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AGWMR

2009

elpaso

El Paso Tennessee
Pipeline Company

San Juan Basin Pit Program
Groundwater Sites Project

Final 2009 Annual Report
Federal Sites (Volume 1)

April 2010

MWH

1801 California Street, Suite 2900
Denver, Colorado 80202

2009 ANNUAL GROUNDWATER REPORT
FEDERAL SITES VOLUME I

EL PASO TENNESSEE PIPELINE COMPANY

TABLE OF CONTENTS

METER or LINE ID	NMOCD CASE NO.	SITE NAME	TOWNSHIP	RANGE	SECTION	UNIT
87640	3RP-155-0	Canada Mesa #2	24N	06W	24	I
89961	3RP-170-0	Fields A#7A	32N	11W	34	E
73220	3RP-068-0	Fogelson 4-1 Com. #14	29N	11W	4	P
89894	3RP-186-0	Hammond #41A	27N	08W	25	O
97213	3RP-190-0	Hamner #9	29N	09W	20	A
94715	3RP-196-0	James F. Bell #1E	30N	13W	10	P
89232	3RP-202-0	Johnston Fed #6A	31N	09W	35	F
LD072	3RP-204-0	K27 LD072	25N	06W	4	E
LD174	3RP-212-0	LAT L 40	28N	04W	13	H
LD151	3RP-213-0	Lat 0-21 Line Drip	30N	09W	12	O
94810	3RP-223-0	Miles Fed 1A	26N	07W	5	F
89620	3RP-235-0	Sandoval GC A #1A	30N	09W	35	C

* The Hamner #9 site was submitted for closure in January 2009 and is pending approval from NMOCD. There were no monitoring activities for this site in 2009.

elpaso MWH

MWH

BUILDING A BETTER WORLD

RECEIVED OCD

2010 APR 19 A 10:39

April 16, 2010

Mr. Glenn von Gonten
New Mexico Oil Conservation Division (NMOCD)
1220 South St., Francis Drive
Santa Fe, New Mexico 87505

RE: El Paso Tennessee Pipeline Company Pit Groundwater Remediation Sites
2009 Annual Reports

Dear Mr. Von Gonten:

MWH Americas, Inc., on behalf of El Paso Tennessee Pipeline Company (EPTPC), is submitting the enclosed 2009 Annual Reports for each of EPTPC's 21 remaining San Juan River Basin pit groundwater remediation sites. The reports present the 2009 sampling and product recovery data and include recommendations for 2010 activities at these sites.

The 2009 Annual Reports are divided into three volumes based on location type. The volumes are as follows:

Volume	Location Type
1	Federal Land
2	Non-Federal Land (Excl. Navajo Nation)
3	Navajo Nation

If you have any questions concerning the enclosed reports, please call either Doug Stavinoha of EPTPC (713-420-5150), Ian Yanagisawa of EPTPC (713-420-7361), or me (303-291-2276).

Sincerely,

Jed Smith
Project Manager

encl.

cc: Bill Freeman – NNEPA, Shiprock, NM (Volume 3 Only)
Bill Liese – BLM, Farmington, NM (Volume 1 Only)
Brandon Powell – NMOCD, Aztec, NM (Volumes 1, 2, and 3)
Doug Stavinoha – EPTPC (Volumes 1, 2, and 3)

1801 California Street
Suite 2900
Denver, Colorado 80202

TEL 303 291 2222
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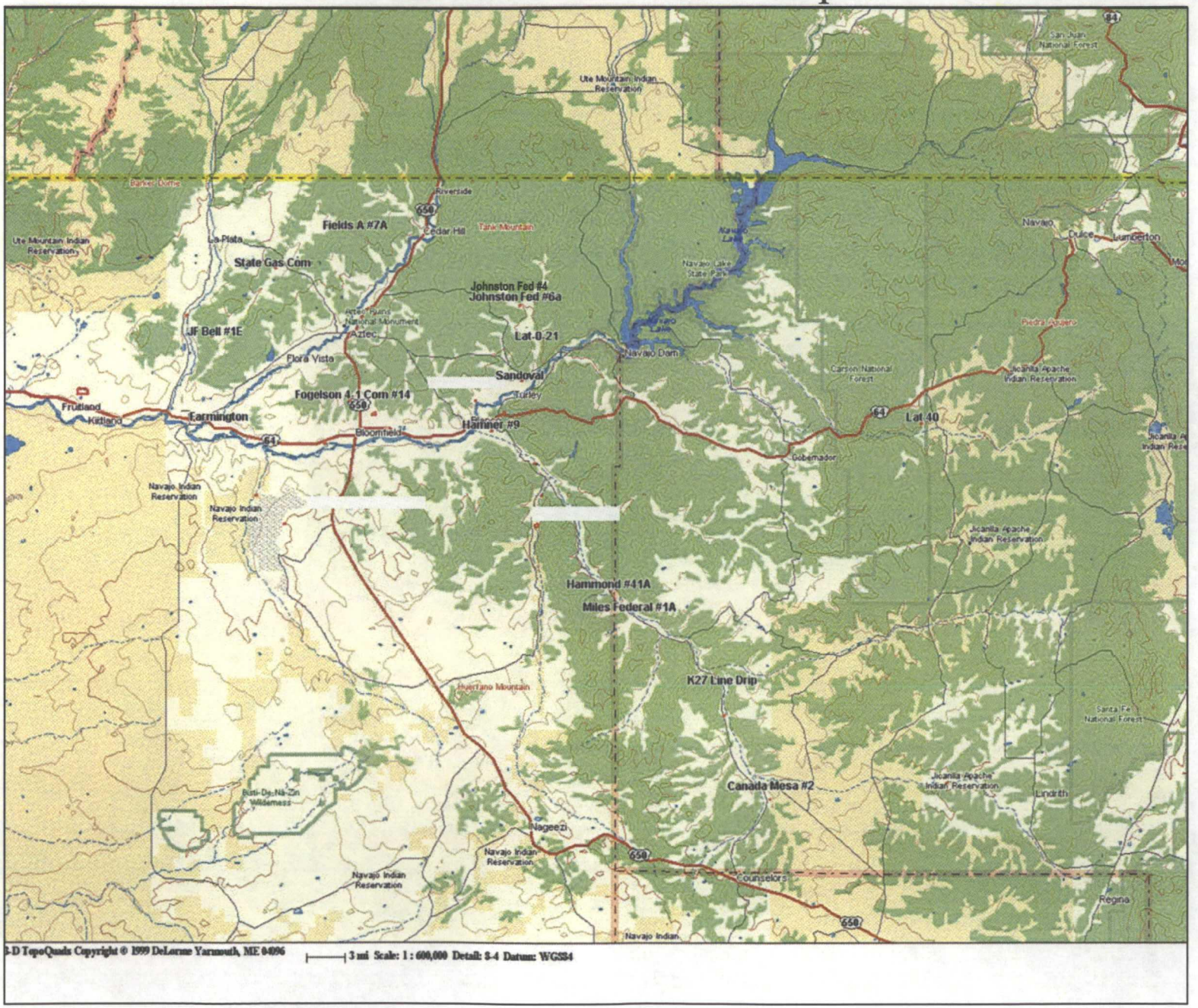
www.mwhglobal.com

