surr: 4-Bromofluorobenzene	103	71.2-123		%REC	1	10/23/2006
Surr: Dibromofluoromethane	97.7	73.9-134		%REC	1	10/23/2006
Surr: Toluene-d8	93.7	81.9-122		%REC	1	10/23/2006

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: XTO Ground Water

Work Order: 0610211

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

Method: E300

Sample ID: MBLK

MBLK

Batch ID: R21108 Analysis Date: 10/19/2006 11:42:41 AM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.10
Bromide	ND	mg/L	0.10
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.10
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50
Sulfate	ND	mg/L	0.50

Sample ID: MBLK

MBLK

Batch ID: R21130 Analysis Date: 10/20/2006 10:58:33 AM

Fluoride	ND	mg/L	0.10
Chloride	ND	mg/L	0.10
Bromide	ND	mg/L	0.10
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.10
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50
Sulfate	ND	mg/L	0.50

Sample ID: LCS ST300-06008

LCS

Batch ID: R21108 Analysis Date: 10/19/2006 12:00:05 PM

Fluoride	0.5223	mg/L	0.10	104	90	110
Chloride	4.928	mg/L	0.10	98.6	90	110
Bromide	2.561	mg/L	0.10	102	90	110
Nitrate (As N)+Nitrite (As N)	3.444	mg/L	0.10	98.4	90	110
Phosphorus, Orthophosphate (As P)	5.087	mg/L	0.50	102	90	110
Sulfate	9.862	mg/L	0.50	98.6	90	110

Sample ID: LCS ST300-06008

LCS

Batch ID: R21130 Analysis Date: 10/20/2006 11:15:58 AM

Fluoride	0.5133	mg/L	0.10	103	90	110
Chloride	4.818	mg/L	0.10	96.4	90	110
Bromide	2.445	mg/L	0.10	97.8	90	110
Nitrate (As N)+Nitrite (As N)	3.467	mg/L	0.10	99.1	90	110
Phosphorus, Orthophosphate (As P)	4.875	mg/L	0.50	97.5	90	110
Sulfate	9.612	mg/L	0.50	96.1	90	110

Method: E310.1

Sample ID: MB

MBLK

Batch ID: R21146 Analysis Date: 10/24/2006

Alkalinity, Total (As CaCO3)	ND	mg/L CaC	2.0
Carbonate	ND	mg/L CaC	2.0
Bicarbonate	ND	mg/L CaC	2.0

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: XTO Ground Water

Work Order: 0610211

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

Method: SW8310

Sample ID: 0610211-07BMSD

MSD

Batch ID: 11533

Analysis Date: 11/2/2006 6:34:13 AM

Naphthalene	314.5	µg/L	2.5	15.2	33.9	87.9	6.44	37.6	SE
1-Methylnaphthalene	140.4	µg/L	2.5	36.5	35.2	85	3.49	35.4	E
2-Methylnaphthalene	266.5	µg/L	2.5	0.340	33.7	83.9	4.37	36.7	SE
Acenaphthylene	19.41	µg/L	2.5	48.4	47.8	85.4	2.36	30.5	
Acenaphthene	28.99	µg/L	2.5	72.5	42.2	86.6	5.45	29.7	
Fluorene	7.901	µg/L	0.040	63.3	47.3	85.1	4.74	25.2	
Phenanthrene	5.291	µg/L	0.020	31.7	53.5	97.3	6.58	19.2	S
Anthracene	1.648	µg/L	0.020	82.0	53.6	93.7	7.14	18.9	
Fluoranthene	3.290	µg/L	0.30	82.0	60.1	98.5	8.36	14.6	
Pyrene	3.399	µg/L	0.30	84.8	57.5	108	3.87	14.7	
Benz(a)anthracene	0.3570	µg/L	0.020	89.0	57.7	106	3.85	15.3	
Chrysene	1.739	µg/L	0.20	86.5	59.1	112	4.28	13.7	
Benzo(b)fluoranthene	0.4230	µg/L	0.050	79.6	58.8	102	11.6	15	
Benzo(k)fluoranthene	0.2210	µg/L	0.020	88.4	58.8	100	5.71	15.9	
Benzo(a)pyrene	0.2040	µg/L	0.020	81.3	49.7	109	8.45	20	
Dibenz(a,h)anthracene	0.4340	µg/L	0.040	86.6	54.1	111	2.73	14.3	
Benzo(g,h,i)perylene	0.4460	µg/L	0.030	89.2	51.3	111	3.74	14.3	
Indeno(1,2,3-cd)pyrene	0.7990	µg/L	0.080	79.7	55	99.9	6.42	15	

