2014 ANNUAL GROUNDWATER REPORT

Canada Mesa #2 Meter Code: 87640 T24N, R6W, Sec 24, Unit I

SITE DETAILS

Site Location: Latitude: 36.296081 N, Longitude: -107.414109 W

Land Type: Federal

Operator: Merrion Oil & Gas Corporation

SITE BACKGROUND

Site Assessment: 7/94Excavation: 8/94

Canada Mesa #2 (Site) is being managed pursuant to the procedures set forth in the document entitled, "Remediation Plan for Groundwater Encountered during Pit Closure Activities" (El Paso Natural Gas Company / El Paso Field Services Company, 1995). This remediation plan was conditionally approved by the New Mexico Oil Conservation Division (OCD) in correspondence dated November 30, 1995; and the OCD approval conditions were adopted into El Paso CGP Company, LLC's (EPCGP's) program methods. Currently, the Site is operated by Merrion Oil & Gas Corporation and is not active.

Canada Mesa #2 is located on Federal land. Various site investigations have occurred since 1994. Monitoring wells were installed in 1995 (MW-1) and 2000 (MW-2 and MW-3). There are three existing monitoring wells at the Site: MW-1, MW-2, and MW-3. Free product has been observed and recovered from MW-1 periodically. Free product was observed at MW-1 during one site visit in 2014.

SUMMARY OF 2014 ACTIVITIES

On April 4 and October 22, 2014, water levels and free product thickness, if present, were gauged at MW-1, MW-2, and MW-3, and groundwater samples were collected from each well using HydraSleeveTM (HydraSleeve) no-purge passive groundwater sampling devices. The HydraSleeves were set during the previous sampling event approximately 0.5 foot above termination depth of the monitoring wells using a suspension tether and stainless steel weights to collect a sample from the screened interval. Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Test America Laboratories, Inc. in Corpus Christi, Texas where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). Additional field parameters were collected including dissolved oxygen, temperature, conductivity, pH, and oxidation-reduction potential (ORP) using a YSI multi-parameter instrument, if free product was not present. The water remaining in the HydraSleeves was combined in a waste container and taken to Basin Disposal, Inc. for disposal.

2014 ANNUAL GROUNDWATER REPORT

Canada Mesa #2 Meter Code: 87640 T24N, R6W, Sec 24, Unit I

SUMMARY TABLES

Historic analytical and water level data are summarized in Table 1. When free product was present, static water level elevations were corrected for measurable thicknesses of free product (specific gravity of 0.75).

SITE MAPS

Groundwater analytical maps (Figures 1 and 3) and groundwater elevation contour maps (Figures 2 and 4) summarize the results of the 2014 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix A.

RESULTS

- The groundwater flow direction has historically been to the southwest at the Site, though groundwater elevations indicate a flow direction to the southeast (see Figures 2 and 4).
- Approximately 0.78 foot of free product was detected in MW-1 during the April 2014 sampling event and was not sampled.
- For MW-2, benzene was reported as non-detect, or below the laboratory quantification limit (J-flagged) in 2014. Toluene, ethylbenzene, and xylene constituents were not detected at MW-2 during 2014.
- The benzene concentration in groundwater samples collected from MW-3 remained above the New Mexico Water Quality Control Commission standard for both sampling events. Toluene, ethylbenzene, and total xylene concentrations were reported as non-detect or below the laboratory quantification limit (J-flagged) during 2014.

PLANNED FUTURE ACTIVITIES

Installation of additional monitoring wells is planned, after establishment of a right-of-way with the United States Bureau of Land Management. The wells will be installed to further assess the extent of the dissolved-phase hydrocarbons and to confirm and/or further define the groundwater gradient at the Site. MW-1, MW-2, and MW-3, and the newly-installed monitoring wells will be sampled on a semi-annual basis following the completion of a site access agreement with the current site operator.

TABLE

TABLE 1 – GROUNDWATER ANALYTICAL AND WATER LEVEL RESULTS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

				Canada N	lesa #2			
Location	Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)
NMWQC	C Standards:	10	750	750	620	NA	NA	NA
MW-1	11/04/96	5520	8880	469	3920	34.42	33.67	0.75
MW-1	02/05/97	3450	5200	214	1770	34.35	33.64	0.71
MW-1	05/07/97	4650	8440	317	2580	34.24	33.61	0.63
MW-1	01/09/00					33.93	33.79	0.14
MW-1	01/26/00					35.22	35.03	0.19
MW-1	02/15/00					35.11	34.93	0.18
MW-1	10/06/00					34.11	33.82	0.29
MW-1	11/14/00					33.98	33.81	0.17
MW-1	01/03/01					33.96	33.83	0.13
MW-1	01/15/01					33.93	33.78	0.15
MW-1	01/22/01					33.81	-	-
MW-1	01/30/01					33.83	33.82	0.01
MW-1	02/13/01					33.80	-	-
MW-1	02/20/01					33.81	-	-
MW-1	02/28/01					33.81	-	-
MW-1	06/04/01					34.13	33.81	0.32
MW-1	07/03/01					34.09	33.96	0.13
MW-1	08/06/01					34.08	34.07	0.01
MW-1	08/20/01					34.10	34.09	0.01
MW-1	08/31/01					34.17	-	-
MW-1	09/14/01					34.14	34.13	0.01
MW-1	09/26/01					34.15	34.14	0.01
MW-1	10/02/01					34.17	34.15	0.02
MW-1	10/10/01					34.17	34.16	0.02
MW-1	12/05/01					34.16	34.25	0.01
MW-1	12/14/01					34.27	34.23	0.01
MW-1	12/14/01					34.24		_
MW-1	12/21/01					34.22	-	-
MW-1	01/02/02					34.23	-	-
MW-1	01/02/02					34.25	- 24.02	- 0.02
							34.23	0.02
MW-1	01/23/02					34.42	34.37	0.05
MW-1	01/30/02					34.51	34.50	0.01
MW-1	02/07/02					34.50	34.49	0.01
MW-1	02/14/02					34.42	34.41	0.01
MW-1	02/20/02					35.00	34.99	0.01
MW-1	02/26/02					34.25	-	-
MW-1	03/07/02					34.25	34.24	0.01
MW-1	03/12/02					34.25	34.24	0.01
MW-1	03/28/02					34.27	-	-
MW-1	04/03/02					34.26	-	-
MW-1	04/25/02					34.45	-	-
MW-1	05/21/02					34.30	-	-
MW-1	06/10/02					34.32	-	-
MW-1	09/23/02					34.50	-	-
MW-1	03/25/03					34.50	-	-
MW-1	06/22/03					34.55	34.48	0.07
MW-1	09/15/03					34.97	34.65	0.32
MW-1	12/15/03					34.98	34.41	0.57
MW-1	03/17/04					34.80	34.24	0.56
MW-1	03/22/04					34.49	34.29	0.20
MW-1	06/03/04					34.44	34.30	0.14
MW-1	06/04/04					34.30	34.20	0.10
MW-1	09/13/04					35.30	34.64	0.66
MW-1	09/14/04					34.95	34.65	0.30
MW-1	12/15/04					35.32	34.74	0.58
MW-1	03/22/05					35.01	34.36	0.65
MW-1	06/24/05					34.97	34.39	0.58