LIST OF ACRONYMS

AMSL	above mean sea level
B	benzene
btoc	below top of casing
E	ethylbenzene
EPTPC	El Paso Tennessee Pipeline Company
ft	foot/feet
GWEL	groundwater elevation
ID	identification
MW	monitor well
NMWQCC	New Mexico Water Quality Control Commission
T	toluene
TOC	top of casing
NA	not applicable
NMOCD	New Mexico Oil Conservation Division
NS	not sampled
ORC	oxygen-releasing compound
µg/L	micrograms per liter
X	total xylenes

Federal Groundwater Site Map



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EPTPC GROUNDWATER SITES
2009 ANNUAL GROUNDWATER REPORT

Canada Mesa #2
Meter Code: 87640

SITE DETAILS

Legal Description:	**Town:**	24N	**Range:**	6W	**Sec:**	24	**Unit:** I
NMOCD Haz Ranking:	40	**Land Type:**	Federal	**Operator:**	Merrion Oil & Gas Company		

PREVIOUS ACTIVITIES

Site Assessment:	7/94	**Excavation:**	8/94	**Soil Boring:**	8/95
Monitor Well:	8/95	**Geoprobe:**	NA	**Additional MWs:**	10/00
Downgradient MWs:	10/00	**Replace MW:**	NA	**Quarterly Initiated:**	8/95
ORC Nutrient Injection:	NA	**Re-Excavation:**	NA	**PSH Removal Initiated:**	8/97
Annual Initiated:	11/00	**Quarterly Resumed:**	NA	**PSH Removal in 2009?**	Yes

SUMMARY OF 2009 ACTIVITIES

MW-1: Annual groundwater sampling (November) and quarterly free-product recovery were performed during 2009.

MW-2: Annual groundwater sampling (November) and quarterly water level monitoring were performed during 2009.

MW-3: Annual groundwater sampling (November) and quarterly water level monitoring were performed during 2009.

Site-Wide Activities: No other activities were performed at this Site during 2009.

SITE MAP

A Site map (November) is attached as Figure 1.

SUMMARY TABLES AND GRAPHS

- Historic analytical and water level data are summarized in Table 1 and presented graphically in Figures 2 through 4. Where applicable, static water level elevations were corrected for measurable thicknesses of free-product (specific gravity of 0.8).
- Historic free-product recovery data are summarized in Table 2 and presented graphically in Figure 2.

- The 2009 laboratory report is presented in Attachment 1 (included on CD).
- The 2009 field documentation is presented in Attachment 2 (included on CD).

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No subsurface activities were performed at this Site during 2009.

DISPOSITION OF GENERATED WASTES

All purge water was taken to the El Paso Natural Gas Rio Vista Compressor Station. Spent absorbent socks were managed as non-hazardous solid waste.

ISOCONCENTRATION MAPS

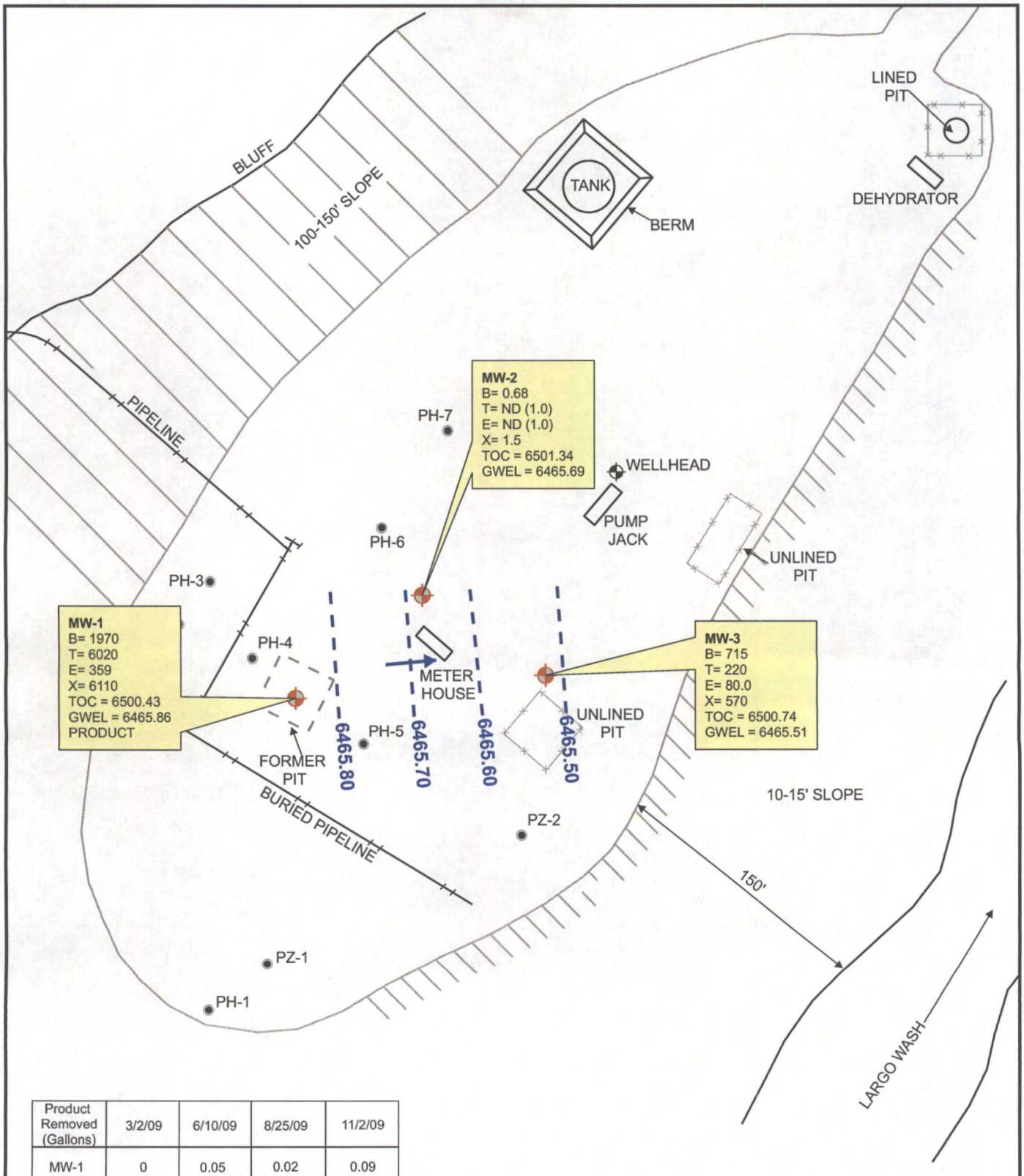
The attached Site map presents both water level and analytical data collected during the December 2009 annual sampling event.

RESULTS

- The groundwater flow direction is generally to the east-northeast at this Site.
- Approximately 0.16 gallons of free-product was recovered from MW-1 in 2009, bringing the cumulative total recovered to approximately 47.10 gallons. Concentrations of benzene, toluene and total xylenes remain elevated in the groundwater. Benzene appears to have attenuated significantly since the last sampling event (May 1997), dropping from 4,650 µg/L to 1,970 µg/L.
- Benzene and total xylenes were detected around their reporting limits in MW-2; however, these parameters did not exceed the NMWQCC standards. The benzene concentration in MW-2 first dropped below the NMWQCC standard in 2006 and has remained in compliance since that time.
- The benzene concentration in MW-3 was 715 µg/L in November 2009, similar to previous years. Overall, the benzene concentrations have decreased significantly from a high of 1,430 µg/L in 2002. Toluene, ethylbenzene and total xylenes concentrations remain below their respective NMWQCC standards.

