3R - 079

ANNUAL MONITORING REPORT

01/11/2008

AES | Animas Environmental Services, LLC

624 E. Comanche . Farmington, NM 87401 . TEL 505-564-2281 . FAX 505-324-2022 . www.animasenvironmental.com

3R0079

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2008 JAN 15 AM 11 16

January 11, 2008

Mr. Glenn Von Gonten
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Mr. Brandon Powell
New Mexico Oil Conservation Division
District 3 Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Annual Groundwater Monitoring and Sampling Report for the Conoco Phillips and Clayton Investments Thomas No. 1 Well Location, Bloomfield, New Mexico; Permit #3RP-79-0 (July 1, 1988)

Dear Sirs:

Pursuant to New Mexico Oil Conservation Division (OCD) requirements, Animas Environmental Services, LLC (AES), on behalf of Walsh Engineering and Production Corporation (Walsh Engineering) and Clayton Investments, submits this Annual Groundwater Monitoring and Sampling Report for 2007 for the Thomas No.1 well, which is located west of Bloomfield in the NW ¼, SW ¼, Section 30, T29N, R11W, San Juan County, New Mexico. Groundwater at the site has been monitored and sampled since 1988 under Permit #3RP-79-0. A site location map is included as Figure 1.

1.0 Groundwater Monitoring and Sampling

On July 17 and December 27, 2007, BioTech Remediation, Inc. (BioTech) personnel completed groundwater elevation monitoring at two monitoring wells (MW-2 and MW-3) located at the site. Note that MW-1 was not sampled in 2007 because it was covered by road base material. Groundwater samples from monitoring wells MW-2 and MW-3 were collected in July and December 2007 for laboratory analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) per EPA Method 8021 and C_6 through C_{10} range total petroleum hydrocarbons (TPH) per EPA Method 8015. All samples from the July 2007 event were submitted to Pinnacle Labs, Albuquerque, New Mexico, for analysis. All samples from the December 2007 event were submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico, for analysis. Laboratory analytical reports are found in Appendix A.

1.1 Depth to Groundwater Measurements and Hydraulic Gradient

Depth to groundwater measurements for all wells were made with a Solinst Electronic Water Level and recorded prior to sampling activities. In July 2007, groundwater elevations indicated a general decrease by approximately 1.1 feet across the site since last measured in January 2007. Depths to groundwater varied between 2.82 feet below

top of casing (TOC) in MW-3 up to 5.63 feet below TOC in MW-5. Groundwater elevations across the site ranged from 5370.72 ft above mean sea level (AMSL) in MW-5 to 5371.82 ft AMSL in MW-2. Based on groundwater elevation data, hydraulic gradient was calculated to be approximately 0.003 ft/ft in a southwest direction across the site.

In December 2007, groundwater measurements indicated a general increase in elevations by approximately 0.9 feet across the site. Depth to groundwater varied between 3.02 feet below TOC in MW-3 to 4.58 feet below TOC in MW-5. Groundwater elevations across the site ranged from 5371.77 ft AMSL in MW-5 up to 5372.55 ft AMSL in MW-2. Hydraulic gradient was estimated to be approximately 0.002 ft/ft in a southwest direction across the site.

Historical groundwater elevation data are summarized in Table 1, and groundwater elevation data for the July 17 and December 27, 2007, monitoring events are included on Figures 2 and 3, respectively.

1.2 Groundwater Sample Collection

Following well measurements in July and December 2007, MW-2 and MW-3 were each purged with a new disposable bailer, and a groundwater sample was collected from each well. The groundwater samples were then transferred into new clean sample containers with a slow release valve, labeled accordingly, and the Chain of Custody Record was completed. The samples were subsequently stored in an insulated cooler at approximately 4°C and transported to the analytical laboratory, Pinnacle Labs, Albuquerque, New Mexico, for the July samples and HEAL, Albuquerque, New Mexico, for the December samples. The December samples were shipped via bus to HEAL as soon as they were collected and did not fully cool; they were received by the laboratory at 13°C.

1.3 Dissolved Phase Contaminant Concentrations

Analytical results of the groundwater samples collected from MW-2 and MW-3 on July 17 and December 27, 2007, indicate that benzene concentrations were below the New Mexico Water Quality Control Commission (WQCC) standard of 10 µg/L for both sampling events. Benzene was reported below the detection limit of 5.0 µg/L in MW-2 and MW-3 in July 2007. Benzene concentrations were reported at 2.4 µg/L in MW-2 and 2.3 µg/L in MW-3 in December 2007. Toluene, ethylbenzene, and xylene concentrations in MW-2 and MW-3 were below applicable New Mexico WQCC standards or below laboratory detection limits in July and December 2007. Trace amounts of TPH (C_6 through C_{10}) were reported for both sampling events in 2007 and ranged from 0.51 mg/L in MW-3 in December 2007 up to 1.2 mg/L in MW-2 in July 2007.

Historical groundwater contaminant concentration data are summarized in Table 2. Groundwater contaminant concentration data for the July 17 and December 27, 2007, sampling events are included on Figures 2 and 3, respectively.

2.0 Conclusions

BioTech personnel conducted groundwater sampling in two monitor wells in July and December 2007. Based on groundwater elevation data in July and December 2007, the hydraulic gradient at the site was calculated to be approximately 0.003 ft/ft and 0.002 ft/ft, respectively, in a southwest direction. Fluctuations in groundwater elevations during 2007 appear to be part of seasonal changes in the localized groundwater table. Analytical results from both sampling events indicate that BTEX concentrations have remained below applicable WQCC standards for MW-2 and MW-3.

Because groundwater contaminant concentrations continue to remain below all applicable WQCC standards since at least December 2005, AES requests no further action status for this site.

If you have any questions regarding site conditions or this report, please contact me or Elizabeth McNally at (505) 564-2281.