Sample ID: MB-11533

MBLK

Batch ID: 11533

Analysis Date: 11/1/2006 11:22:21 PM

Naphthalene	ND	µg/L	2.5						
1-Methylnaphthalene	ND	µg/L	2.5						
2-Methylnaphthalene	ND	µg/L	2.5						
Acenaphthylene	ND	µg/L	2.5						
Acenaphthene	ND	µg/L	2.5						
Fluorene	ND	µg/L	0.040						
Phenanthrene	ND	µg/L	0.020						
Anthracene	ND	µg/L	0.020						
Fluoranthene	ND	µg/L	0.30						
Pyrene	ND	µg/L	0.30						
Benz(a)anthracene	ND	µg/L	0.020						
Chrysene	ND	µg/L	0.20						
Benzo(b)fluoranthene	ND	µg/L	0.050						
Benzo(k)fluoranthene	ND	µg/L	0.020						
Benzo(a)pyrene	ND	µg/L	0.020						
Dibenz(a,h)anthracene	ND	µg/L	0.040						
Benzo(g,h,i)perylene	ND	µg/L	0.030						
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080						

Sample ID: LCS-11533

LCS

Batch ID: 11533

Analysis Date: 11/2/2006 12:10:19 AM

Naphthalene	27.49	µg/L	2.5	68.7	33.9	87.9			
1-Methylnaphthalene	25.61	µg/L	2.5	63.9	35.2	85			
2-Methylnaphthalene	26.61	µg/L	2.5	66.5	33.7	83.9			
Acenaphthylene	30.58	µg/L	2.5	76.3	55	97.9			
Acenaphthene	26.80	µg/L	2.5	67.0	42.2	86.6			
Fluorene	2.691	µg/L	0.040	67.1	47.3	85.1			

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: XTO Ground Water

Work Order: 0610211

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

Method: SW8310

Sample ID: LCS-11533

LCS

Batch ID: 11533

Analysis Date: 11/2/2006 12:10:19 AM

Phenanthrene	1.462	µg/L	0.020	72.7	53.5	97.3			
Anthracene	1.446	µg/L	0.020	71.9	53.6	93.7			
Fluoranthene	3.060	µg/L	0.30	76.3	60.1	98.5			
Pyrene	3.216	µg/L	0.30	80.2	57.5	108			
Benz(a)anthracene	0.3600	µg/L	0.020	89.8	57.7	106			
Chrysene	1.681	µg/L	0.20	83.6	59.1	112			
Benzo(b)fluoranthene	0.4080	µg/L	0.050	81.4	67	110			
Benzo(k)fluoranthene	0.2110	µg/L	0.020	84.4	63.2	106			
Benzo(a)pyrene	0.2040	µg/L	0.020	81.3	49.7	109			
Dibenz(a,h)anthracene	0.4140	µg/L	0.040	82.6	54.1	111			
Benzo(g,h,i)perylene	0.4230	µg/L	0.030	84.6	51.3	111			
Indeno(1,2,3-cd)pyrene	0.7790	µg/L	0.080	77.7	52.3	103			