RECOMMENDATIONS

- EPTPC will continue quarterly free-product recovery efforts at MW-1; however, the frequency of monitoring may be adjusted based on the amount of product recovered during the monitoring visits.
- EPTPC will continue sampling MW-1, MW-2, and MW-3 on an annual basis. Once the results approach closure criteria, sampling will be conducted on a quarterly basis until the closure criteria are met.



Product Removed (Gallons)	3/2/09	6/10/09	8/25/09	11/2/09
MW-1	0	0.05	0.02	0.09

LEGEND

MW-4	Existing Monitoring / Observation Well
PZ-01	Abandoned Monitoring Well
→	Groundwater Flow Direction
—1275—	Potentiometric Surface Contour (Inferred Where Dashed)

B	Benzene (ug/L)
T	Toluene (ug/L)
E	Ethylbenzene (ug/L)
X	Total Xylenes (ug/L)
TOC	Top of Casing (ft. AMSL)
GWEL	Groundwater Elevation (ft. AMSL)

Not To Scale

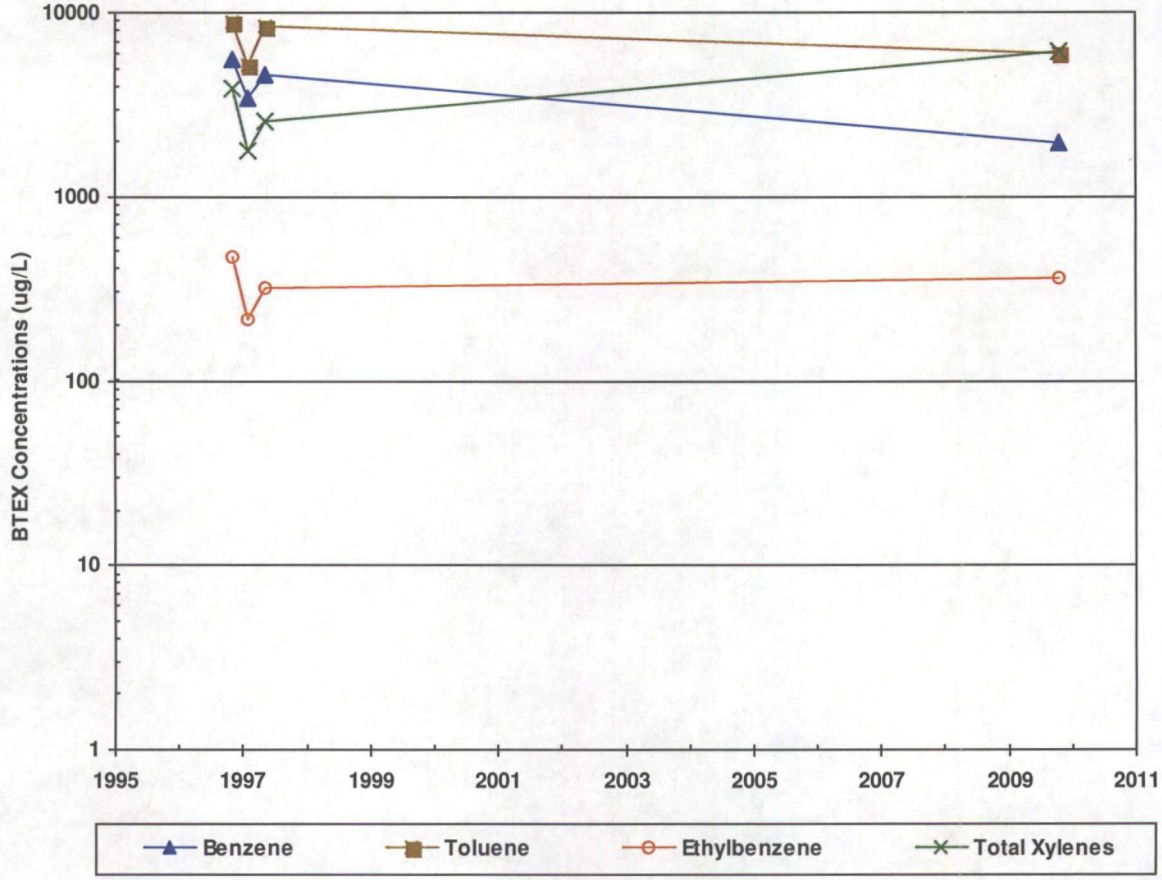
MWH elpaso

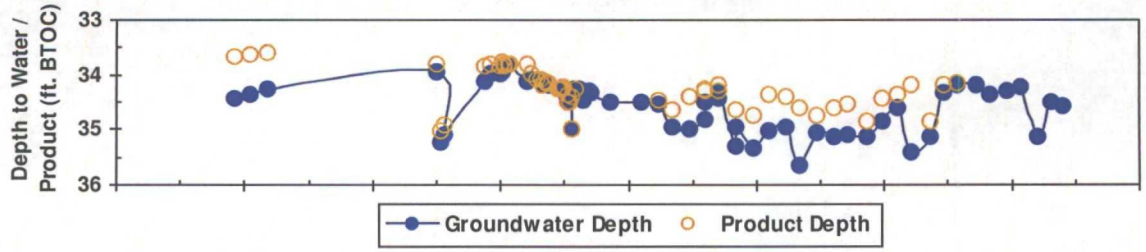
PROJECT: CANADA MESA #2

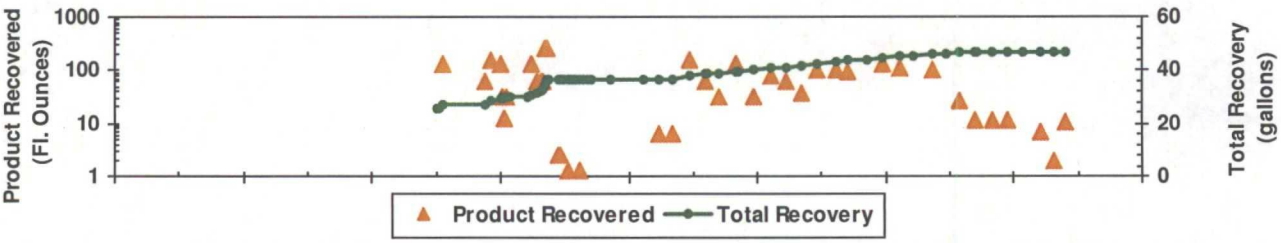
FIGURE: 1

TITLE: Groundwater Potentiometric Surface Map, and BTEX Concentrations - November 3, 2009

FIGURE 2
SUMMARY OF GROUNDWATER BTEX CONCENTRATIONS, FLUID LEVELS, AND PRODUCT RECOVERY
CANADA MESA #2 (METER #87640)
MW01







**In some cases, older recovery event data are not available. However, the cumulative totals still include all historic recovery.*