Sincerely,

Sandra R. Cupps

Lany Cupps
Project Manager

Cc: Walsh Engineering and Production Corporation
7415 E. Main St.
Farmington, NM 87402

Robert Moss
General Counsel
Clayton Investments
501 Airport Drive, Suite 100
Farmington, NM 87401

Attachments: Tables
Figures
Appendix A. Laboratory Analytical Results

Files:2008/Thomas Wells/2007 Annual Monitoring and Sampling Report

TABLE 1
WATER QUALITY AND WELL DATA
ConocoPhillips Thomas No. 1 Location
Bloomfield, New Mexico

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Water (ft)	Water Level Elevation (ft amsl)
MW-1	7-Sep-01	5376.91	4.69	5372.22
MW-1	4-Feb-02	5376.91	3.66	5373.25
MW-1	30-Jul-02	5376.91	4.14	5372.77
MW-1	4-Dec-02	5376.91	3.47	5373.44
MW-1	3-Jul-03	5376.91	3.15	5373.76
MW-1	19-Dec-03	5376.91	3.53	5373.38
MW-1	12-Jul-04	5376.91	4.05	5372.86
MW-1	3-Jan-05	5376.91	3.50	5373.41
MW-1	25-Jul-05	5376.91	4.23	5372.68
MW-1	30-Dec-05	5376.91	3.62	5373.29
MW-1	8-Jun-06	5376.91	3.90	5373.01
MW-1	10-Jan-07	Buried by Oil Well Construction		
MW-1	17-Jul-07	Buried by Oil Well Construction		
MW-2	7-Sep-01	5376.97	4.99	5371.98
MW-2	4-Feb-02	5376.97	4.21	5372.76
MW-2	30-Jul-02	5376.97	4.61	5372.36
MW-2	4-Dec-02	5376.97	4.05	5372.92
MW-2	3-Jul-03	5376.97	4.45	5372.52
MW-2	19-Dec-03	5376.97	4.06	5372.91
MW-2	12-Jul-04	5376.97	4.60	5372.37
MW-2	3-Jan-05	5376.97	4.22	5372.75
MW-2	25-Jul-05	5376.97	4.82	5372.15
MW-2	30-Dec-05	5376.97	4.26	5372.71
MW-2	8-Jun-06	5376.97	4.42	5372.55
MW-2	10-Jan-07	5376.97	4.28	5372.69
MW-2	17-Jul-07	5376.97	5.15	5371.82
MW-2	27-Dec-07	5376.97	4.42	5372.55
MW-3	7-Sep-01	5375.56	4.10	5371.46
MW-3	4-Feb-02	5375.56	2.46	5373.10
MW-3	30-Jul-02	5375.56	3.47	5372.09
MW-3	4-Dec-02	5375.56	2.69	5372.87
MW-3	3-Jul-03	5375.56	3.54	5372.02
MW-3	19-Dec-03	5375.56	2.78	5372.78
MW-3	12-Jul-04	5375.56	3.40	5372.16
MW-3	3-Jan-05	5375.56	2.82	5372.74
MW-3	25-Jul-05	5375.56	3.72	5371.84

TABLE 1
WATER QUALITY AND WELL DATA
ConocoPhillips Thomas No. 1 Location
Bloomfield, New Mexico

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Water (ft)	Water Level Elevation (ft amsl)
MW-3	30-Dec-05	5375.56	2.84	5372.72
MW-3	8-Jun-06	5375.56	3.20	5372.36
MW-3	10-Jan-07	5375.56	2.86	5372.70
MW-3	17-Jul-07	5375.56	4.03	5371.53
MW-3	27-Dec-07	5375.56	3.02	5372.54
MW-4	7-Sep-01	5375.56	3.91	5371.65
MW-4	4-Feb-02	5375.56	2.82	5372.74
MW-4	30-Jul-02	5375.56	3.53	5372.03
MW-4	4-Dec-02	5375.56	2.81	5372.75
MW-4	3-Jul-03	5375.56	3.38	5372.18
MW-4	19-Dec-03	5375.56	2.87	5372.69
MW-4	12-Jul-04	5375.56	3.46	5372.10
MW-4	3-Jan-05	5375.56	3.00	5372.56
MW-4	25-Jul-05	5375.56	3.74	5371.82
MW-4	30-Dec-05	5375.56	3.03	5372.53
MW-4	8-Jun-06	5375.56	3.24	5372.32
MW-4	10-Jan-07	5375.56	3.03	5372.53
MW-4	17-Jul-07	5375.56	4.05	5371.51
MW-4	27-Dec-07	5375.56	3.18	5372.38
MW-5	7-Sep-01	5376.35	5.86	5370.49
MW-5	4-Feb-02	5376.35	4.19	5372.16
MW-5	30-Jul-02	5376.35	5.27	5371.08
MW-5	4-Dec-02	5376.35	4.49	5371.86
MW-5	3-Jul-03	5376.35	3.89	5372.46
MW-5	19-Dec-03	5376.35	4.23	5372.12
MW-5	12-Jul-04	5376.35	5.13	5371.22
MW-5	3-Jan-05	5376.35	4.60	5371.75
MW-5	25-Jul-05	5376.35	DRY	DRY
MW-5	30-Dec-05	5376.35	4.28	5372.07
MW-5	8-Jun-06	5376.35	4.63	5371.72
MW-5	10-Jan-07	5376.35	4.30	5372.05
MW-5	17-Jul-07	5376.35	5.63	5370.72
MW-5	27-Dec-07	5376.35	4.58	5371.77

TABLE 2. GROUNDWATER ANALYTICAL RESULTS
ConocoPhillips Thomas No. 1 Location
Bloomfield, New Mexico