Sample ID: LCSD-11533

LCSD

Batch ID: 11533

Analysis Date: 11/2/2006 12:58:17 AM

Naphthalene	29.15	µg/L	2.5	72.9	33.9	87.9	5.86	32.1	
1-Methylnaphthalene	26.76	µg/L	2.5	66.7	35.2	85	4.40	32.7	
2-Methylnaphthalene	28.00	µg/L	2.5	70.0	33.7	83.9	5.10	34	
Acenaphthylene	33.47	µg/L	2.5	83.5	55	97.9	9.02	38.8	
Acenaphthene	28.92	µg/L	2.5	72.3	42.2	86.6	7.60	38.6	
Fluorene	2.927	µg/L	0.040	73.0	47.3	85.1	8.40	29.3	
Phenanthrene	1.567	µg/L	0.020	78.0	53.5	97.3	6.93	25	
Anthracene	1.595	µg/L	0.020	79.4	53.6	93.7	9.80	23.9	
Fluoranthene	3.368	µg/L	0.30	84.0	60.1	98.5	9.58	15.7	
Pyrene	3.404	µg/L	0.30	84.9	57.5	108	5.68	15.3	
Benz(a)anthracene	0.3420	µg/L	0.020	85.3	57.7	106	5.13	19	
Chrysene	1.718	µg/L	0.20	85.5	59.1	112	2.18	16.6	
Benzo(b)fluoranthene	0.4210	µg/L	0.050	84.0	67	110	3.14	21.7	
Benzo(k)fluoranthene	0.2160	µg/L	0.020	86.4	63.2	106	2.34	19.4	
Benzo(a)pyrene	0.2170	µg/L	0.020	86.5	49.7	109	6.18	16.7	
Dibenz(a,h)anthracene	0.4510	µg/L	0.040	90.0	54.1	111	8.55	17.3	
Benzo(g,h,i)perylene	0.4430	µg/L	0.030	88.6	51.3	111	4.62	18	
Indeno(1,2,3-cd)pyrene	0.8340	µg/L	0.080	83.2	52.3	103	6.82	17.7	

Sample ID: 0610211-07BMS

MS

Batch ID: 11533

Analysis Date: 11/2/2006 5:46:15 AM

Naphthalene	335.5	µg/L	2.5	67.6	33.9	87.9			E
1-Methylnaphthalene	145.3	µg/L	2.5	48.9	35.2	85			E
2-Methylnaphthalene	278.4	µg/L	2.5	30.1	33.7	83.9			SE
Acenaphthylene	19.88	µg/L	2.5	49.6	47.8	85.4			
Acenaphthene	30.62	µg/L	2.5	76.5	42.2	86.6			
Fluorene	8.285	µg/L	0.040	72.8	47.3	85.1			
Phenanthrene	4.954	µg/L	0.020	15.0	53.5	97.3			S
Anthracene	1.770	µg/L	0.020	88.1	53.6	93.7			
Fluoranthene	3.577	µg/L	0.30	89.2	60.1	98.5			
Pyrene	3.533	µg/L	0.30	88.1	57.5	108			
Benz(a)anthracene	0.3710	µg/L	0.020	92.5	57.7	106			
Chrysene	1.815	µg/L	0.20	90.3	59.1	112			

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: XTO Ground Water

Work Order: 0610211

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8310									
Sample ID: 0610211-07BMS		MS			Batch ID: 11533		Analysis Date: 11/2/2006 5:46:15 AM		
Benzo(b)fluoranthene	0.4750	µg/L	0.050	90.0	58.8	102			
Benzo(k)fluoranthene	0.2340	µg/L	0.020	93.6	58.8	100			
Benzo(a)pyrene	0.2220	µg/L	0.020	88.4	49.7	109			
Dibenz(a,h)anthracene	0.4460	µg/L	0.040	89.0	54.1	111			
Benzo(g,h,i)perylene	0.4630	µg/L	0.030	92.6	51.3	111			
Indeno(1,2,3-cd)pyrene	0.8520	µg/L	0.080	85.0	55	99.9			