FIGURE 3
SUMMARY OF GROUNDWATER BTEX CONCENTRATIONS AND FLUID LEVELS
CANADA MESA #2 (METER #87640)
MW02

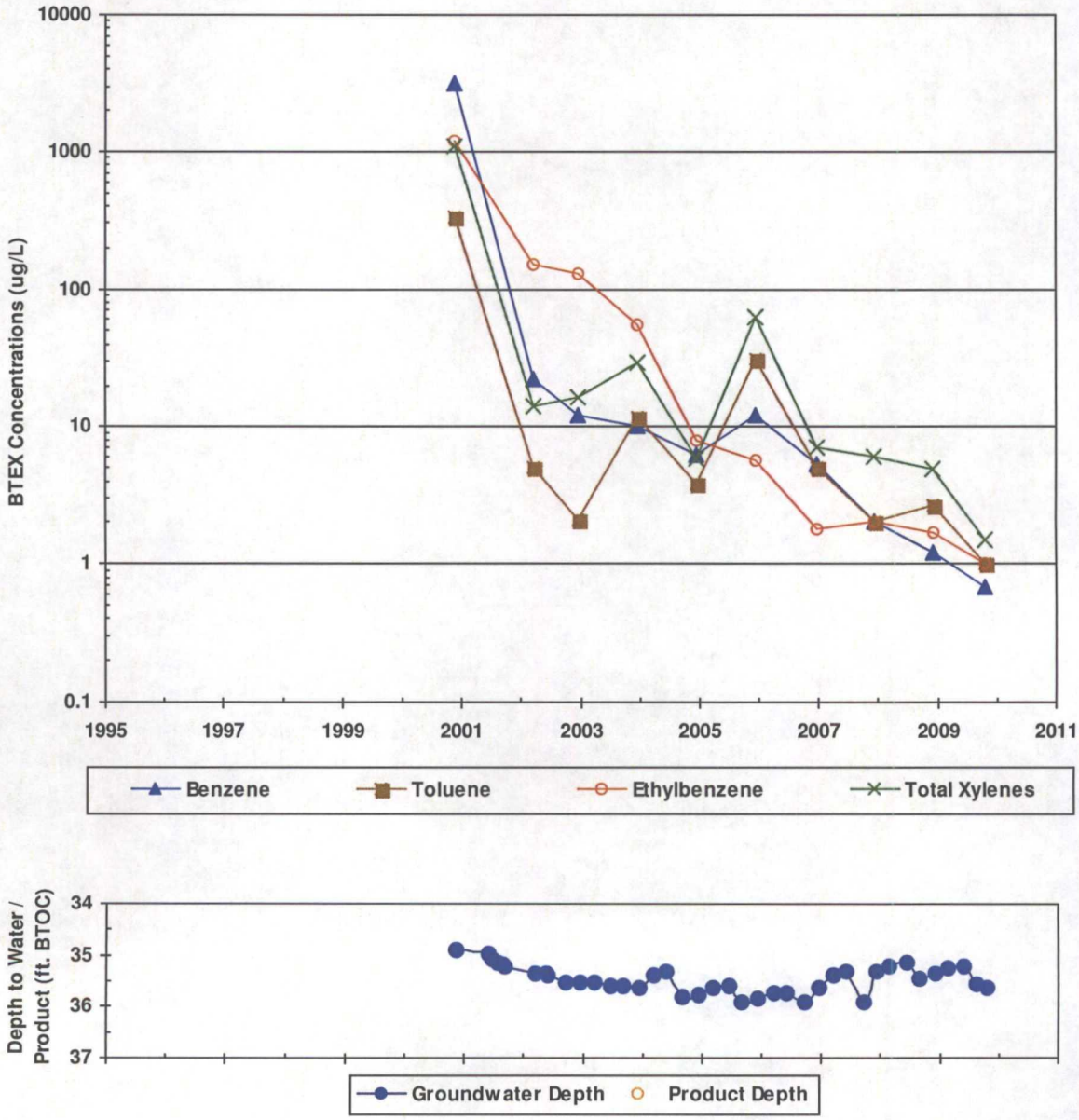


FIGURE 4
SUMMARY OF GROUNDWATER BTEX CONCENTRATIONS AND FLUID LEVELS
CANADA MESA #2 (METER #87640)
MW03

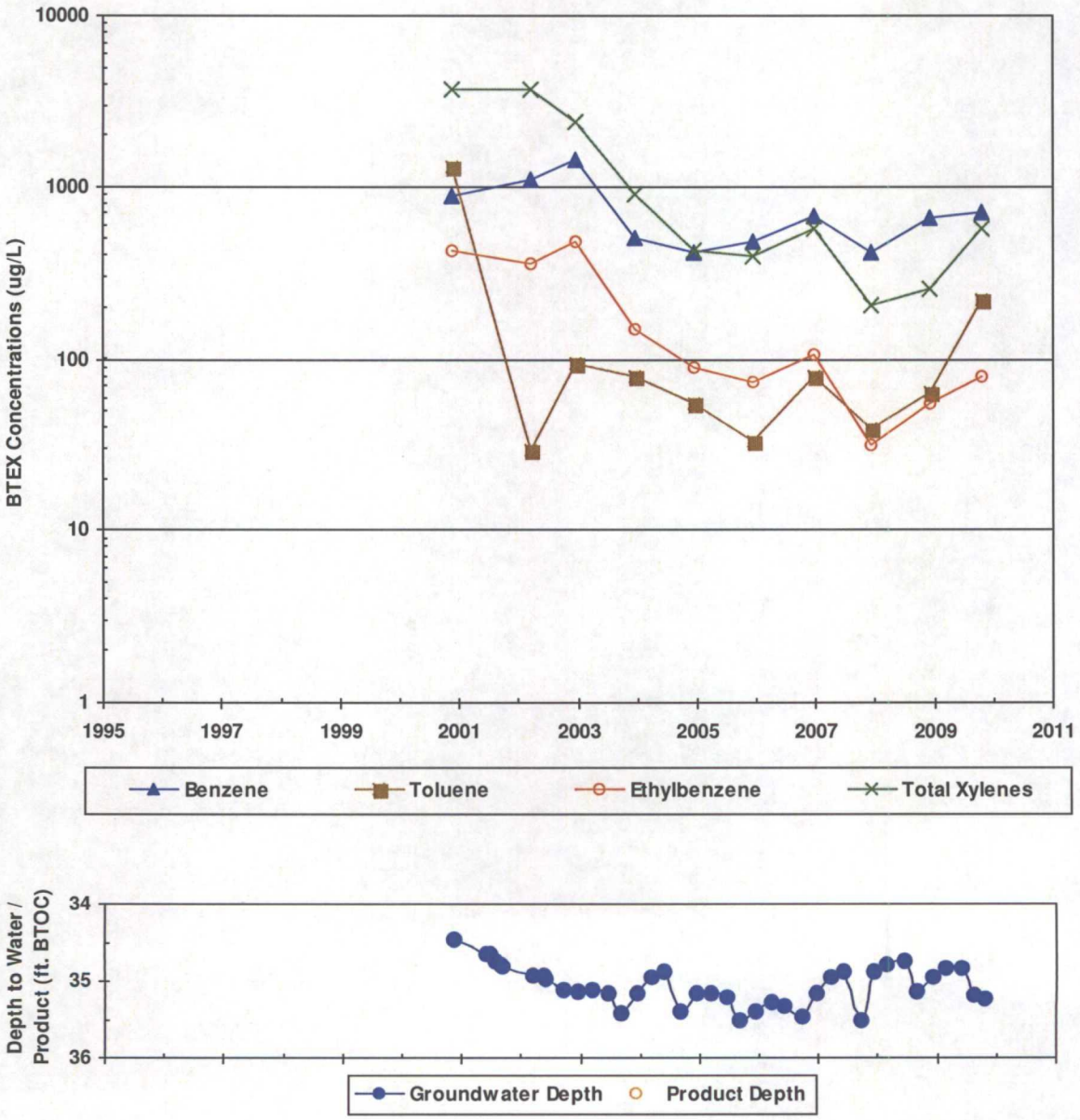


TABLE 1

SUMMARY OF BTEX COMPOUNDS IN GROUNDWATER SAMPLES
CANADA MESA #2 (METER #87640)