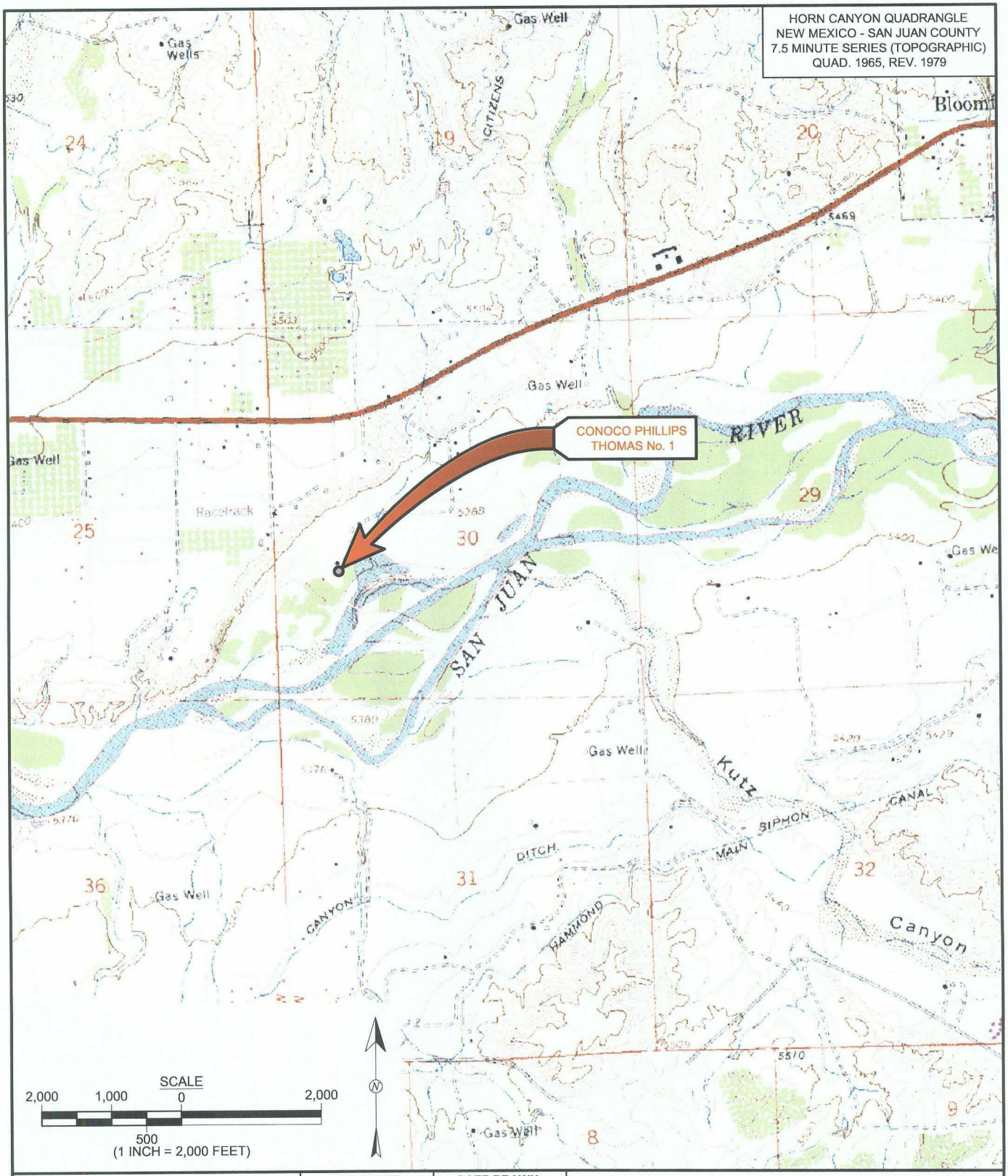
Sample ID	Sample Date	Analytical Method	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH C6 - C10 (mg/L)
NM WQCC Standards			10	750	750	620	100	NE
MW-1	7-Sep-01	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	4-Feb-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	30-Jul-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	4-Dec-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	3-Jul-03	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	19-Dec-03	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	12-Jul-04	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	3-Jan-05	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	8-Jun-06	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	10-Jan-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	17-Jul-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-1	27-Dec-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-2	7-Sep-01	8021/8015	<2.5	<2.5	25	63.2	<5.0	ns
MW-2	4-Feb-02	8021/8015	**120**	9.0	76	373.6	2.8	ns
MW-2	30-Jul-02	8021/8015	**50**	<2.5	49	245.6	<5.0	ns
MW-2	4-Dec-02	8021/8015	**87**	<2.5	67	270	<13	ns
MW-2	3-Jul-03	8021/8015	**150**	<2.5	87	430	<13	ns
MW-2	19-Dec-03	8021/8015	**56**	<2.5	74	150	<13	ns
MW-2	12-Jul-04	8021/8015	**89**	3.4	110	**1100**	<13	5.1
MW-2	3-Jan-05	8021/8015	**16**	<2.5	35	420	<13	2.4
MW-2	25-Jul-05	8021/8015	**46**	<2.5	59	360	<13	3.0
MW-2	30-Dec-05	8021/8015	5.2	<0.5	15	33	<2.5	1.5
MW-2	8-Jun-06	8021/8015	6.6	<0.5	25	86	<2.5	1.3
MW-2	10-Jan-07	8021/8015	6.1	21	21	96	<2.5	1.4
MW-2	17-Jul-07	8021/8015	<5.0	40	12	34	<25	1.2
MW-2	27-Dec-07	8021/8015	2.4	<1.0	4.2	76	<2.5	0.88
MW-3	7-Sep-01	8021/8015	**130**	<0.5	51	372.9	<1.0	<3.0
MW-3	4-Feb-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-3	30-Jul-02	8021/8015	<0.5	2.3	9.5	8.6	<1.0	ns
MW-3	4-Dec-02	8021/8015	0.6	1.7	2.4	6.2	<2.5	ns
MW-3	3-Jul-03	8021/8015	<0.5	2.3	6.2	8.5	<2.5	ns
MW-3	19-Dec-03	8021/8015	<0.5	1.2	6.6	9.5	<2.5	ns
MW-3	12-Jul-04	8021/8015	0.6	1.7	12	12	<2.5	0.6
MW-3	3-Jan-05	8021/8015	<0.5	1.7	5.7	7	<2.5	0.4

TABLE 2. GROUNDWATER ANALYTICAL RESULTS
ConocoPhillips Thomas No. 1 Location
Bloomfield, New Mexico