Method: SW6010A									
Sample ID: 0610211-07C MSD		MSD			Batch ID: R21153		Analysis Date: 10/24/2006 2:56:51 PM		
Magnesium	57.93	mg/L	1.0	88.5	75	125	5.78	20	
Potassium	53.50	mg/L	1.0	94.9	75	125	2.77	20	
Sodium	67.85	mg/L	1.0	94.3	75	125	6.01	20	
Sample ID: 0610211-07C MSD		MSD			Batch ID: R21153		Analysis Date: 10/24/2006 3:09:54 PM		
Calcium	115.5	mg/L	2.0	85.9	75	125	3.08	20	
Sample ID: MB		MBLK			Batch ID: R21153		Analysis Date: 10/24/2006 2:34:31 PM		
Calcium	ND	mg/L	1.0						
Magnesium	ND	mg/L	1.0						
Potassium	ND	mg/L	1.0						
Sodium	ND	mg/L	1.0						
Sample ID: LCS		LCS			Batch ID: R21153		Analysis Date: 10/24/2006 2:37:37 PM		
Calcium	49.33	mg/L	1.0	97.7	80	120			
Magnesium	49.66	mg/L	1.0	98.3	80	120			
Potassium	53.75	mg/L	1.0	97.7	80	120			
Sodium	53.37	mg/L	1.0	106	80	120			
Sample ID: 0610211-07C MS		MS			Batch ID: R21153		Analysis Date: 10/24/2006 2:54:38 PM		
Magnesium	61.38	mg/L	1.0	95.3	75	125			
Potassium	55.00	mg/L	1.0	97.6	75	125			
Sodium	72.06	mg/L	1.0	103	75	125			
Sample ID: 0610211-07C MS		MS			Batch ID: R21153		Analysis Date: 10/24/2006 3:12:56 PM		
Calcium	119.1	mg/L	2.0	93.1	75	125	0	0	

Method: E160.1									
Sample ID: MB-11549		MBLK			Batch ID: 11549		Analysis Date: 10/23/2006		
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-11549		LCS			Batch ID: 11549		Analysis Date: 10/23/2006		
Total Dissolved Solids	1000	mg/L	20	100	80	120			

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: XTO Ground Water

Work Order: 0610211

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8260B									
Sample ID: 5ml rb		MBLK			Batch ID: R21123	Analysis Date:			10/20/2006
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: bk2		MBLK			Batch ID: R21129	Analysis Date:			10/23/2006
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 b		LCS			Batch ID: R21123	Analysis Date:			10/20/2006
Benzene	20.72	µg/L	1.0	104	74.9	113			
Toluene	18.95	µg/L	1.0	94.7	77	121			
Sample ID: 100ng lcs b		LCS			Batch ID: R21129	Analysis Date:			10/24/2006
Benzene	19.92	µg/L	1.0	99.6	74.9	113			
Toluene	17.79	µg/L	1.0	88.9	77	121			
Sample ID: 100ng lcsd b		LCSD			Batch ID: R21123	Analysis Date:			10/21/2006
Benzene	20.15	µg/L	1.0	101	74.9	113	2.78	20	

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: 23-Jan-07

CLIENT: XTO Energy
Project: Ground Water

Lab Order: 0701243

Lab ID: 0701243-04

Collection Date: 1/18/2007 11:19:00 AM

Client Sample ID: Sullivan Frame AIE MW-1

Matrix: AQUEOUS

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

EPA METHOD 8021B: VOLATILES

Analyst: LMM

Benzene	ND	1.0		µg/L	1	1/19/2007 5:08:52 PM
Toluene	ND	1.0		µg/L	1	1/19/2007 5:08:52 PM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2007 5:08:52 PM
Xylenes, Total	ND	3.0		µg/L	1	1/19/2007 5:08:52 PM
Surr: 4-Bromofluorobenzene	88.5	70.2-105		%REC	1	1/19/2007 5:08:52 PM

Lab ID: 0701243-05

Collection Date: 1/18/2007 11:50:00 AM

Client Sample ID: Sullivan Frame AIE MW-2R

Matrix: AQUEOUS

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

EPA METHOD 8021B: VOLATILES

Analyst: LMM

Benzene	ND	1.0		µg/L	1	1/19/2007 5:41:26 PM
Toluene	ND	1.0		µg/L	1	1/19/2007 5:41:26 PM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2007 5:41:26 PM
Xylenes, Total	ND	3.0		µg/L	1	1/19/2007 5:41:26 PM
Surr: 4-Bromofluorobenzene	90.5	70.2-105		%REC	1	1/19/2007 5:41:26 PM