Monitor Well	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Depth to Water (ft BTOC)	Corrected GW Elevation (ft AMSL)
NMWQCC GW Std.:		10	750	750	620		
MW01	11/4/1996	**5520**	**8880**	469	**3920**	34.42	6466.61
MW01	2/5/1997	**3450**	**5200**	214	**1770**	34.35	6466.65
MW01	5/7/1997	**4650**	**8440**	317	**2580**	34.24	6466.69
MW01	11/3/2009	**1970**	**6020**	359	**6110**	34.57	6465.86
MW02	11/16/2000	**3200**	330	**1200**	**1100**	34.90	6466.44
MW02	3/19/2002	**22**	<5.0	150	14	35.36	6465.98
MW02	12/24/2002	**12.1**	2.1	129	16.4	35.52	6465.82
MW02	12/15/2003	10	11.7	55.3	29.7	35.63	6465.71
MW02	12/15/2004	6.3	3.8	8.0	5.9	35.79	6465.55
MW02	12/15/2005	**12.1**	30.9	5.6	61.9	35.85	6465.49
MW02	12/26/2006	5.3	5.0	1.8	7.1	35.63	6465.71
MW02	12/18/2007	<2.0	<2.0	<2.0	<6.0	35.32	6466.02
MW02	12/10/2008	1.2	2.7	1.7	4.9	35.37	6465.97
MW02	11/3/2009	0.68J	<1.0	<1.0	1.5J	35.65	6465.69
MW03	11/16/2000	**880**	**1300**	420	**3700**	34.46	6466.28
MW03	3/19/2002	**1100**	29	360	**3700**	34.92	6465.82
MW03	12/24/2002	**1430**	95	483	**2359**	35.15	6465.59
MW03	12/15/2003	**503J**	79.7J	148J	**891J**	35.17	6465.57
MW03	12/15/2004	**410**	54.9	88.7	420	35.17	6465.57
MW03	12/15/2005	**482**	32.7	74.1	399	35.40	6465.34
MW03	12/26/2006	**679**	78.9	106	565	35.16	6465.58
MW03	12/18/2007	**412**	39.4	31.5	207	34.88	6465.86
MW03	12/10/2008	**653**	63.2	55.5	253	34.95	6465.79
MW03	11/3/2009	**715**	220	80.0	570	35.23	6465.51

Notes:

Results shown in bold typeface exceed their respective New Mexico Water Quality Control Commission standards.

"J" = result is qualified as estimated. See laboratory report and/or supplemental data validation report for further detail.

"<" = analyte was not detected at the indicated reporting limit.

Static groundwater elevations have been corrected for product thickness where applicable. Specific gravity of 0.8 used.

TABLE 2

SUMMARY OF FREE-PRODUCT REMOVAL
CANADA MESA #2 (METER #87640)

Monitor Well	Removal Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Removal (gallons)	Corrected GW Elevation (ft AMSL)
MW01	11/4/1996	33.67	34.42	0.75	NA	NA	6466.61
MW01	2/5/1997	33.64	34.35	0.71	NA	NA	6466.65
MW01	5/7/1997	33.61	34.24	0.63	NA	NA	6466.69
MW01	1/9/2000	33.79	33.93	0.14	--	25.73	6466.61
MW01	1/26/2000	35.03	35.22	0.19	--	25.73	6465.36
MW01	2/15/2000	34.93	35.11	0.18	1.00	26.73	6465.46
MW01	10/6/2000	33.82	34.11	0.29	0.50	27.23	6466.55
MW01	11/14/2000	33.81	33.98	0.17	1.25	28.48	6466.59
MW01	1/3/2001	33.83	33.96	0.13	1.00	29.48	6466.57
MW01	1/15/2001	33.78	33.93	0.15	--	29.48	6466.62
MW01	1/22/2001	33.81	33.81	0.00	0.25	29.73	6466.62
MW01	1/30/2001	33.82	33.83	0.01	0.10	29.83	6466.61
MW01	2/13/2001	33.80	33.80	0.00	0.25	30.08	6466.63
MW01	2/20/2001	33.81	33.81	0.00	--	30.08	6466.62
MW01	2/28/2001	33.81	33.81	0.00	--	30.08	6466.62
MW01	6/4/2001	33.81	34.13	0.32	--	30.08	6466.56
MW01	7/3/2001	33.96	34.09	0.13	1.00	31.08	6466.44
MW01	8/6/2001	34.07	34.08	0.01	0.50	31.58	6466.36
MW01	8/20/2001	34.09	34.10	0.01	0.50	32.08	6466.34
MW01	8/31/2001	34.17	34.17	0.00	0.50	32.58	6466.26
MW01	9/14/2001	34.13	34.14	0.01	2.02	34.60	6466.30
MW01	9/26/2001	34.14	34.15	0.01	2.02	36.62	6466.29
MW01	10/2/2001	34.15	34.17	0.02	--	36.62	6466.28
MW01	10/10/2001	34.16	34.18	0.02	--	36.62	6466.27
MW01	12/5/2001	34.25	34.26	0.01	0.02	36.64	6466.18
MW01	12/14/2001	34.27	34.27	0.00	0.02	36.66	6466.16
MW01	12/21/2001	34.24	34.24	0.00	--	36.66	6466.19
MW01	12/28/2001	34.22	34.22	0.00	--	36.66	6466.21
MW01	1/2/2002	34.23	34.23	0.00	--	36.66	6466.20
MW01	1/7/2002	34.23	34.25	0.02	--	36.66	6466.20
MW01	1/23/2002	34.37	34.42	0.05	0.01	36.67	6466.05
MW01	1/30/2002	34.50	34.51	0.01	0.01	36.68	6465.93
MW01	2/7/2002	34.49	34.50	0.01	--	36.68	6465.94
MW01	2/14/2002	34.41	34.42	0.01	--	36.68	6466.02

TABLE 2

SUMMARY OF FREE-PRODUCT REMOVAL
CANADA MESA #2 (METER #87640)