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

				Canada M	lesa #2			
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)
NMWQC	C Standards:	10	750	750	620	NA	NA	NA
MW-1	09/14/05					35.65	34.60	1.05
MW-1	12/14/05					35.05	34.74	0.31
MW-1	03/28/06					35.14	34.59	0.55
MW-1	06/07/06					35.11	34.52	0.59
MW-1	09/29/06					35.14	34.85	0.29
MW-1	12/26/06					34.85	34.44	0.41
MW-1	03/26/07					34.60	34.35	0.25
MW-1	06/13/07					35.39	34.20	1.19
MW-1	09/28/07					35.12	34.86	0.26
MW-1	12/18/07					34.34	34.18	0.16
MW-1	03/05/08					34.17	34.15	0.02
MW-1	06/16/08					34.17	-	-
MW-1	09/10/08					34.35	-	-
MW-1	12/10/08					34.30	-	-
MW-1	03/02/09					34.22	-	-
MW-1	06/10/09					35.14	-	-
MW-1	08/25/09					34.50	-	-
MW-1	11/03/09	1970	6020	359	6110	34.57	-	-
MW-1	02/16/10					34.57	34.54	0.03
MW-1	06/02/10					34.58	34.34	0.24
MW-1	09/27/10					35.26	34.71	0.55
MW-1	11/08/10	571	9070	1370	27200	34.98	34.73	0.25
MW-1	02/01/11					34.97	34.63	0.34
MW-1	05/02/11					-	35.52	-
MW-1	09/23/11					35.40	34.93	0.47
MW-1	11/10/11	1340	9510	1260	20800	35.21	34.95	0.26
MW-1	02/22/12					34.98	-	-
MW-1	05/15/12					35.04	-	-
MW-1	06/05/13	720	2200	92	4000	39.13	-	-
MW-1	09/10/13	570	1700	63	2900	36.50	-	-
MW-1	12/10/13	190	740	40	1000	35.45	35.35	0.10
MW-1	04/04/14					35.78	35.00	0.78
MW-1	10/22/14					36.25	35.37	0.88

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

				Canada N	lesa #2			
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)
NMWQC	C Standards:		750	750	620	NA	NA	NA
MW-2	11/16/00	3200	330	1200	1100	34.90	-	-
MW-2	06/04/01					34.97	-	-
MW-2	07/03/01					35.07	-	-
MW-2	08/06/01					35.14	-	-
MW-2	08/31/01					35.19	-	-
MW-2	09/14/01					35.21	-	-
MW-2	03/19/02	22	<5	150	14	35.36	-	-
MW-2	12/24/02	12.1	2.1	129	16.4	35.52	-	-
MW-2	03/25/03					35.54	-	-
MW-2	06/22/03					35.60	_	-
MW-2	09/15/03					35.60	_	-
MW-2	12/15/03	10	11.7	55.3	29.7	35.63	_	-
MW-2	03/22/04			23.0		35.41	_	-
MW-2	06/04/04					35.31	_	-
MW-2	09/14/04					35.80	_	-
MW-2	12/15/04	6.3	3.8	8	5.9	35.79	_	-
MW-2	03/22/05	0.0	0.0	Ŭ	0.0	35.63	_	_
MW-2	06/24/05					35.60	_	_
MW-2	09/14/05					35.92	_	_
MW-2	12/14/05					35.85	_	-
MW-2	12/15/05	12.1	30.9	5.6	61.9	35.85		
MW-2	03/28/06	12.1	30.9	5.0	01.9	35.73	_	_
MW-2	06/07/06					35.73		-
MW-2	09/29/06					35.73		-
		F 2		1.0	7.4		-	-
MW-2	12/26/06	5.3	5	1.8	7.1	35.63	-	-
MW-2	03/26/07					35.41	-	-
MW-2	06/13/07					35.32	-	-
MW-2	09/28/07		-	0	0	35.93	-	-
MW-2	12/18/07	<2	<2	<2	<6	35.32	-	-
MW-2	03/05/08					35.22	-	-
MW-2	06/16/08					35.15	-	-
MW-2	09/10/08	1.0	0.7	4 7	4.0	35.45	-	-
MW-2	12/10/08	1.2	2.7	1.7	4.9	35.37	-	-
MW-2	03/02/09					35.27	-	-
MW-2	06/10/09					35.23	-	-
MW-2	08/25/09				4.5.1	35.58	-	-
MW-2	11/03/09	0.68 J	<1	<1	1.5 J	35.65	-	-
MW-2	02/16/10					35.65	-	-
MW-2	06/02/10					35.48	-	-
MW-2	09/27/10	_			_	35.85	-	-
MW-2	11/08/10	<2	<2	<2	<6	35.85	-	-
MW-2	02/01/11					35.75	-	-
MW-2	09/23/11					36.07	-	-
MW-2	11/10/11	1.1	<1	<1	1.4 J	36.08	-	-
MW-2	02/22/12					36.97	-	-
MW-2	05/15/12					36.10	-	-
MW-2	06/05/13	<0.140	< 0.30	<0.20	<0.23	36.18		-
MW-2	09/10/13	0.22	< 0.30	<0.020	<0.23	36.58	-	-
MW-2	12/10/13	0.24 J	<0.38	<0.20	<0.65	36.44		-
MW-2	04/04/14	0.46 J	<0.38	<0.20	< 0.65	35.25	-	-
MW-2	10/22/14	<0.38	<0.70	< 0.50	<1.6	36.65	-	-