Lab ID: 0701243-06

Collection Date: 1/18/2007 12:22:00 PM

Client Sample ID: Sullivan Frame AIE MW-3

Matrix: AQUEOUS

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

EPA METHOD 8021B: VOLATILES

Analyst: LMM

Benzene	ND	1.0		µg/L	1	1/19/2007 7:41:58 PM
Toluene	ND	1.0		µg/L	1	1/19/2007 7:41:58 PM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2007 7:41:58 PM
Xylenes, Total	ND	3.0		µg/L	1	1/19/2007 7:41:58 PM
Surr: 4-Bromofluorobenzene	90.5	70.2-105		%REC	1	1/19/2007 7:41:58 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: 23-Jan-07

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0701243**Lab ID:** 0701243-10**Collection Date:****Client Sample ID:** Trip Blank**Matrix:** TRIP BLANK

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

EPA METHOD 8021B: VOLATILES

Analyst: LMM

Benzene	ND	1.0		µg/L	1	1/19/2007 9:42:17 PM
Toluene	ND	1.0		µg/L	1	1/19/2007 9:42:17 PM
Ethylbenzene	ND	1.0		µg/L	1	1/19/2007 9:42:17 PM
Xylenes, Total	ND	3.0		µg/L	1	1/19/2007 9:42:17 PM
Surr: 4-Bromofluorobenzene	90.2	70.2-105		%REC	1	1/19/2007 9:42:17 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: 0701243

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: SW8021									
Sample ID: 0701243-05A MSD		MSD			Batch ID: R22202	Analysis Date: 1/19/2007 7:11:56 PM			
Benzene	18.34	µg/L	1.0	91.7	85.9	113	1.76	27	
Toluene	18.78	µg/L	1.0	93.9	86.4	113	0.912	19	
Ethylbenzene	18.82	µg/L	1.0	94.1	83.5	118	1.70	10	
Xylenes, Total	55.94	µg/L	3.0	93.2	83.4	122	1.91	13	
Sample ID: 5ML RB		MBLK			Batch ID: R22202	Analysis Date: 1/19/2007 10:19:43 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: R22217	Analysis Date: 1/22/2007 10:28:43 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: R22202	Analysis Date: 1/19/2007 11:50:06 AM			
Benzene	18.37	µg/L	1.0	91.8	85.9	113			
Toluene	18.84	µg/L	1.0	94.2	86.4	113			
Ethylbenzene	18.96	µg/L	1.0	94.8	83.5	118			
Xylenes, Total	56.97	µg/L	3.0	95.0	83.4	122			
Sample ID: 100NG BTEX LCS		LCS			Batch ID: R22217	Analysis Date: 1/22/2007 11:29:07 AM			
Benzene	18.52	µg/L	1.0	92.6	85.9	113			
Toluene	19.07	µg/L	1.0	95.4	86.4	113			
Ethylbenzene	19.43	µg/L	1.0	97.1	83.5	118			
Xylenes, Total	57.94	µg/L	3.0	96.6	83.4	122			
Sample ID: 0701243-05A MS		MS			Batch ID: R22202	Analysis Date: 1/19/2007 6:41:45 PM			
Benzene	18.66	µg/L	1.0	93.3	85.9	113			
Toluene	18.95	µg/L	1.0	94.8	86.4	113			
Ethylbenzene	19.14	µg/L	1.0	95.7	83.5	118			
Xylenes, Total	57.01	µg/L	3.0	95.0	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: 18-Apr-07

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0704208**Lab ID:** 0704208-04**Collection Date:** 4/11/2007 11:46:00 AM**Client Sample ID:** Sullivan Frame AIE 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	4/17/2007 2:28:19 PM
Toluene	ND	1.0		µg/L	1	4/17/2007 2:28:19 PM
Ethylbenzene	ND	1.0		µg/L	1	4/17/2007 2:28:19 PM
Xylenes, Total	ND	2.0		µg/L	1	4/17/2007 2:28:19 PM
Surr: 4-Bromofluorobenzene	87.3	70.2-105		%REC	1	4/17/2007 2:28:19 PM

Lab ID: 0704208-05**Collection Date:** 4/11/2007 12:22:00 PM**Client Sample ID:** Sullivan Frame AIE 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	4/17/2007 2:58:29 PM
Toluene	ND	1.0		µg/L	1	4/17/2007 2:58:29 PM
Ethylbenzene	ND	1.0		µg/L	1	4/17/2007 2:58:29 PM
Xylenes, Total	ND	2.0		µg/L	1	4/17/2007 2:58:29 PM
Surr: 4-Bromofluorobenzene	86.9	70.2-105		%REC	1	4/17/2007 2:58:29 PM

Lab ID: 0704208-06**Collection Date:** 4/11/2007 12:43:00 PM**Client Sample ID:** Sullivan Frame AIE 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	4/17/2007 3:28:26 PM
Toluene	ND	1.0		µg/L	1	4/17/2007 3:28:26 PM
Ethylbenzene	ND	1.0		µg/L	1	4/17/2007 3:28:26 PM
Xylenes, Total	ND	2.0		µg/L	1	4/17/2007 3:28:26 PM
Surr: 4-Bromofluorobenzene	87.3	70.2-105		%REC	1	4/17/2007 3:28:26 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 2 / 6

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: 18-Apr-07

CLIENT: XTO Energy
Project: Ground Water**Lab Order:** 0704208**Lab ID:** 0704208-10**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	4/17/2007 7:59:06 PM
Toluene	ND	1.0		µg/L	1	4/17/2007 7:59:06 PM
Ethylbenzene	ND	1.0		µg/L	1	4/17/2007 7:59:06 PM
Xylenes, Total	ND	2.0		µg/L	1	4/17/2007 7:59:06 PM
Surr: 4-Bromofluorobenzene	87.1	70.2-105		%REC	1	4/17/2007 7:59:06 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 4 / 6

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: 0704208

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

Method: SW8021

Sample ID: 0704208-07A MSD

MSD

Batch ID: R23257 **Analysis Date:** 4/17/2007 4:58:25 PM

Benzene	19.19	µg/L	1.0	96.0	85.9	113	0.219	27	
Toluene	19.51	µg/L	1.0	97.6	86.4	113	0.668	19	
Ethylbenzene	19.63	µg/L	1.0	98.2	83.5	118	0.183	10	
Xylenes, Total	58.33	µg/L	2.0	97.2	83.4	122	0.209	13	

Sample ID: 5ML REAGENT BLA

MBLK

Batch ID: R23257 **Analysis Date:** 4/17/2007 8:27:16 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: R23257 **Analysis Date:** 4/18/2007 12:32:06 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: R23257 **Analysis Date:** 4/17/2007 5:28:34 PM

Benzene	19.51	µg/L	1.0	97.6	85.9	113			
Toluene	19.75	µg/L	1.0	98.8	86.4	113			
Ethylbenzene	19.94	µg/L	1.0	99.7	83.5	118			
Xylenes, Total	59.17	µg/L	2.0	98.6	83.4	122			

Sample ID: 100NG BTEX LCS-II

LCS

Batch ID: R23257 **Analysis Date:** 4/18/2007 1:02:03 AM

Benzene	19.87	µg/L	1.0	99.4	85.9	113			
Toluene	20.20	µg/L	1.0	101	86.4	113			
Ethylbenzene	20.35	µg/L	1.0	102	83.5	118			
Xylenes, Total	60.60	µg/L	2.0	101	83.4	122			

Sample ID: 100NG BTEX LCSD-I

LCSD

Batch ID: R23257 **Analysis Date:** 4/18/2007 1:32:05 AM

Benzene	19.20	µg/L	1.0	96.0	85.9	113	3.42	27	
Toluene	19.53	µg/L	1.0	97.6	86.4	113	3.37	19	
Ethylbenzene	19.67	µg/L	1.0	98.4	83.5	118	3.38	10	
Xylenes, Total	58.58	µg/L	2.0	97.6	83.4	122	3.39	13	

Sample ID: 0704208-07A MS

MS

Batch ID: R23257 **Analysis Date:** 4/17/2007 4:28:32 PM

Benzene	19.15	µg/L	1.0	95.8	85.9	113			
Toluene	19.38	µg/L	1.0	96.9	86.4	113			
Ethylbenzene	19.67	µg/L	1.0	98.3	83.5	118			
Xylenes, Total	58.20	µg/L	2.0	97.0	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