Monitor Well	Removal Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Removal (gallons)	Corrected GW Elevation (ft AMSL)
MW01	2/20/2002	34.99	35.00	0.01	--	36.68	6465.44
MW01	3/7/2002	34.24	34.25	0.01	--	36.68	6466.19
MW01	3/12/2002	34.24	34.25	0.01	--	36.68	6466.19
MW01	3/28/2002	--	34.27	0.00	0.01	36.69	6466.16
MW01	6/22/2003	34.48	34.55	0.07	0.05	36.74	6465.94
MW01	9/15/2003	34.65	34.97	0.32	0.05	36.79	6465.72
MW01	12/15/2003	34.41	34.98	0.57	1.25	38.04	6465.91
MW01	3/17/2004	34.24	34.80	0.56	0.50	38.54	6466.08
MW01	3/22/2004	34.29	34.49	0.20	--	38.54	6466.10
MW01	6/3/2004	34.30	34.44	0.14	0.25	38.79	6466.10
MW01	6/4/2004	34.20	34.30	0.10	--	38.79	6466.21
MW01	9/13/2004	34.64	35.30	0.66	1.00	39.79	6465.66
MW01	9/14/2004	34.65	34.95	0.30	--	39.79	6465.72
MW01	12/15/2004	34.74	35.32	0.58	0.25	40.04	6465.57
MW01	3/22/2005	34.36	35.01	0.65	0.64	40.68	6465.94
MW01	6/24/2005	34.39	34.97	0.58	0.50	41.18	6465.92
MW01	9/14/2005	34.60	35.65	1.05	0.30	41.48	6465.62
MW01	12/14/2005	34.74	35.05	0.31	0.80	42.28	6465.63
MW01	3/28/2006	34.59	35.14	0.55	0.80	43.08	6465.73
MW01	6/7/2006	34.52	35.11	0.59	0.75	43.83	6465.79
MW01	9/29/2006	34.85	35.14	0.29	--	43.83	6465.52
MW01	12/26/2006	34.44	34.85	0.41	1.00	44.83	6465.91
MW01	3/26/2007	34.35	34.60	0.25	0.84	45.67	6466.03
MW01	6/13/2007	34.20	35.39	1.19	--	45.67	6465.99
MW01	9/28/2007	34.86	35.12	0.26	0.79	46.46	6465.52
MW01	12/18/2007	34.18	34.34	0.16	--	46.46	6466.22
MW01	3/5/2008	34.15	34.17	0.02	0.21	46.67	6466.28
MW01	6/4/2008	NA	NA	NA	0.09	46.76	NA
MW01	9/10/2008	--	34.35	0.00	0.09	46.85	6466.08
MW01	12/10/2008	--	34.30	0.00	0.09	46.94	6466.13
MW01	6/9/2009	NA	NA	NA	0.05	47.00	NA
MW01	8/25/2009	--	34.50	0.00	0.02	47.01	6465.93
MW01	11/2/2009	NA	NA	NA	0.09	47.10	NA

TABLE 2

SUMMARY OF FREE-PRODUCT REMOVAL
CANADA MESA #2 (METER #87640)

Monitor Well	Removal Date	Depth to Product (ft BTOC)	Depth to Water (ft BTOC)	Product Thickness (feet)	Volume Removed (gallons)	Cumulative Removal (gallons)	Corrected GW Elevation (ft AMSL)

Notes:

"--" indicates either that product was not measurably detected or that product was not recovered.

"NA" indicates that the respective data point is not available.

Groundwater elevations may not be static due to removal of equipment. Corrections for product thickness utilize SG of 0.8.

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WATER LEVEL DATA

Project Name: San Juan Basin Groundwater **Date:** 03/02/2009
Project Manager: Ashley Ager
Client: MWH
Site Name: Canada Mesa

Well	Time	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Removed	Comments
MW-1	8:33 AM	-	34.22	-	8 oz	set new sock
MW-2		-	35.27	-	-	
MW-3		-	34.83	-	-	

Comments
Operator: Merrion - Bayless (old sign, may not be current).
Reviewed site map, made site photos

Signature: *Ashley L. Ager* Date: 03/02/2009

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WATER LEVEL DATA

Project Name: San Juan Basin Groundwater **Date:** 06/10/2009
Project Manager: Ashley Ager
Client: MWH
Site Name: Canada Mesa

Well	Time	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Removed	Comments
MW-1	1:46 PM	-	35.14	-	7 oz	static, set new sock
MW-2		-	35.23	-	-	
MW-3		-	34.83	-	-	

Comments

Signature: *Ashley L. Ager* Date: 06/11/2009

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WATER LEVEL DATA

Project Name: San Juan Basin Groundwater **Date:** 08/25/2009
Project Manager: Ashley Ager
Client: MWH
Site Name: Canada Mesa

Well	Time	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Removed	Comments
MW-1	2:35 PM	-	34.5	-	1.7 oz	re-installed sock
MW-2		-	35.58	-	-	
MW-3		-	35.18	-	-	

Comments

Signature: *Ashley L. Ager* Date: 08/25/2009

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WATER LEVEL DATA

Project Name: San Juan Basin Groundwater **Date:** 11/03/2009
Project Manager: Ashley Ager
Client: MWH
Site Name: Canada Mesa

Well	Time	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Volume Removed	Comments
MW-1	8:33 AM	34.54	34.57	0.03	11 oz	sample BTEX; set new sock - no parameters collected due to product
MW-2		-	35.65	-	-	sample BTEX
MW-3		-	35.23	-	-	sample BTEX

Comments
purged 4 gallons from MW-1 before sampling. Included product and water. Sampled at 10:57, dark gray, HC odor, sheen. Product bailed down.

Signature: *Ashley L. Ager* Date: 11/06/2009

Gulf Coast ACCUTEST Laboratories

"IT'S ALL IN THE CHEMISTRY"

11/13/09

Technical Report for

Montgomery Watson

San Juan Basin Pit Groundwater Remediation

Canada Mesa/ WO94293

Accutest Job Number: T41527

Sampling Date: 11/03/09

Report to:

MWH Americas
1801 California St. Suite 2900
Denver, CO 80202
jed.smith@mwhglobal.com

ATTN: Jed Smith

Total number of pages in report: **19**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul K Canevaro

Paul Canevaro
Laboratory Director

Client Service contact: Georgia Jones 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5

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Sample Summary

Montgomery Watson

Job No: T41527

San Juan Basin Pit Groundwater Remediation
Project No: Canada Mesa/ WO94293

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T41527-1	11/03/09	09:57	TU	11/05/09	AQ	Ground Water	CANADA MESA MW-3
T41527-2	11/03/09	10:25	TU	11/05/09	AQ	Ground Water	CANADA MESA MW-2
T41527-3	11/03/09	10:57	TU	11/05/09	AQ	Ground Water	CANADA MESA MW-1

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Montgomery Watson	**Job No**	T41527
Site:	San Juan Basin Pit Groundwater Remediation	**Report Date**	11/12/2009 4:36:26 PM

3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 11/03/2009 and were received at Accutest on 11/05/2009 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of T41527. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GC By Method SW846 8021B

Matrix AQ **Batch ID:** GKK1582

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T41575-2MS, T41575-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Benzene are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Benzene are outside control limits. Probable cause due to matrix interference.