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

				Canada N	lesa #2			
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)
NMWQC	C Standards:	10	750	750	620	NA	NA	NA
MW-3	11/16/00	880	1300	420	3700	34.46	-	-
MW-3	06/04/01					34.64	-	-
MW-3	07/03/01					34.66	-	-
MW-3	08/06/01					34.74	-	-
MW-3	08/31/01					34.79	-	-
MW-3	09/14/01					34.81	-	-
MW-3	03/19/02	1100	29	360	3700	34.92	-	-
MW-3	06/10/02					34.98	-	-
MW-3	09/23/02					35.11	-	-
MW-3	12/24/02	1430	95	483	2359	35.15	-	-
MW-3	03/25/03					35.12	-	-
MW-3	06/22/03					35.17	-	-
MW-3	09/15/03					35.41	-	-
MW-3	12/15/03	503 J	79.7 J	148 J	891 J	35.17	-	-
MW-3	03/22/04					34.95	-	-
MW-3	06/04/04					34.88	-	-
MW-3	09/14/04					35.39	-	-
MW-3	12/15/04	410	54.9	88.7	420	35.17	-	-
MW-3	03/22/05					35.17	-	-
MW-3	06/24/05					35.21	-	-
MW-3	09/14/05					35.51	-	-
MW-3	12/15/05	482	32.7	74.1	399	35.40	-	-
MW-3	03/28/06					35.27	-	-
MW-3	06/07/06					35.32	-	-
MW-3	09/29/06					35.47	-	-
MW-3	12/26/06	679	78.9	106	565	35.16	-	-
MW-3	03/26/07					34.96	-	-
MW-3	06/13/07					34.88	-	-
MW-3	09/28/07					35.51	-	-
MW-3	12/18/07	412	39.4	31.5	207	34.88	-	-
MW-3	03/05/08					34.79	-	-
MW-3	06/16/08					34.75	-	-
MW-3	09/10/08					35.13	-	-
MW-3	12/10/08	653	63.2	55.5	253	34.95	-	-
MW-3	03/02/09					34.83	-	-
MW-3	06/10/09					34.83	-	-
MW-3	08/25/09		222			35.18	-	-
MW-3	11/03/09	715	220	80	570	35.23	-	-
MW-3	02/16/10					35.23	-	-
MW-3	06/02/10					35.05	-	-
MW-3	09/27/10	400	4.5	00.4	25.4	35.43	-	-
MW-3	11/08/10	426	15	22.1	85.1	35.43	-	-
MW-3	02/01/11					35.31	-	-
MW-3	09/23/11	407	<i></i>	10.5	540	35.70	-	-
MW-3	11/10/11	167	5.3	16.5	54.3	35.66	-	-
MW-3	02/22/12					35.60	-	-
MW-3	05/15/12	0.40	4.0	04.6	47.0	35.67	-	-
MW-3	06/05/13	340	1.3	31.0	47.0	35.79	-	-
MW-3	09/10/13	340	0.9	12.0	4.2 J	36.20	-	-
MW-3	12/10/13	220	13	6.3	2.6 J	36.00	-	-
MW-3	04/04/14	320	5.4 J	<0.80	<2.6	35.81	-	-
MW-3 Notes:	10/22/14	240	<0.70	0.52 J	<1.6	36.20	-	-

Notes:

Results highlighted yellow exceed their respective New Mexico Water Quality Control Comission standards.

[&]quot;J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result in an approximate value.

[&]quot;<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).