Sample ID	Sample Date	Analytical Method	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	TPH C6 - C10 (mg/L)
NM WQCC Standards			10	750	750	620	100	NE
MW-3	25-Jul-05	8021/8015	<0.5	1.2	12	10	<2.5	0.81
MW-3	30-Dec-05	8021/8015	<0.5	0.8	5.8	6	<2.5	0.54
MW-3	8-Jun-06	8021/8015	<0.5	<0.5	16	23	<2.5	0.76
MW-3	10-Jan-07	8021/8015	<0.5	<0.5	4.7	8.7	<2.5	0.62
MW-3	17-Jul-07	8021/8015	<0.5	22	7.7	14.0	<2.5	0.75
MW-3	27-Dec-07	8021/8015	2.3	<1.0	8.0	23	<2.5	0.51
MW-4	7-Sep-01	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	4-Feb-02	8021/8015	<0.5	6.9	8.2	18.7	1.0	ns
MW-4	30-Jul-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	4-Dec-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	3-Jul-03	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	19-Dec-03	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	12-Jul-04	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	3-Jan-05	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	8-Jun-06	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	10-Jan-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	17-Jul-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-4	27-Dec-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	7-Sep-01	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	4-Feb-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	30-Jul-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	4-Dec-02	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	3-Jul-03	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	19-Dec-03	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	12-Jul-04	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	3-Jan-05	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	8-Jun-06	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	10-Jan-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	17-Jul-07	8021/8015	ns	ns	ns	ns	ns	ns
MW-5	17-Dec-07	8021/8015	ns	ns	ns	ns	ns	ns

Notes:

<	Analyte not detected above listed method limit
(µg/L)	Micrograms per Liter (ppb)
(mg/L)	Milligrams per Liter (ppm)
ns	Not Sampled



DRAWN BY: Nathan Willis	DATE DRAWN: January 3, 2008
REVISIONS BY: Nathan Willis	DATE REVISED: January 11, 2008
CHECKED BY: Ross Kennemer	DATE CHECKED: January 2, 2008
APPROVED BY: Ross Kennemer	DATE APPROVED: January 2, 2008

AES
Animas Environmental Services, LLC

FIGURE 1
TOPOGRAPHICAL SITE LOCATION MAP
CONOCO PHILLIPS
THOMAS No. 1
NW ¼ SW ¼ SEC. 30, T29N, R11W
SAN JUAN COUNTY, NEW MEXICO
N 36° 41' 42.416", W 108° 02' 16.674"

S:\ANIMAS 2000\2008 PROJECTS\THRIFTWAY\THOMAS WELLS\DRAWINGS\FIGURE 1 TOPOGRAPHICAL SITE LOCATION MAP

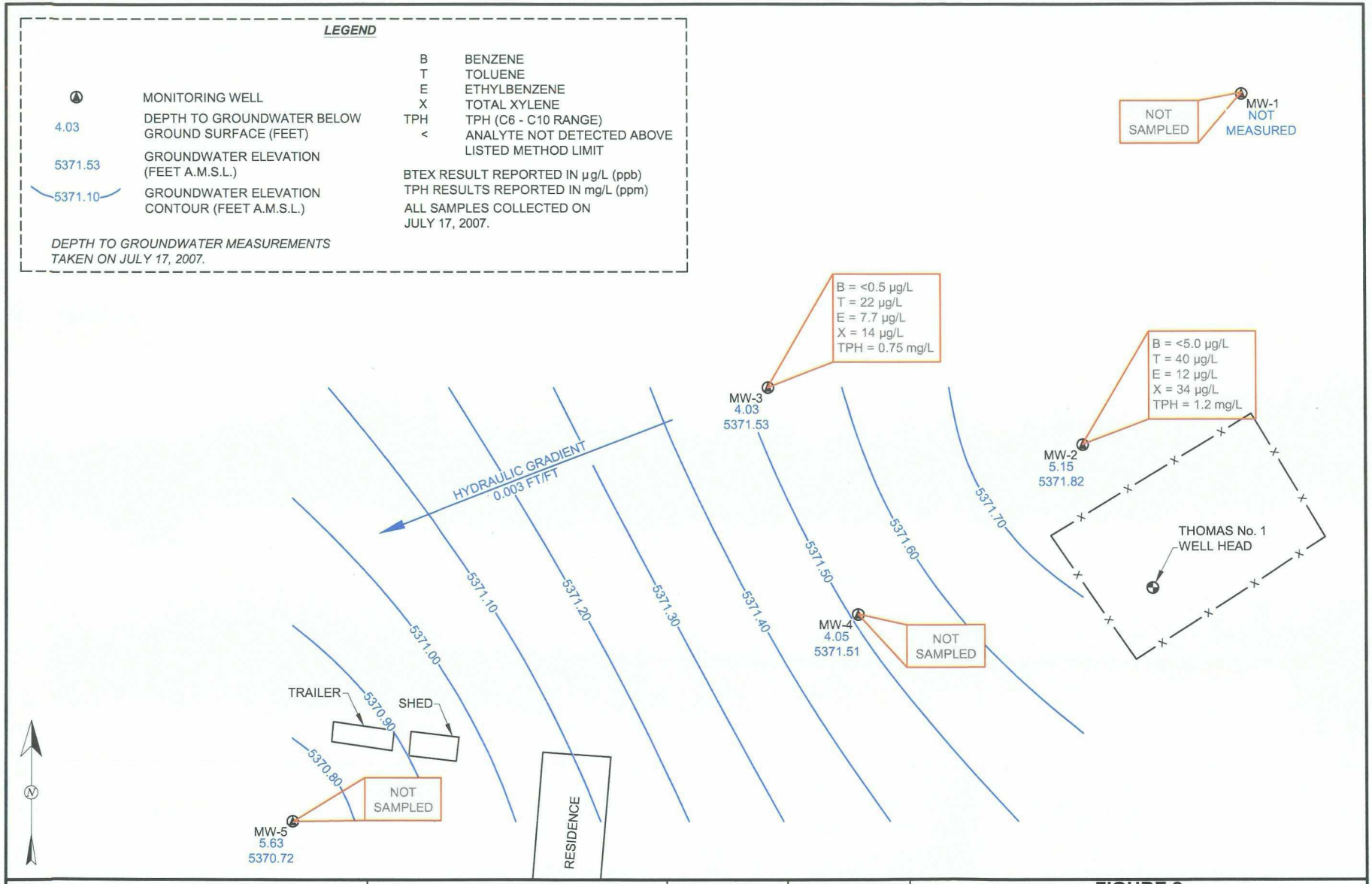
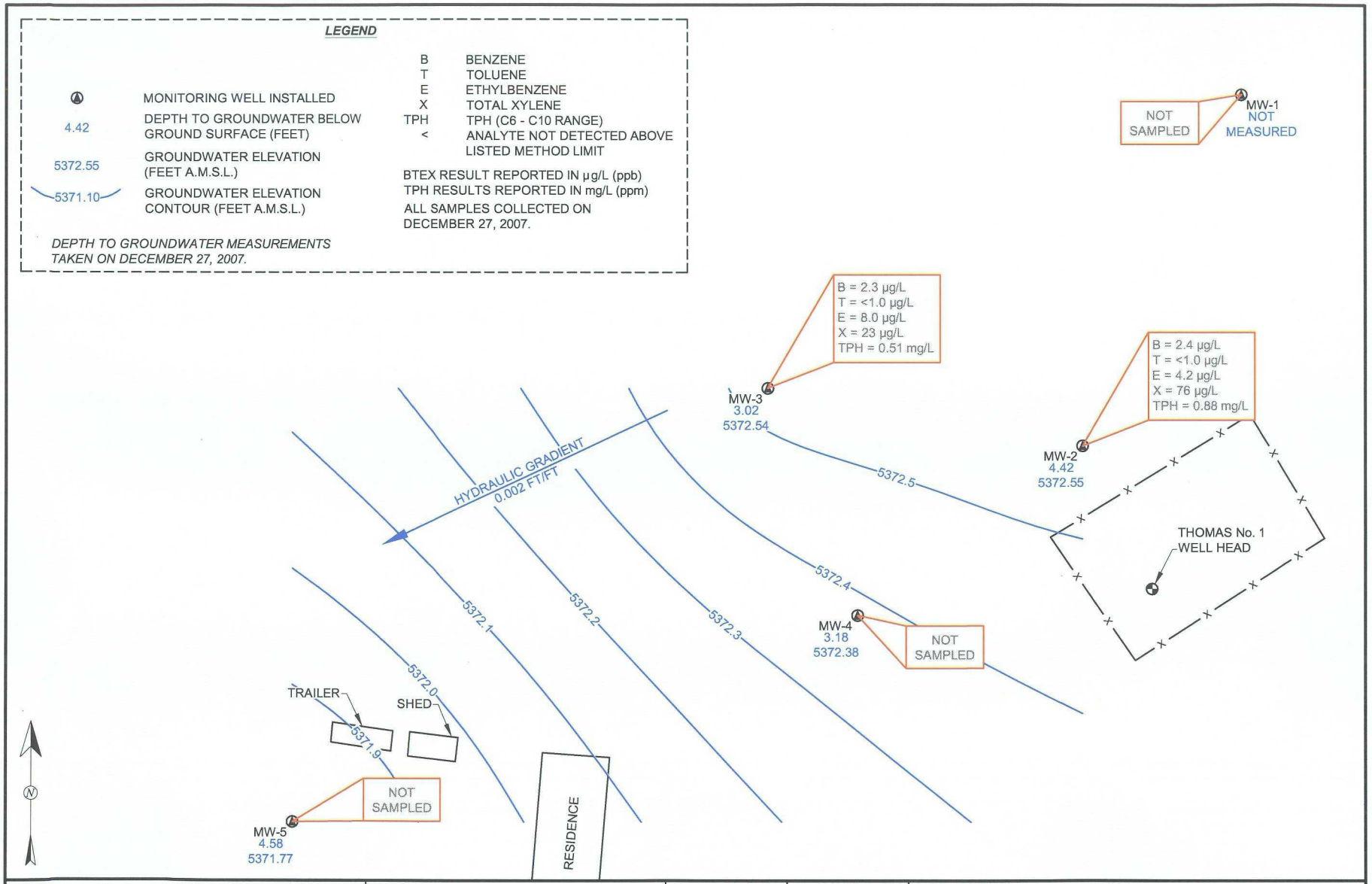


FIGURE 2
GROUNDWATER ELEVATION CONTOURS AND GROUNDWATER BTEX AND TPH CONCENTRATIONS
JULY 2007
CONOCO PHILLIPS
THOMAS No. 1 WELL
BLOOMFIELD, NM

S:\ANIMAS 2000\2008 PROJECTS\THRIFTWAY\THOMAS WELLS\DRAWINGS\FIGURE 2 SITE PLAN WITH MONITORING & SAMPLING RESULTS 071707



SCALE
60 40 0 60
20
(1 INCH = 60 FEET)

AES
Animas Environmental Services, LLC

DRAWN BY: Nathan Willis	DATE DRAWN: January 4, 2008
REVISIONS BY: Nathan Willis	DATE REVISED: January 11, 2008
CHECKED BY: Ross Kennemer	DATE CHECKED: January 11, 2008
APPROVED BY: Ross Kennemer	DATE APPROVED: January 11, 2008

FIGURE 3
GROUNDWATER ELEVATION CONTOURS AND GROUNDWATER BTEX AND TPH CONCENTRATIONS DECEMBER 2007
CONOCO PHILLIPS
THOMAS No. 1 WELL
BLOOMFIELD, NM

S:\ANIMAS 2000\2008 PROJECTS\THRIFTWAY\THOMAS WELLS\DRAWINGS\FIGURE 3 SITE PLAN WITH MONITORING & SAMPLING RESULTS 122707

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **707148**
August 13, 2007

ANIMAS ENVIRONMENTAL SERVICES
624 EAST COMMANCHE
FARMINGTON, NM 87401

Project Name THOMAS WELLS
Project Number (NONE)

Attention: ROSS KENNEMER/MIKE BEAUPARLANT

On 07/20/2007 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

PINNACLE LABS
Environmental Testing

CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	PINNACLE ID	: 707148
PROJECT #	: (NONE)	DATE RECEIVED	: 07/20/2007
PROJECT NAME	: THOMAS WELLS	REPORT DATE	: 08/13/2007