Matrix AQ **Batch ID:** GKK1583

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T41699-9MS, T41699-9MSD were used as the QC samples indicated.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	CANADA MESA MW-3		
Lab Sample ID:	T41527-1	Date Sampled:	11/03/09
Matrix:	AQ - Ground Water	Date Received:	11/05/09
Method:	SW846 8021B	Percent Solids:	n/a
Project:	San Juan Basin Pit Groundwater Remediation		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK033105.D	25	11/11/09	FI	n/a	n/a	GKK1582
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	715	25	9.0	ug/l	
108-88-3	Toluene	220	25	7.1	ug/l	
100-41-4	Ethylbenzene	80.0	25	6.3	ug/l	
1330-20-7	Xylenes (total)	570	50	23	ug/l	
95-47-6	o-Xylene	92.1	25	8.9	ug/l	
	m,p-Xylene	478	25	14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		58-125%
98-08-8	aaa-Trifluorotoluene	120%		73-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CANADA MESA MW-2		
Lab Sample ID:	T41527-2	Date Sampled:	11/03/09
Matrix:	AQ - Ground Water	Date Received:	11/05/09
Method:	SW846 8021B	Percent Solids:	n/a
Project:	San Juan Basin Pit Groundwater Remediation		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK033095.D	1	11/11/09	FI	n/a	n/a	GKK1582
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.68	1.0	0.36	ug/l	J
108-88-3	Toluene	ND	1.0	0.28	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylenes (total)	1.5	2.0	0.93	ug/l	J
95-47-6	o-Xylene	ND	1.0	0.36	ug/l	
	m,p-Xylene	1.2	1.0	0.57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		58-125%
98-08-8	aaa-Trifluorotoluene	110%		73-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CANADA MESA MW-1		
Lab Sample ID:	T41527-3	Date Sampled:	11/03/09
Matrix:	AQ - Ground Water	Date Received:	11/05/09
Method:	SW846 8021B	Percent Solids:	n/a
Project:	San Juan Basin Pit Groundwater Remediation		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	KK033117.D	100	11/11/09	FI	n/a	n/a	GKK1583
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1970	100	36	ug/l	
108-88-3	Toluene	6020	100	28	ug/l	
100-41-4	Ethylbenzene	359	100	25	ug/l	
1330-20-7	Xylenes (total)	6110	200	93	ug/l	
95-47-6	o-Xylene	1020	100	36	ug/l	
	m,p-Xylene	5080	100	57	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		58-125%
98-08-8	aaa-Trifluorotoluene	119%		73-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories
10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

FED-EX Tracking # 8706 6705 1164 | Bottle Order Control #
Accutest Quote # | Accutest Job # T41527

Client / Reporting Information

Company Name: MWH
Project Contact: Jed Smith | E-Mail: jed.smith@mwhglobal.com
Address: 1801 California Street, Suite 2900
City: Denver | State: CO | Zip: 80202
Phone No.: 303-291-2276 | Fax No.:
Samplers's Name: Troy Urban

Project Information

Project Name / No.: EPTPC San Juan Basin Pit GW Remediation - Canada Mesa
Bill to: El Paso Corp | Invoice Attn.: Norma Ramos
Address: 1001 Louisiana Street, Rm S1904B
City: Hou | State: TX | Zip: 77002
Phone No.: | Fax No.:
Client Purchase Order #: ~~WO#94293~~ WO 94293

Requested Analyses

BTEX (8021B) Include m, p, & o-xylene

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Wastewater
SO - Soil
SL - Sludge
OI - Oil
LIQ - Liquid
SOL - Other Solid

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles	Number of preserved bottles: HCl	H2SO4	NaOH	ENCORE	NaHSO4	MEOH	NONE	BTEX (8021B)	LAB USE ONLY
	Canada Mesa MW-3	110309	0957	GW	3	X							X	
	Canada Mesa MW-2	110309	1025	GW	3	X							X	
	Canada Mesa MW-1	110309	1057	GW	3	X							X	

Turnaround Time (Business days)

- [X] 10 Day *STANDARD* — Approved By:/ Date:
- [ ] 7 Day
- [ ] 4 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*
- [ ] Other

Real time analytical data available via Lablink

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Data Package
- [ ] TRRP-13
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results & Standard QC

Comments / Remarks

If samples are received unpreserved, please notify MWH regarding holding time!!!

possible product in MW-1 (Canada Mesa)

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Troy Urban 11/4/09	1620	1	2 Fed Ex	11/5/09 900	2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 2.4
			5			

4.1 4

T41527: Chain of Custody
Page 1 of 3

SAMPLE INSPECTION FORM

Accutest Job Number: T41527 Client: MWH Date/Time Received: 11/5/09

# of Coolers Received: 1 Thermometer #: IR1 Temperature Adjustment Factor: +0.4

Cooler Temps: #1: 2.4 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: ~~FEDEX~~ UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: 8706-6705-1164

COOLER INFORMATION

- [ ] Custody seal missing or not intact
- [ ] Temperature criteria not met
- [ ] Wet ice received in cooler

CHAIN OF CUSTODY

- [ ] Chain of Custody not received
- [ ] Sample D/T unclear or missing
- [ ] Analyses unclear or missing
- [ ] COC not properly executed

SAMPLE INFORMATION

- [ ] Sample containers received broken
- [ ] VOC vials have headspace
- [ ] Sample labels missing or illegible
- [ ] ID on COC does not match label(s)
- [ ] D/T on COC does not match label(s)
- [ ] Sample/Bottles rcvd but no analysis on COC
- [ ] Sample listed on COC, but not received
- [ ] Bottles missing for requested analysis
- [ ] Insufficient volume for analysis
- [ ] Sample received improperly preserved

TRIP BLANK INFORMATION

- [ ] Trip Blank on COC but not received
- [ ] Trip Blank received but not on COC
- [ ] Trip Blank not intact
- [ ] Received Water Trip Blank
- [ ] Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: TClaunch 11/05/09

INFORMATION AND SAMPLE LABELING VERIFIED BY: EC 11-5-09

CORRECTIVE ACTIONS

Client Representative Notified: _____ **Date:** _____

By Accutest Representative: _____ **Via:** Phone Email

Client Instructions:

4.1

SAMPLE RECEIPT LOG

JOB #: T41527 DATE/TIME RECEIVED: 11/5/09 9:00

CLIENT: MWH INITIALS: TC

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	CANADA MESA MW-3	11/03/09 09:57	W	40ml	1-3	VR	1 ② 3 4 5 6 7 8	<2 >12
1	2	CANADA MESA MW-2	11/03/09 10:25	↓	↓	1-3	↓	1 ② 3 4 5 6 7 8	<2 >12
1	3	CANADA MESA MW-1	11/03/09 10:57	↓	↓	1-3	↓	1 ② 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12

TC 11/6/09

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

Rev 8/13/01 ewp

T41527: Chain of Custody
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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T41527
Account: MWHCODE Montgomery Watson
Project: San Juan Basin Pit Groundwater Remediation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK1582-MB	KK033089.D	1	11/10/09	FI	n/a	n/a	GKK1582

The QC reported here applies to the following samples: Method: SW846 8021B

T41527-1, T41527-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.36	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.28	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.93	ug/l	
95-47-6	o-Xylene	ND	1.0	0.36	ug/l	
	m,p-Xylene	ND	1.0	0.57	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	84%	58-125%
98-08-8	aaa-Trifluorotoluene	112%	73-139%

Method Blank Summary

Job Number: T41527
Account: MWHCODE Montgomery Watson
Project: San Juan Basin Pit Groundwater Remediation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK1583-MB	KK033111.D	1	11/11/09	FI	n/a	n/a	GKK1583

The QC reported here applies to the following samples: Method: SW846 8021B

T41527-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.36	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.28	ug/l	
1330-20-7	Xylenes (total)	ND	2.0	0.93	ug/l	
95-47-6	o-Xylene	ND	1.0	0.36	ug/l	
	m,p-Xylene	ND	1.0	0.57	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	58-125%
98-08-8	aaa-Trifluorotoluene	114%	73-139%

Blank Spike Summary

Job Number: T41527
Account: MWHCODE Montgomery Watson
Project: San Juan Basin Pit Groundwater Remediation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK1582-BS	KK033085.D	1	11/10/09	FI	n/a	n/a	GKK1582

The QC reported here applies to the following samples: Method: SW846 8021B

T41527-1, T41527-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	21.5	108	86-121
100-41-4	Ethylbenzene	20	20.6	103	81-116
108-88-3	Toluene	20	20.5	103	87-117
1330-20-7	Xylenes (total)	60	62.2	104	85-115
95-47-6	o-Xylene	20	20.8	104	87-116
	m,p-Xylene	40	41.5	104	84-116