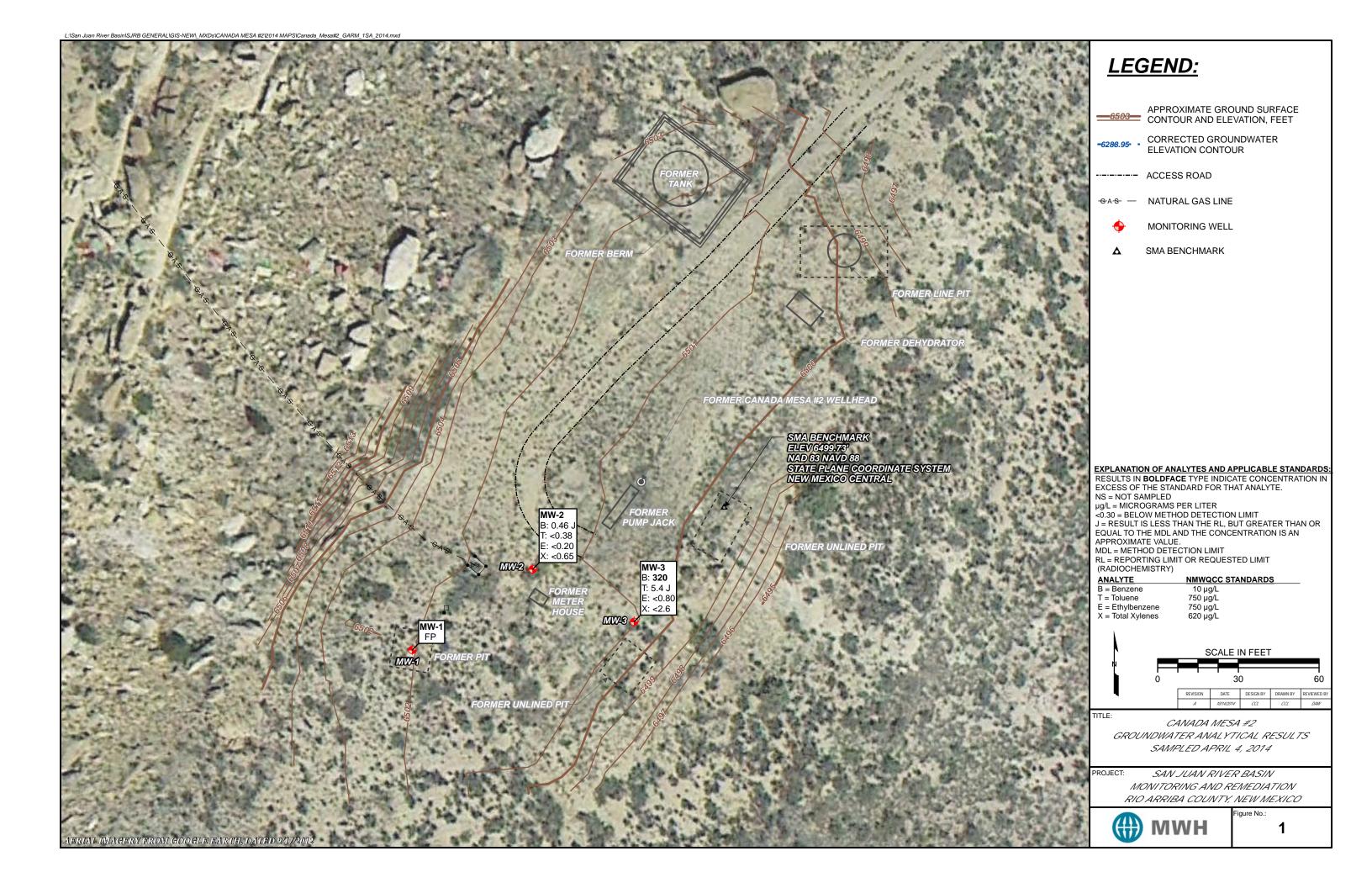
FIGURES

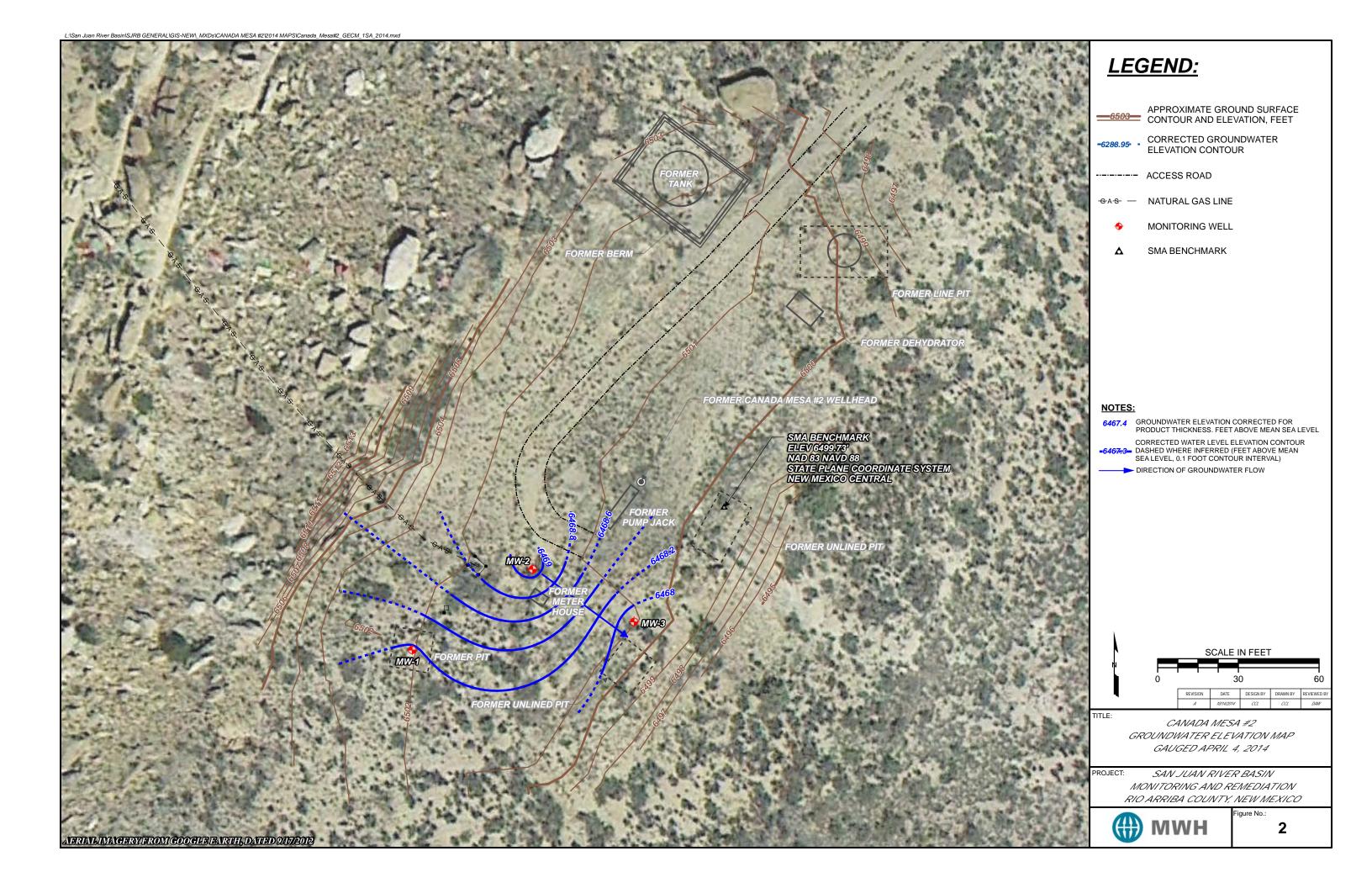
FIGURE 1: APRIL 4, 2014 GROUNDWATER ANALYTICAL RESULTS MAP

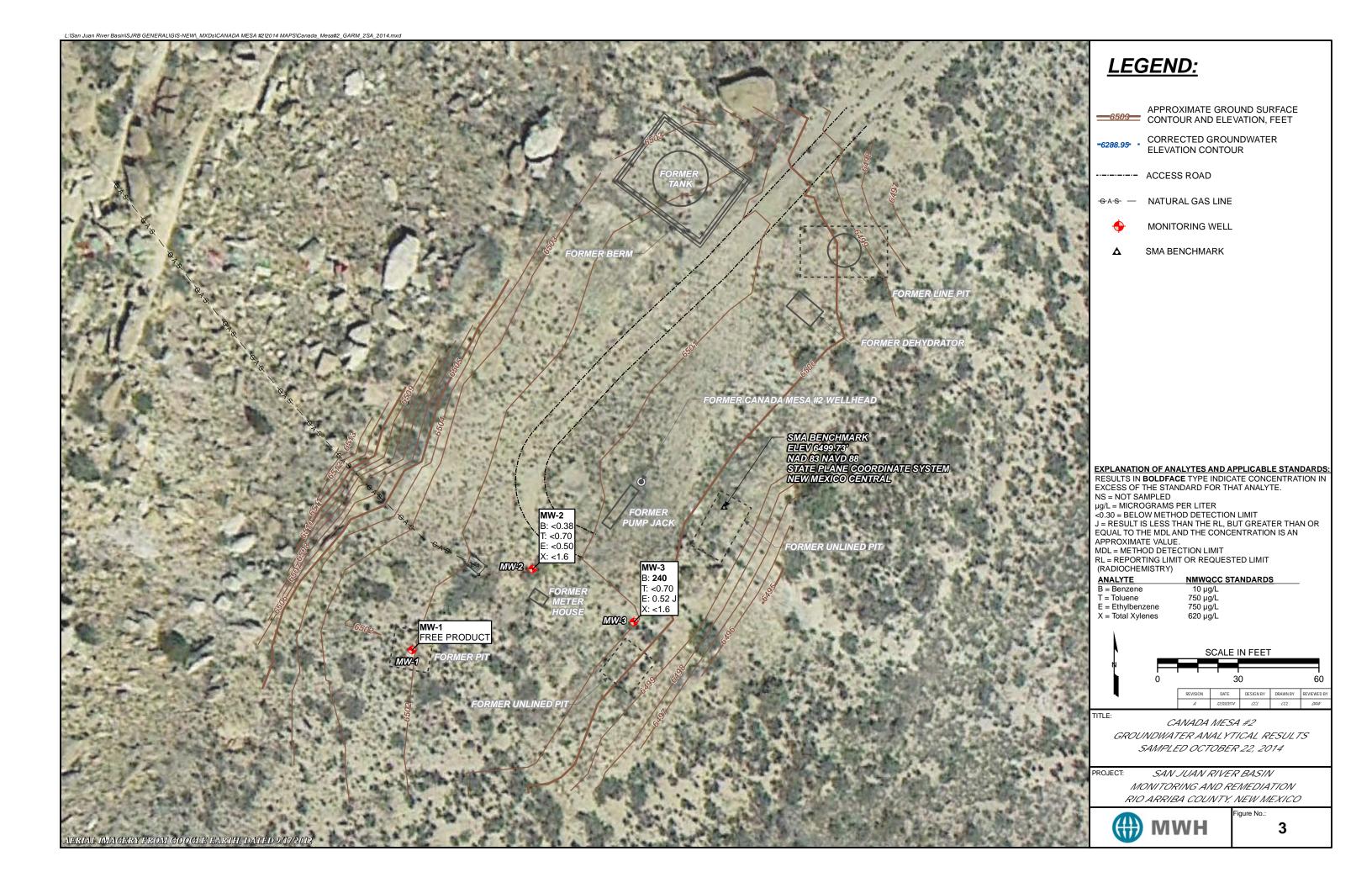
FIGURE 2: APRIL 4, 2014 GROUNDWATER ELEVATION MAP

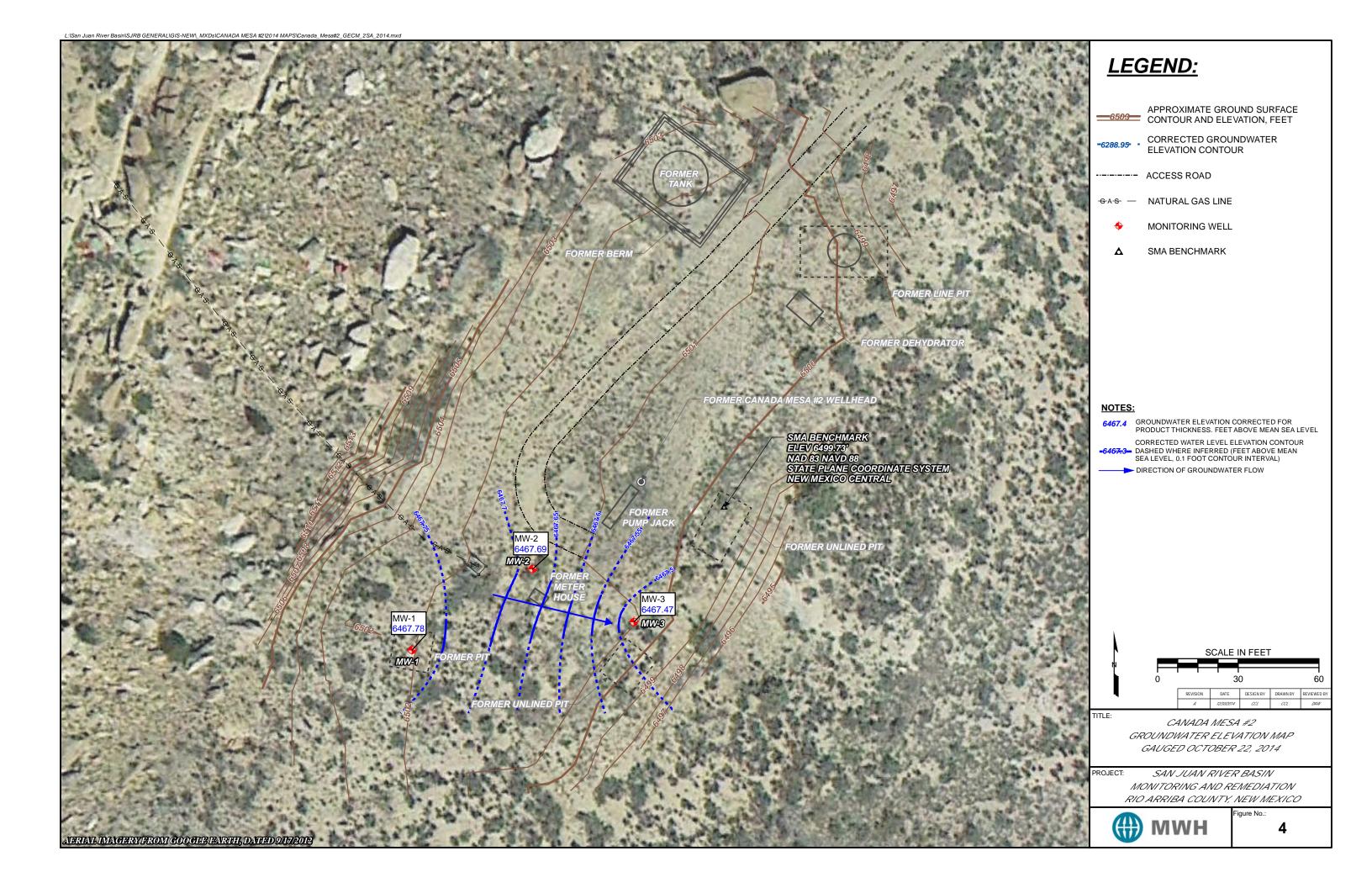
FIGURE 3: OCTOBER 22, 2014 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 4: OCTOBER 22, 2014 GROUNDWATER ELEVATION MAP









APPENDIX A

APRIL 4, 2014 GROUNDWATER SAMPLING ANALYTICAL REPORT OCTOBER 22, 2014 GROUNDWATER SAMPLING ANALYTICAL REPORT



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Corpus Christi 1733 N. Padre Island Drive Corpus Christi, TX 78408 Tel: (361)289-2673

TestAmerica Job ID: 560-46608-1

Client Project/Site: Canada Mesa #2, 4/4/14 BTEX

For:

MWH Americas Inc 1801 California Street Suite 2900 Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Neal Solden

Authorized for release by: 4/22/2014 8:32:39 AM

Neal Salcher, Senior Project Manager neal.salcher@testamericainc.com

·····LINKS ·······

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Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

Not detected at the reporting limit (or MDL or EDL if shown)

Relative Percent Difference, a measure of the relative difference between two points

Reporting Limit or Requested Limit (Radiochemistry)

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Quality Control

Relative error ratio

TestAmerica Job ID: 560-46608-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

ND

PQL

QC RER

RL

RPD

TEF

TEQ

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated

TestAmerica Corpus Christi

Case Narrative

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Job ID: 560-46608-1

Laboratory: TestAmerica Corpus Christi

Narrative

Job Narrative 560-46608-1

Comments

No additional comments.

Receipt

The samples were received on 4/8/2014 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

Except:

container "C" broken in log, sufficient volume remains

GC VOA

Method(s) 8021B: LCS and MB are also designated as ICV and ICB for calibration...batch 100781

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: MWH Americas Inc

Client Sample ID: MW-2

Client Sample ID: MW-3

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Lab Sample ID: 560-46608-1

Analyte	Result	Qualifier	RL	MDL Unit	Dil Fac	D Method	Prep Type
Benzene	0.46	J	2.0	0.20 ug/L	1	8021B	Total/NA

Lab Sample ID: 560-46608-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	: D	Method	Prep Type
Benzene	320		8.0	0.80	ug/L		_	8021B	Total/NA
Toluene	5.4	J	8.0	1.5	ua/L	4	ļ	8021B	Total/NA

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Client Sample Results

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Lab Sample ID: 560-46608-1

Matrix: Water

Date Collected: 04/04/14 09:05 Date Received: 04/08/14 09:45

Client Sample ID: MW-2

Method: 8021B - Volatile Orga	nic Compounds	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.46	J	2.0	0.20	ug/L			04/14/14 21:37	1
Toluene	<0.38		2.0	0.38	ug/L			04/14/14 21:37	1
Ethylbenzene	<0.20		2.0	0.20	ug/L			04/14/14 21:37	1
Xylenes, Total	<0.65		2.0	0.65	ug/L			04/14/14 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		58 - 129			-		04/14/14 21:37	1
Trifluorotoluene (Surr)	107		54 - 130					04/14/14 21:37	1

Client Sample ID: MW-3 Lab Sample ID: 560-46608-2

Matrix: Water Date Collected: 04/04/14 09:00

Method: 8021B - Volatile Orga	nic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	320		8.0	0.80	ug/L			04/16/14 14:02	
Toluene	5.4	J	8.0	1.5	ug/L			04/16/14 14:02	4
Ethylbenzene	<0.80		8.0	0.80	ug/L			04/16/14 14:02	4
Xylenes, Total	<2.6		8.0	2.6	ug/L			04/16/14 14:02	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		58 - 129			-		04/16/14 14:02	4
Trifluorotoluene (Surr)	108		54 ₋ 130					04/16/14 14:02	4

4/22/2014

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 560-100789/7

Matrix: Water

Analysis Batch: 100789

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв Result Qualifier RL Analyte MDL Unit D Prepared Analyzed Dil Fac Benzene <0.20 2.0 0.20 ug/L 04/14/14 16:55 <0.38 Toluene 2.0 0.38 ug/L 04/14/14 16:55 <0.20 04/14/14 16:55 Ethylbenzene 2.0 0.20 ug/L < 0.65 04/14/14 16:55 Xylenes, Total 2.0 0.65 ug/L

MB MB Surrogate Qualifier Limits Dil Fac %Recovery Prepared Analyzed 4-Bromofluorobenzene (Surr) 88 58 - 129 04/14/14 16:55 100 54 - 130 Trifluorotoluene (Surr) 04/14/14 16:55

Lab Sample ID: LCS 560-100789/6

Matrix: Water

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analysis Batch: 100789

Client Sample ID: Lab Control Sample Prep Type: Total/NA

70 - 130

95

LCS LCS %Rec. Spike Added Result Qualifier Unit %Rec Limits 40.0 38.5 ug/L 96 70 - 130 40.0 40.6 ug/L 101 70 - 130 40.0 39.6 99 70 - 130 ug/L

ug/L

LCS LCS Qualifier Limits Surrogate %Recovery 104 58 - 129 4-Bromofluorobenzene (Surr) Trifluorotoluene (Surr) 106 54 - 130

Lab Sample ID: MB 560-100888/3

Matrix: Water

Analysis Batch: 100888

Client Sample ID: Method Blank

Prep Type: Total/NA

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L			04/16/14 10:43	1
Toluene	<0.38		2.0	0.38	ug/L			04/16/14 10:43	1
Ethylbenzene	<0.20		2.0	0.20	ug/L			04/16/14 10:43	1
Xylenes, Total	<0.65		2.0	0.65	ug/L			04/16/14 10:43	1

120

114

	MB I	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		58 - 129		04/16/14 10:43	1
Trifluorotoluene (Surr)	88		54 ₋ 130		04/16/14 10:43	1

Lab Sample ID: LCS 560-100888/2

Matrix: Water

Analysis Batch: 100888

Client Sample ID	Lab Control Sample
	Prep Type: Total/NA

7 maryoto Batom 100000								
-	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	40.0	40.0		ug/L		100	70 - 130	
Toluene	40.0	41.1		ug/L		103	70 - 130	
Ethylbenzene	40.0	40.9		ug/L		102	70 - 130	
Xylenes, Total	120	118		ug/L		98	70 - 130	

TestAmerica Corpus Christi

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4/22/2014

QC Sample Results

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 560-100888/2

Matrix: Water

Analysis Batch: 100888

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		58 - 129
Trifluorotoluene (Surr)	99		54 - 130

Certification Summary

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Laboratory: TestAmerica Corpus Christi

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Kansas	NELAP	7	E-10362	10-31-14
Oklahoma	State Program	6	9968	08-31-14
Texas	NELAP	6	T104704210	03-31-15

2

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Method Summary

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	TAL CC

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

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Sample Summary

Client: MWH Americas Inc

Project/Site: Canada Mesa #2, 4/4/14 BTEX

TestAmerica Job ID: 560-46608-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-46608-1	MW-2	Water	04/04/14 09:05	04/08/14 09:45
560-46608-2	MW-3	Water	04/04/14 09:00	04/08/14 09:45

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Chain of Custody Record

Corpus Christi, TX 78408 Phone (361) 289-2673 Fax (361) 289-2471

TestAmerica Corpus Christi

1733 N. Padre Island Drive

Client Information	Sampler: Sarah Gardner		Chris Lee	Lab PM Kellogg,	Lab РМ Kellogg, Timothy L.		Carrier Tracking No(s).		COC No: 560-13131-1157	
Client Contact. Mir-Berniel Water Sara h Gardner	303 241 3	2239		E-Mail: tim.kello	E-Mail: tim.kellogg@testamericainc.com	inc.com	844527757342	,	Page Pag Loc: 560	
Company [.] MWH Americas Inc						Analysis Requested	quested		46608	
Address 1801 California Street Suite 2900	Due Date Requested:	iq:								
City: Denver	TAT Requested (days):	ys):								A
State, Zlp: CO, 80202		•			- Anne Maria				D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 E - MaOH B - Na2S2SO3	
Phone: 113-420-3414(Tel) 303 291 2239	Po #: Purchase Order not required	not required		(0)	-					ydrate
Email: Sarah .garan.er Daniel.A.Wede @us.mwhglobal.com	WO#: TWO#C-STLI-				(on					
Project Name: San Juan River Basin Pit Sites	Project #: 56000058				10 59					
site: Canada Mesa #2	SSOW#:	,			r) usi				Other:	
Sample Identification	Sample Date	Sample Time	Sample Marype (w. Zype S= (C=comp, O=w	Matrix ed (w=water, S=solid, O=waste/oll, ed Heartssue, A=Air)	Perform MS/N 8260B - BTEX			Total Number	Special Instructions/Note:	 •
	\bigvee_{i}	\bigvee	ן ש	;ode:	A			X		
MANY-	4414		*	Water				1	Not Sampted	W
MW-2	4 4 14	905	3	Water	X			w	l	
MW-3	4 4 14	900	W	Water	X			8		
	•		M	Water					•	
			M	Water						
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			M	Water			Polares			
			W	Water						
			M	Water						
		_	\$	Water			260	-46608 Cha	560-46608 Chain of Custody	
			M	Water					:	
Rossible Hazard Identification Non-Hazard Flammable Skin Irritant	Unknown		Radiological		ample Dispos	al (A fee may be Client	assessed if samples Disposal By Lab	s are retaine	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months	
Déliverable Requested: I, II, III, IV, Other (specify)					pecial Instruction	Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:	The state of the s	Time:			Method of Shipment:	nt:		
Relinquished by: Manual M	Date/Time:	906	Company Company	of A	Received by. Received by:	人沃加	Date/Time:	ime; //8//	Gompany Company	
Refinquished by.	Date/Time:		Company	nny	Received by:		.Date/Time.	ime:	Сотрапу	
Custody Seals Intact: Custody Seal No.:					Cooler Tempera	Cooler Temperature(s) °C and Other Remarks:	emarks: Apl. 6°C.	1	Cor 19° + 200 se,	
							147	1		

Client: MWH Americas Inc Job Number: 560-46608-1

Login Number: 46608 List Source: TestAmerica Corpus Christi

List Number: 1

Creator: Rood, Vivian R

Creator: Rood, vivian R		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola 3355 McLemore Drive Pensacola, FL 32514 Tel: (850)474-1001

TestAmerica Job ID: 400-97671-1

Client Project/Site: KM Canada Mesa #2

For:

MWH Americas Inc 1801 California Street **Suite 2900** Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Bernen Kirken Authorized for release by:

11/6/2014 1:19:36 PM

Bernard Kirkland, Manager of Project Management

(912)354-7858 e.3238

bernard.kirkland@testamericainc.com

Designee for

Neal Salcher, Senior Project Manager (713)690-4444

neal.salcher@testamericainc.com

----- LINKS -----

Review your project results through **Total Access**

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: MWH Americas Inc Project/Site: KM Canada Mesa #2 TestAmerica Job ID: 400-97671-1

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Definitions/Glossary

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

TestAmerica Job ID: 400-97671-1

Qualifiers

GC/MS VOA

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

MDC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit

MDL Method Detection Limit
ML Minimum Level (Dioxin)

NC Not Calculated

ND Not detected at the reporting limit (or MDL or EDL if shown)

Minimum detectable concentration

PQL Practical Quantitation Limit

QC Quality Control
RER Relative error ratio

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

TestAmerica Job ID: 400-97671-1

Job ID: 400-97671-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-97671-1

Comments

No additional comments.

Receipt

The samples were received on 10/28/2014 9:39 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Sample Summary

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

TestAmerica Job ID: 400-97671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-97671-1	MW-2	Water	10/22/14 13:30	10/28/14 09:39
400-97671-2	MW-3	Water	10/22/14 13:35	10/28/14 09:39
400-97671-3	TRIP BLANK	Water	10/22/14 13:50	10/28/14 09:39

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TestAmerica Job ID: 400-97671-1

Client: MWH Americas Inc Project/Site: KM Canada Mesa #2

Client Sample ID: MW-2 Lab Sample ID: 400-97671-1

Date Collected: 10/22/14 13:30 **Matrix: Water**

Date Received: 10/28/14 09:39

Method: 8260B - Volatile Or	rganic Compounds (GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0	0.38	ug/L			10/30/14 17:36	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			10/30/14 17:36	1
Toluene	<0.70		1.0	0.70	ug/L			10/30/14 17:36	1
Xylenes, Total	<1.6		10	1.6	ug/L			10/30/14 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		78 - 118			-		10/30/14 17:36	1
Dibromofluoromethane	103		81 - 121					10/30/14 17:36	1
Toluene-d8 (Surr)	94		80 - 120					10/30/14 17:36	1

Lab Sample ID: 400-97671-2 Client Sample ID: MW-3

Date Collected: 10/22/14 13:35 **Matrix: Water**

Date Received: 10/28/14 09:39

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	240		1.0	0.38	ug/L			10/31/14 17:31	1
Ethylbenzene	0.52	J	1.0	0.50	ug/L			10/31/14 17:31	1
Toluene	<0.70		1.0	0.70	ug/L			10/31/14 17:31	1
Xylenes, Total	<1.6		10	1.6	ug/L			10/31/14 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	118		78 - 118			-		10/31/14 17:31	1
Dibromofluoromethane	98		81 - 121					10/31/14 17:31	1

Client Sample ID: TRIP BLANK Lab Sample ID: 400-97671-3

80 - 120

96

Date Collected: 10/22/14 13:50 Date Received: 10/28/14 09:39

Toluene-d8 (Surr)

Method: 8260B - Volatile Or	ganic Compounds	(GC/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0	0.38	ug/L			11/02/14 10:40	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			11/02/14 10:40	1
Toluene	<0.70		1.0	0.70	ug/L			11/02/14 10:40	1
Xylenes, Total	<1.6		10	1.6	ug/L			11/02/14 10:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		78 - 118			-		11/02/14 10:40	1
Dibromofluoromethane	113		81 - 121					11/02/14 10:40	1
Toluene-d8 (Surr)	89		80 - 120					11/02/14 10:40	1

TestAmerica Pensacola

10/31/14 17:31

Matrix: Water

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

TestAmerica Job ID: 400-97671-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-234865/4

Matrix: Water

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analysis Batch: 234865

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв Result Qualifier RL Dil Fac MDL Unit D Prepared Analyzed 1.0 <0.38 0.38 ug/L 10/30/14 10:51 <0.50 1.0 0.50 ug/L 10/30/14 10:51 <0.70 1.0 0.70 ug/L

1.6 ug/L

10/30/14 10:51 10/30/14 10:51

MB MB Surrogate Qualifier Limits Prepared Dil Fac %Recovery Analyzed 78 - 118 4-Bromofluorobenzene 107 10/30/14 10:51 97 81 - 121 10/30/14 10:51 Dibromofluoromethane 80 - 120 Toluene-d8 (Surr) 10/30/14 10:51 97

10

Lab Sample ID: LCS 400-234865/1002

Matrix: Water

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Analysis Batch: 234865

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Spike LCS LCS %Rec. Added Result Qualifier %Rec Limits Unit D 50.0 40.9 ug/L 82 79 - 120 50.0 43.6 87 80 - 120 ug/L 42.3 50.0 ug/L 85 80 - 120 100 85.5 ug/L 86 70 - 130

LCS LCS

<1.6

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	99		78 - 118
Dibromofluoromethane	106		81 - 121
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 400-234868/4

Matrix: Water

Analysis Batch: 234868

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB

Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38	1.0	0.38	ug/L			10/31/14 13:27	1
Ethylbenzene	<0.50	1.0	0.50	ug/L			10/31/14 13:27	1
Toluene	<0.70	1.0	0.70	ug/L			10/31/14 13:27	1
Xylenes, Total	<1.6	10	1.6	ug/L			10/31/14 13:27	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		78 - 118		10/31/14 13:27	1
Dibromofluoromethane	98		81 - 121		10/31/14 13:27	1
Toluene-d8 (Surr)	97		80 - 120		10/31/14 13:27	1

Lab Sample ID: LCS 400-234868/1002

Matrix: Water

Analysis Batch: 234868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	50.0	44.7		ug/L		89	79 - 120	
Ethylbenzene	50.0	44.0		ug/L		88	80 _ 120	

TestAmerica Pensacola

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11/6/2014

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-234868/1002

Matrix: Water

Analyte

Toluene

Xylenes, Total

Analysis Batch: 234868

Client Sample ID: Lab Control Sample Prep Type: Total/NA

LCS LCS Spike %Rec. Result Qualifier Unit Added %Rec Limits 50.0 43.2 80 - 120 86 ug/L 100 87.4 ug/L 70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	96		78 - 118
Dibromofluoromethane	107		81 - 121
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: MB 400-235167/4

Matrix: Water

Analysis Batch: 235167

Client Sample ID: Method Blank

Prep Type: Total/NA

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.38		1.0	0.38	ug/L			11/02/14 10:13	1
Ethylbenzene	<0.50		1.0	0.50	ug/L			11/02/14 10:13	1
Toluene	<0.70		1.0	0.70	ug/L			11/02/14 10:13	1
Xylenes, Total	<1.6		10	1.6	ug/L			11/02/14 10:13	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepare	ed	Analyzed	Dil Fac	
4-Bromofluorobenzene	92		78 - 118		11.	/02/14 10:13	1	
Dibromofluoromethane	105		81 - 121		11.	/02/14 10:13	1	
Toluene-d8 (Surr)	89		80 - 120		11.	/02/14 10:13	1	

Lab Sample ID: LCS 400-235167/1002

Matrix: Water

Analysis Batch: 235167

Client Sample ID:	Lab Control Sample
	Prep Type: Total/NA

	Spike	LCS	LCS		%Rec.	
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits	
Benzene	50.0	55.0	ug/L	110	79 - 120	·
Ethylbenzene	50.0	49.5	ug/L	99	80 - 120	
Toluene	50.0	48.8	ug/L	98	80 - 120	
Xylenes, Total	100	99.2	ug/L	99	70 - 130	
Xylenes, Total	100	99.2	ug/L	99	70 - 130	

	LCS LCS	
Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene	98	78 - 118
Dibromofluoromethane	112	81 - 121
Toluene-d8 (Surr)	94	80 - 120

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

TestAmerica Job ID: 400-97671-1

Lab Sample ID: 400-97671-1

Matrix: Water

Date Collected: 10/22/14 13:30 Date Received: 10/28/14 09:39

Client Sample ID: MW-2

Batch Dilution Batch Batch Prepared Factor Prep Type Type Method Run Number or Analyzed Analyst Lab Total/NA Analysis 8260B 234865 10/30/14 17:36 ARM TAL PEN

Lab Sample ID: 400-97671-2

Client Sample ID: MW-3 Date Collected: 10/22/14 13:35 Matrix: Water

Date Received: 10/28/14 09:39

Batch Batch Dilution Batch Prepared or Analyzed Method Run Factor Prep Type Туре Number Analyst Lab Total/NA 8260B 234868 10/31/14 17:31 EAS TAL PEN Analysis

Client Sample ID: TRIP BLANK Lab Sample ID: 400-97671-3

Date Collected: 10/22/14 13:50 **Matrix: Water**

Date Received: 10/28/14 09:39

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab 8260B 235167 11/02/14 10:40 EAS TAL PEN Total/NA Analysis

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: MWH Americas Inc

Project/Site: KM Canada Mesa #2

TestAmerica Job ID: 400-97671-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Chain of Custody Record

TestAmerico

S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify) Special Instructions/Note: N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Month COC No: 560-15202-1502.1 Preservation Codes Special Instructions/QC,Requirements: Do NoT SAMPLE MTBE C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchilor
H - Ascorbic Acid Page. Page 1 of 1 I - Ice J - DI Water K - EDTA L - EDA arenistnoo to redmuM istoT Date/Time: R Analysis Requested 400-97671 COC Cooler Temperature(s) °C and Other Remarks; neal.salcher@testamericainc.com Received by: -aatm/xata-(gom). Sampler.

Chr.s Lee, Sarah Gadner, Neal Phone.

Fhone: Company Company Preservation Code: Matrix Water Water Water Water Company Sample
Type
(C=comp,
G=grab) Radiological O U 315 Sample Time Po#: Purchase Order Requested 10/22/14 1330 10122/14 1335 10/22/14 1350 Date: TAT Requested (days) Unknown Due Date Requested: Sample Date wo#. As per Enfos Project #. 56004957 SSOW#. Date/Time: Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Possible Hazard Identification
Non-Hazard | Hammable 1801 California Street Suite 2900 sarah.gardner@mwhglobal.com TRIP BLANK Empty Kit Relinquished by: Custody Seals Intact

Δ Yes Δ No Client Information Sample Identification Project Name: KM Canada Mesa #2 Phone: |303-291-2239(Tel) Client Contact Ms. Sarah Gardner MWH Americas Inc Mw-2 MW-3 celingwished by: Relinquished by: State, Zip: CO, 80202 Denver

©orpus Chřisti, TX 78408 Phone (361) 289-2673 Fax (361) 289-2471 1733 N. Padre Island Drive

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