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
707148 - 01	THOMAS WELL #2	AQUEOUS	07/17/2007
707148 - 02	THOMAS WELL #3	AQUEOUS	07/17/2007

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 8021B / 8015B GRO
CLIENT : ANIMAS ENVIRONMENTAL SERVICES
PROJECT # : (NONE)
PROJECT NAME : THOMAS WELLS

PINNACLE I.D. : 707148
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	THOMAS WELL #2	AQUEOUS	07/17/07	NA	07/25/07	10
02	THOMAS WELL #3	AQUEOUS	07/17/07	NA	07/25/07	1

PARAMETER	DET. LIMIT	UNITS	THOMAS WELL #2	THOMAS WELL #3
FUEL HYDROCARBONS	**0.10**	**MG/L**	**1.2**	**0.75**
HYDROCARBON RANGE			C6-C10	C6-C10
HYDROCARBONS QUANTITATED USING			GASOLINE	GASOLINE
BENZENE	0.5	UG/L	< 5.0	< 0.5
TOLUENE	**0.5**	**UG/L**	**40**	**22**
ETHYLBENZENE	**0.5**	**UG/L**	**12**	**7.7**
TOTAL XYLENES	**2.0**	**UG/L**	**34**	**14**
METHYL-t-BUTYL ETHER	2.5	UG/L	< 25	< 2.5
SURROGATE:				
BROMOFLUOROBENZENE (%)			109	92
SURROGATE LIMITS	(80 - 120)			

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
REAGENT BLANK

TEST	: EPA 8021B / 8015B GRO	PINNACLE I.D.	: 707148
BLANK I.D.	: 072507B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 07/25/07
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THOMAS WELLS	ANALYST	: DRK

PARAMETER	UNITS	
FUEL HYDROCARBONS	MG/L	<0.10
HYDROCARBON RANGE		C6-C10
HYDROCARBONS QUANTITATED USING		GASOLINE
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
METHYL-t-BUTYL ETHER	UG/L	<2.5
SURROGATE:		
BROMOFLUOROBENZENE (%)		103
SURROGATE LIMITS (80 - 120)		

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE
www.pinnaclelabs.org www.pinnaclelabsonline.com

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 707148
BATCH ID	: 072507B	DATE EXTRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 07/25/07
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THOMAS WELLS	UNITS	: UG/L

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<100	1000	921	92	915	92	1	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							

HYDROCARBONS QUANTITATED USING GASOLINE

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

2709-D Pan American Fwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 FAX 877.PIN.1998 TOLL FREE
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GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8015B GRO	PINNACLE I.D.	: 707148
SAMPLE ID	: 707126-12	DATE EXRACTED	: N/A
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 07/25/07
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THOMAS WELLS	UNITS	: MG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
FUEL HYDROCARBONS	<0.10	1.00	0.846	85	1.02	102	19	(70 - 130)	20
HYDROCARBON RANGE		C6-C10							

HYDROCARBONS QUANTITATED USING GASOLINE

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PINNACLE LABS
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GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 8021B	PINNACLE I.D.	: 707148
BATCH ID	: 072507B	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 07/25/07
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THOMAS WELLS	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	21.0	105	20.9	105	0	(80 - 120)	20
TOLUENE	<0.5	20.0	18.3	92	18.6	93	2	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	19.7	99	20.1	101	2	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	56.2	94	57.1	95	2	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	12.1	**61 M4**	53.5	**268 M4**	**126 M3**	(70 - 133)	20

CHEMIST NOTES:
M4 = %REC is outside of PLI criteria. Mtbe samples with positive values were confirmed using EPA 8260B method.
M3 = RPD is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 8021B	PINNACLE I.D.	: 707148
SAMPLE ID	: 707126-02	DATE EXTRACTED	: NA
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	DATE ANALYZED	: 07/25/07
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: THOMAS WELLS	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
BENZENE	<0.5	20.0	22.0	110	22.0	110	0	(80 - 120)	20
TOLUENE	<0.5	20.0	19.2	96	19.2	96	0	(80 - 120)	20
ETHYLBENZENE	<0.5	20.0	20.6	103	20.3	102	1	(80 - 120)	20
TOTAL XYLENES	<2.0	60.0	59.1	99	58.7	98	1	(80 - 120)	20
METHYL-t-BUTYL ETHER	<2.5	20.0	15.5	78	10.9	**55 M4**	**35 M3**	(70 - 133)	20

CHEMIST NOTES:
M4 = %REC is outside of PLI criteria. Mtbe samples with positive values were confirmed using EPA 8260B method.
M3 = RPD is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D. :	707148
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES		
PROJECT #	: (NONE)	INSTRUMENT ID :	GCMS-1
PROJECT NAME	: THOMAS WELLS	ANALYST :	ARM

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	072607E	AQUEOUS	N/A	07/26/07	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Dichlorodifluoromethane (75-71-8)	5.0	< 5.0	ug/L
Chloromethane (74-87-3)	5.0	< 5.0	ug/L
Vinyl Chloride (75-01-4)	5.0	< 5.0	ug/L
Bromomethane (74-83-9)	5.0	< 5.0	ug/L
Chloroethane (75-00-3)	5.0	< 5.0	ug/L
Trichlorofluoromethane (75-69-4)	5.0	< 5.0	ug/L
Acetone (67-64-1)	10	< 10	ug/L
Acrolein (107-02-8)	10	< 10	ug/L
1,1-Dichloroethene (75-35-4)	1.0	< 1.0	ug/L
Iodomethane (74-88-4)	5.0	< 5.0	ug/L
Methylene Chloride (75-09-2)	1.0	< 1.0	ug/L
Acrylonitrile (107-13-1)	5.0	< 5.0	ug/L
cis-1,2-Dichloroethene (156-59-2)	1.0	< 1.0	ug/L
Methyl-t-butyl Ether (1634-04-4)	1.0	< 1.0	ug/L
1,1,2-Trichlorotrifluoroethane (76-13-1)	5.0	< 5.0	ug/L
1,1-Dichloroethane (75-34-3)	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene (156-60-5)	1.0	< 1.0	ug/L
2-Butanone (78-93-3)	10	< 10	ug/L
Carbon Disulfide (75-15-0)	1.0	< 1.0	ug/L
Bromochloromethane (74-97-5)	1.0	< 1.0	ug/L
Chloroform (67-66-3)	1.0	< 1.0	ug/L
2,2-Dichloropropane (594-20-7)	1.0	< 1.0	ug/L
1,2-Dichloroethane (107-06-2)	1.0	< 1.0	ug/L
Vinyl Acetate (108-05-4)	5.0	< 5.0	ug/L
1,1,1-Trichloroethane (71-55-6)	1.0	< 1.0	ug/L
1,1-Dichloropropene (563-58-6)	1.0	< 1.0	ug/L
Carbon Tetrachloride (56-23-5)	1.0	< 1.0	ug/L
Benzene (71-43-2)	1.0	< 1.0	ug/L
1,2-Dichloropropane (78-87-5)	1.0	< 1.0	ug/L
Trichloroethene (79-01-6)	1.0	< 1.0	ug/L
Bromodichloromethane (75-27-4)	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether (110-75-8)	10	< 10	ug/L
cis-1,3-Dichloropropene (10061-01-5)	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene (10061-02-6)	1.0	< 1.0	ug/L
1,1,2-Trichloroethane (79-00-5)	1.0	< 1.0	ug/L
1,3-Dichloropropane (142-28-9)	1.0	< 1.0	ug/L
Dibromomethane (74-95-3)	1.0	< 1.0	ug/L
Toluene (108-88-3)	1.0	< 1.0	ug/L
1,2-Dibromoethane (106-93-4)	1.0	< 1.0	ug/L
4-Methyl-2-Pentanone (108-10-1)	10	< 10	ug/L
2-Hexanone (591-78-6)	10	< 10	ug/L
Dibromochloromethane (124-48-1)	1.0	< 1.0	ug/L
Tetrachloroethene (127-18-4)	1.0	< 1.0	ug/L
Chlorobenzene (108-90-7)	1.0	< 1.0	ug/L

PINNACLE LABS
Environmental Testing

GC/MS RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 707148
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES		
PROJECT #	: (NONE)	INSTRUMENT ID	: GCMS-1
PROJECT NAME	: THOMAS WELLS	ANALYST	: ARM

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
REAGENT BLANK	072607E	AQUEOUS	N/A	07/26/07	1

PARAMETER (CAS#)	DET. LIMIT	RESULT	UNITS
Ethylbenzene (100-41-4)	1.0	< 1.0	ug/L
1,1,1,2-Tetrachloroethane (630-20-6)	1.0	< 1.0	ug/L
m&p Xylenes (108-38-3, 106-42-3)	2.0	< 2.0	ug/L
o-Xylene (95-47-6)	1.0	< 1.0	ug/L
Styrene (100-42-5)	1.0	< 1.0	ug/L
Bromoform (75-25-2)	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane (79-34-5)	2.0	< 2.0	ug/L
1,2,3-Trichloropropane (96-18-4)	2.0	< 2.0	ug/L
Isopropyl Benzene (98-82-8)	1.0	< 1.0	ug/L
Bromobenzene (108-86-1)	1.0	< 1.0	ug/L
trans-1,4-Dichloro-2-Butene (110-57-6)	2.0	< 2.0	ug/L
n-Propylbenzene (103-65-1)	1.0	< 1.0	ug/L
2-Chlorotoluene (95-49-8)	1.0	< 1.0	ug/L
4-Chlorotoluene (106-43-4)	1.0	< 1.0	ug/L
1,3,5-Trimethylbenzene (108-67-8)	1.0	< 1.0	ug/L
tert-Butylbenzene (98-06-6)	1.0	< 1.0	ug/L
1,2,4-Trimethylbenzene (95-63-6)	1.0	< 1.0	ug/L
sec-Butylbenzene (135-98-8)	1.0	< 1.0	ug/L
1,3-Dichlorobenzene (541-73-1)	1.0	< 1.0	ug/L
1,4-Dichlorobenzene (106-46-7)	1.0	< 1.0	ug/L
p-Isopropyltoluene (99-87-6)	1.0	< 1.0	ug/L
1,2-Dichlorobenzene (95-50-1)	1.0	< 1.0	ug/L
n-Butylbenzene (104-51-8)	1.0	< 1.0	ug/L
1,2-Dibromo-3-chloropropane (96-12-8)	5.0	< 5.0	ug/L
1,2,4-Trichlorobenzene (120-82-1)	2.0	< 2.0	ug/L
Naphthalene (91-20-3)	3.0	< 3.0	ug/L
Hexachlorobutadiene (87-68-3)	2.0	< 2.0	ug/L
1,2,3-Trichlorobenzene (87-61-6)	2.0	< 2.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	92 (76 - 114)
Toluene-d8	92 (88 - 110)
Bromofluorobenzene	91 (86 - 115)

PINNACLE LABS
Environmental Testing

LABORATORY CONTROL SPIKE / SPIKE DUPLICATE RESULTS

TEST	: VOLATILE ORGANICS EPA METHOD 8260B	PINNACLE I.D.	: 707148
BATCH	: 072607E	DATE ANALYZED	: 07/26/07
CLIENT	: ANIMAS ENVIRONMENTAL SERVICES	UNITS	: ug/L (PPB)
PROJECT #	: (NONE)	INSTRUMENT ID	: GCMS-1
PROJECT NAME	: THOMAS WELLS	ANALYST	: ARM

COMPOUND	BLANK CONC.	SPIKE ADDED	LCS RESULT	LCSD RESULT	LCS %REC	LCSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
1,1-DICHLOROETHENE	<1.0	50.0	49.8	52.4	100	105	5	14	61-145
BENZENE	<1.0	50.0	45.4	48.2	91	96	6	11	76-127
TRICHLOROETHENE	<1.0	50.0	42.6	45.1	85	90	6	14	71-120
TOLUENE	<1.0	50.0	42.8	45.9	86	92	7	13	76-125
CHLOROBENZENE	<1.0	50.0	43.8	46.6	88	93	6	13	75-130

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 7-17-07 PAGE: 1 OF 1

PLI Accession #: 707148

PROJECT MANAGER: Ross Kennemer

COMPANY: Animas Environmental Svc.
ADDRESS: 624 E. Comanche
Farmington, NM 87401
PHONE: 505-564-2281
FAX: 505-324-2022
BILL TO: Biotech Remediation
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
Thomas Well #2	7-17-07	1239	H2O	01				X																					2
Thomas Well #3	7-17-07	1300	H2O	02				X																					2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: Thomas Wells
P.O. NO.:
SHIPPED VIA:

SAMPLE RECEIPT

NO CONTAINERS	4
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	no
~~BLUE~~ICE/ICE	2.8

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☒ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

RELINQUISHED BY: 1.
Signature: [signature] Time: 1335
Printed Name: Mike Beaupre [?] Date: 7-17-07
Company: Biotech [?]
See Reverse side (Force Majeure)

RECEIVED BY: 1.
Signature: Ross Kennemer Time: 1335
Printed Name: Ross Kennemer Date: 7-17-07
Company: Animas Environmental

RELINQUISHED BY: 2.
Signature: Landrea R Cupps Time: 1340
Printed Name: Landrea Cupps Date: 7/19/07
Company: AES

RECEIVED BY: (LAB) 2.
Signature: [signature] Time: 1534
Printed Name: T Howey Date: 7/20/07
Pinnacle Laboratories Inc.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, January 02, 2008

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: Thomas Wells

Order No.: 0712359

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 12/28/2007 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jan-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	0712359	**Collection Date:**	12/27/2007 10:58:00 AM
Project:	Thomas Wells	**Date Received:**	12/28/2007
Lab ID:	0712359-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.88	0.050		mg/L	1	12/31/2007 1:39:56 PM
Surr: BFB	126	79.2-121	S	%REC	1	12/31/2007 1:39:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	12/31/2007 1:39:56 PM
Benzene	2.4	1.0		µg/L	1	12/31/2007 1:39:56 PM
Toluene	ND	1.0		µg/L	1	12/31/2007 1:39:56 PM
Ethylbenzene	4.2	1.0		µg/L	1	12/31/2007 1:39:56 PM
Xylenes, Total	76	2.0		µg/L	1	12/31/2007 1:39:56 PM
Surr: 4-Bromofluorobenzene	102	68.9-122		%REC	1	12/31/2007 1:39:56 PM

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: *02-Jan-08*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	0712359	**Collection Date:**	12/27/2007 11:25:00 AM
Project:	Thomas Wells	**Date Received:**	12/28/2007
Lab ID:	0712359-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.51	0.050		mg/L	1	12/31/2007 3:10:19 PM
Surr: BFB	117	79.2-121		%REC	1	12/31/2007 3:10:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	12/31/2007 3:10:19 PM
Benzene	2.3	1.0		µg/L	1	12/31/2007 3:10:19 PM
Toluene	ND	1.0		µg/L	1	12/31/2007 3:10:19 PM
Ethylbenzene	8.0	1.0		µg/L	1	12/31/2007 3:10:19 PM
Xylenes, Total	23	2.0		µg/L	1	12/31/2007 3:10:19 PM
Surr: 4-Bromofluorobenzene	99.8	68.9-122		%REC	1	12/31/2007 3:10:19 PM

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		

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Thomas Wells **Work Order:** 0712359

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID: **R26754**		Analysis Date:	12/31/2007 9:13:26 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID: **R26754**		Analysis Date:	12/31/2007 10:25:33 PM	
Gasoline Range Organics (GRO)	0.4770	mg/L	0.050	90.4	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*			Batch ID: **R26754**		Analysis Date:	12/31/2007 10:55:39 PM	
Gasoline Range Organics (GRO)	0.4868	mg/L	0.050	92.4	80	115	2.03	8.39	
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID: **R26754**		Analysis Date:	12/31/2007 9:13:26 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
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: **R26754**		Analysis Date:	1/1/2008 12:26:03 AM	
Methyl tert-butyl ether (MTBE)	21.35	µg/L	2.5	107	51.2	138			
Benzene	22.44	µg/L	1.0	112	85.9	113			
Toluene	22.75	µg/L	1.0	113	86.4	113			S
Ethylbenzene	21.95	µg/L	1.0	109	83.5	118			
Xylenes, Total	66.73	µg/L	2.0	111	83.4	122			
Sample ID: 100NG BTEX LCSD		*LCSD*			Batch ID: **R26754**		Analysis Date:	1/1/2008 12:56:13 AM	
Methyl tert-butyl ether (MTBE)	20.91	µg/L	2.5	105	51.2	138	2.09	28	
Benzene	22.26	µg/L	1.0	111	85.9	113	0.787	27	
Toluene	22.54	µg/L	1.0	112	86.4	113	0.919	19	
Ethylbenzene	21.78	µg/L	1.0	108	83.5	118	0.805	10	
Xylenes, Total	66.19	µg/L	2.0	110	83.4	122	0.819	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.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL Date Received: 12/28/2007

Work Order Number 0712359 Received by: ARS

Checklist completed by: _____ 12/28/07 Sample ID labels checked by _____

Signature Date Initials

Matrix Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	13°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package: Std [X] Level 4 [ ]
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: Animas Environmental

Address: 624 E. Comanche
Farmington, NM 87401

Phone #: (505) 564-2281
Fax #: (505) 324-2022

Project Name: Thomas Wells

Project #: Thomas Wells

Project Manager: Ross Kennemer

Sampler: Mike Beauparlant

Sample Temperature: 13°

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative HCl	HEAL No. 0712359
12-27-07	1058	H2O	MW-2	2x40mL			X	1
12-27-07	1125	H2O	MW-3	2x40mL			X	2

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles or Headspace (Y or N)
	X															
	X															

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
12-27-07	1330		
12-27-07	1345		9:10 12/28/07

Remarks: Shipped via bus.