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	58-125%
98-08-8	aaa-Trifluorotoluene	115%	73-139%

Blank Spike Summary

Job Number: T41527
Account: MWHCODE Montgomery Watson
Project: San Juan Basin Pit Groundwater Remediation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GKK1583-BS	KK033107.D	1	11/11/09	FI	n/a	n/a	GKK1583

The QC reported here applies to the following samples: Method: SW846 8021B

T41527-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	20	22.1	111	86-121
100-41-4	Ethylbenzene	20	20.8	104	81-116
108-88-3	Toluene	20	22.3	112	87-117
1330-20-7	Xylenes (total)	60	64.3	107	85-115
95-47-6	o-Xylene	20	21.1	106	87-116
	m,p-Xylene	40	43.3	108	84-116

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	91%	58-125%
98-08-8	aaa-Trifluorotoluene	116%	73-139%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T41527
Account: MWHCODE Montgomery Watson
Project: San Juan Basin Pit Groundwater Remediation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T41575-2MS	KK033096.D	1	11/11/09	FI	n/a	n/a	GKK1582
T41575-2MSD	KK033097.D	1	11/11/09	FI	n/a	n/a	GKK1582
T41575-2	KK033090.D	1	11/10/09	FI	n/a	n/a	GKK1582

The QC reported here applies to the following samples: Method: SW846 8021B

T41527-1, T41527-2

CAS No.	Compound	T41575-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.51	J	20	25.4	124*	25.7	126*	1	86-121/19
100-41-4	Ethylbenzene	ND		20	22.5	113	22.4	112	0	81-116/14
108-88-3	Toluene	ND		20	22.8	114	22.9	115	0	87-117/16
1330-20-7	Xylenes (total)	ND		60	66.9	112	66.9	112	0	85-115/12
95-47-6	o-Xylene	ND		20	22.2	111	22.2	111	0	87-116/16
	m,p-Xylene	ND		40	44.7	112	44.7	112	0	84-116/13

CAS No.	Surrogate Recoveries	MS	MSD	T41575-2	Limits
460-00-4	4-Bromofluorobenzene	91%	91%	88%	58-125%
98-08-8	aaa-Trifluorotoluene	111%	112%	109%	73-139%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T41527
Account: MWHCODE Montgomery Watson
Project: San Juan Basin Pit Groundwater Remediation

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T41699-9MS	KK033118.D	20	11/11/09	FI	n/a	n/a	GKK1583
T41699-9MSD	KK033119.D	20	11/11/09	FI	n/a	n/a	GKK1583
T41699-9	KK033114.D	20	11/11/09	FI	n/a	n/a	GKK1583

The QC reported here applies to the following samples: Method: SW846 8021B

T41527-3

CAS No.	Compound	T41699-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	328		400	778	113	761	108	2	86-121/19
100-41-4	Ethylbenzene	597		400	1020	106	1010	103	1	81-116/14
108-88-3	Toluene	5.6	J	400	424	105	414	102	2	87-117/16
1330-20-7	Xylenes (total)	926		1200	2190	105	2170	104	1	85-115/12
95-47-6	o-Xylene	ND		400	433	108	429	107	1	87-116/16
	m,p-Xylene	926		800	1760	104	1740	102	1	84-116/13

CAS No.	Surrogate Recoveries	MS	MSD	T41699-9	Limits
460-00-4	4-Bromofluorobenzene	95%	97%	95%	58-125%
98-08-8	aaa-Trifluorotoluene	115%	115%	115%	73-139%

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office 970-946-1093

Site Visit Memo

To: Jed Smith

From: Ashley Ager

CC: File

Date: June 9, 2009

Re: Canada Mesa Site Visit

13:02, Pulled absorbent sock from MW-1 for static water levels. Removed approximately 7 oz of product.

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office 970-946-1093

Site Visit Memo

To: Jed Smith

From: Ashley Ager

CC: File

Date: November 3, 2009

Re: Canada Mesa Site Visit

11/02/09
0913, Pulled absorbent sock from MW-1 for static water levels. Removed approximately 11 oz of product.

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WELL DEVELOPMENT AND SAMPLING LOG

Project Name: San Juan Basin | Location: Canada Mesa | Well No: MW-2
Client: MWH | Date: 11/3/2009 | Time: 10:07
Project Manager: Ashley Ager | Sampler's Name: Troy Urban

Measuring Point: TOC | Depth to Water: 35.65 ft | Depth to Product: ft
Well Diameter: 2" | Total Depth: 39.17 ft | Product Thickness: ft
Water Column Height: 3.52 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☑ Other bail dry

Water Volume in Well			
Gal/ft x ft of water	Gallons	Ounces	Volume to be removed
3.52 x .16	0.56 x 3		1.68 gal

Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
10:15	7.06	2.64	59.2				0.25	tan, roots
	7.06	2.57	58.8				0.4	tan, roots, bailing down
Final: 10:32	7.10	2.57	58.8				0.6	gray, roots, bailed dry

COMMENTS: well bailed dry during purging.

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Rio Vista

Sample ID: MW-2 Sample Time: 10:25

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☐ Other

Trip Blank: Duplicate Sample:

Lodestar Services, Incorporated
PO Box 4465, Durango, CO 81302 Office (970) 946-1093

WELL DEVELOPMENT AND SAMPLING LOG

Project Name: San Juan Basin | Location: Canada Mesa | Well No: MW-3
Client: MWH | Date: 11/3/2009 | Time: 9:36
Project Manager: Ashley Ager | Sampler's Name: Troy Urban

Measuring Point: TOC | Depth to Water: 35.23 ft | Depth to Product: ft
Well Diameter: 2" | Total Depth: 42.34 ft | Product Thickness: ft
Water Column Height: 7.11 ft

Sampling Method: ☐ Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Other
☑ Bottom Valve Bailer ☐ Double Check Valve Bailer

Criteria: ☑ 3 to 5 Casing Volumes of Water Removal ☑ Stabilization of Indicator Parameters ☑ Other bail dry

Water Volume in Well			
Gal/ft x ft of water	Gallons	Ounces	Volume to be removed
7.16 x .16	1.14 x 3		3.43 gal

Time (military)	pH (su)	SC (ms)	Temp (°C)	ORP (millivolts)	D.O. (mg/L)	Turbidity (NTU)	Vol Evac. gal	Comments/Flow Rate
9:43	7.42	2.52	58.5				0.25	clear, HC odor
	7.42	2.66	58.3				0.5	light gray, HC odor
	7.55	2.77	58.3				0.75	light gray, HC odor
	7.59	2.80	58.3				1	gray, silty, bailing down
Final: 10:03	7.47	3.02	7.5				1.3 gal	dark gray, silty, bailed dry

COMMENTS: well bailed dry during purging.

Instrumentation: ☑ pH Meter ☐ DO Monitor ☑ Conductivity Meter ☑ Temperature Meter ☐ Other

Water Disposal: Rio Vista

Sample ID: MW-3 | Sample Time: 9:57

Analysis Requested: ☑ BTEX ☐ VOCs ☐ Alkalinity ☐ TDS ☐ Cations ☐ Anions ☐ Nitrate ☐ Nitrite ☐ Metals
☐ Other

Trip Blank: | Duplicate Sample: