

2014 ANNUAL GROUNDWATER REPORT

**Miles Federal #1A
Meter Code: 94810
T26N, R7W, Sec5, Unit F**

SITE DETAILS

Site Location: Latitude: 36.515700 N, Longitude -107.601460 W
Land Type: Federal
Operator: Cross Timbers Energy, LLC

SITE BACKGROUND

- **Site Assessment:** 1/94
- **Excavation:** 6/94

Miles Federal #1A (Site) is being managed pursuant to the procedures set forth in the document entitled, “Remediation Plan for Groundwater Encountered during Pit Closure Activities” (Remediation Plan, 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 XTO Energy, Inc. and is active.

The Site is located on Federal land. Several site investigations were conducted from 1994 to 1999. Monitoring wells were installed in 1994 (MW-1) and 1999 (MW-2 and MW-3). A temporary piezometer was installed in 1997 (PZ-1). Free product recovery has been periodically conducted at the Site. Currently, groundwater sampling is conducted on a semi-annual basis. Free product was not observed in 2014.

SUMMARY OF 2014 ACTIVITIES

On April 4 and October 24, 2014, water levels were gauged at MW-1, MW-2, and MW-3, and groundwater samples were collected from MW-1, MW-2, and MW-3 using HydraSleeve™ (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 TestAmerica 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. The water remaining in the HydraSleeves was combined in a waste container and taken to Basin Disposal, Inc. for disposal.

SUMMARY TABLES

Historic analytical and water level data are summarized in Table 1.

2014 ANNUAL GROUNDWATER REPORT

**Miles Federal #1A
Meter Code: 94810
T26N, R7W, Sec5, Unit F**

SITE MAPS

Groundwater analytical and groundwater elevation contour maps from each sampling event are included as Figures 1 through 4.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix A.

RESULTS

- The groundwater flow direction is generally to the northwest at the Site (see Figures 2 and 4).
- Concentrations of benzene and total xylenes in groundwater collected from MW-1 remained above the New Mexico Water Quality Control Commission (NMWQCC) standard for both 2014 semi-annual sampling events. Toluene and ethylbenzene were not detected above standards during any sampling event in 2014.
- BTEX constituents were not detected in groundwater samples collected from MW-2 during both of the events.
- BTEX constituents were not detected in samples collected from MW-3 during both of the events.

PLANNED FUTURE ACTIVITIES

A discussion with the New Mexico Oil Conservation District (NMOCD) on monitoring well installation is planned for 2015. New monitoring wells may be installed at the Site to further assess the extent of dissolved-phase hydrocarbons and to confirm and/or further define the groundwater gradient at the Site. MW-1, MW-2, MW-3, and the newly-installed monitoring wells will be sampled on a semi-annual basis.

TABLES

TABLE 1 – GROUNDWATER ANALYTICAL AND WATER LEVEL RESULTS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | | | | |
|-------------------|----------|-------------------|-------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| 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.) |
| NMWQCC Standards: | | 10 | 750 | 750 | 620 | NA | NA | NA |
| MW-1 | 11/05/96 | 1050 | 1630 | 391 | 2620 | 30.58 | 30.10 | 0.48 |
| MW-1 | 02/07/97 | 671 | 809 | 439 | 2550 | 30.05 | 29.91 | 0.14 |
| MW-1 | 05/06/97 | 300 | 350 | 320 | 1880 | 30.18 | 30.04 | 0.14 |
| MW-1 | 04/11/01 | | | | | 31.81 | 30.61 | 1.20 |
| MW-1 | 07/03/01 | | | | | 32.76 | 31.18 | 1.58 |
| MW-1 | 09/04/01 | | | | | 31.80 | 30.68 | 1.12 |
| MW-1 | 10/01/01 | | | | | 31.41 | 31.16 | 0.25 |
| MW-1 | 01/02/02 | | | | | 32.17 | 31.20 | 0.97 |
| MW-1 | 04/01/02 | | | | | 31.45 | 31.09 | 0.36 |
| MW-1 | 07/15/02 | | | | | 32.35 | 31.43 | 0.92 |
| MW-1 | 10/08/02 | | | | | 31.73 | 31.33 | 0.40 |
| MW-1 | 01/27/03 | | | | | 31.59 | 31.21 | 0.38 |
| MW-1 | 04/26/03 | | | | | 31.30 | 31.16 | 0.14 |
| MW-1 | 07/17/03 | | | | | 32.31 | 31.73 | 0.58 |
| MW-1 | 01/19/04 | | | | | 31.49 | 31.32 | 0.17 |
| MW-1 | 07/27/04 | | | | | 32.47 | 31.89 | 0.58 |
| MW-1 | 10/20/04 | | | | | 32.24 | 31.95 | 0.29 |
| MW-1 | 01/25/05 | | | | | 31.91 | 31.75 | 0.16 |
| MW-1 | 04/14/05 | | | | | 31.52 | - | - |
| MW-1 | 07/19/05 | | | | | 32.43 | 32.32 | 0.11 |
| MW-1 | 10/21/05 | | | | | 32.02 | - | - |
| MW-1 | 01/23/06 | | | | | 31.93 | 31.92 | 0.01 |
| MW-1 | 04/28/06 | | | | | 31.85 | - | - |
| MW-1 | 07/26/06 | | | | | 31.94 | - | - |
| MW-1 | 10/24/06 | | | | | 30.71 | - | - |
| MW-1 | 01/17/07 | | | | | 30.99 | - | - |
| MW-1 | 04/24/07 | | | | | 30.95 | - | - |
| MW-1 | 07/31/07 | | | | | 31.32 | - | - |
| MW-1 | 10/25/07 | | | | | 31.40 | - | - |
| MW-1 | 01/25/08 | | | | | 31.12 | - | - |
| MW-1 | 04/17/08 | 122 | 203 | 369 | 2550 | 31.04 | - | - |
| MW-1 | 07/23/08 | | | | | 31.23 | - | - |
| MW-1 | 10/08/08 | | | | | 31.77 | - | - |
| MW-1 | 01/16/09 | | | | | 31.74 | 31.66 | 0.08 |
| MW-1 | 04/06/09 | 104 | 199 | 596 | 1840 | 31.82 | - | - |
| MW-1 | 08/25/09 | | | | | 32.30 | - | - |
| MW-1 | 11/02/09 | | | | | 32.20 | - | - |
| MW-1 | 02/16/10 | | | | | 31.74 | - | - |
| MW-1 | 06/02/10 | 186 | 266 | 370 | 2320 | 31.53 | 31.50 | 0.03 |
| MW-1 | 09/27/10 | | | | | 31.89 | - | - |
| MW-1 | 11/01/10 | | | | | 31.76 | - | - |
| MW-1 | 02/01/11 | | | | | 31.63 | - | - |
| MW-1 | 05/09/11 | 14.6 | 19.3 | 86.9 | 236 | 31.60 | - | - |
| MW-1 | 09/23/11 | | | | | 32.40 | - | - |
| MW-1 | 11/02/11 | | | | | 32.27 | - | - |
| MW-1 | 02/22/12 | | | | | 31.99 | - | - |
| MW-1 | 05/15/12 | 60.9 | 79.9 | 136 | 602 | 32.08 | - | - |
| MW-1 | 06/05/13 | 44 | 78 | 120 | 830 | 31.80 | - | - |
| MW-1 | 09/10/13 | 300 | 510 | 250 | 2200 | 31.30 | - | - |
| MW-1 | 12/11/13 | 21 | 37 | 21 | 230 | 31.16 | - | - |
| MW-1 | 04/04/14 | 81 | 130 | 120 | 800 | 31.22 | - | - |
| MW-1 | 10/24/14 | 73 | 32 | 95 | 1300 | 31.50 | - | - |

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | | | | |
|-------------------|----------|-------------------|-------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| 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.) |
| NMWQCC Standards: | | 10 | 750 | 750 | 620 | NA | NA | NA |
| MW-2 | 10/15/99 | <0.5 | 2.1 | 5.5 | 2.8 | 27.97 | - | - |
| MW-2 | 07/03/01 | | | | | 32.51 | - | - |
| MW-2 | 09/04/01 | | | | | 28.30 | - | - |
| MW-2 | 10/01/01 | | | | | 28.61 | - | - |
| MW-2 | 07/15/02 | <0.5 | 0.6 | 0.9 | 1.4 | 31.46 | - | - |
| MW-2 | 10/08/02 | | | | | 30.77 | - | - |
| MW-2 | 01/27/03 | | | | | 30.64 | - | - |
| MW-2 | 04/26/03 | | | | | 31.51 | - | - |
| MW-2 | 07/17/03 | | | | | 31.23 | - | - |
| MW-2 | 01/19/04 | | | | | 31.14 | - | - |
| MW-2 | 07/27/04 | | | | | 31.37 | - | - |
| MW-2 | 10/20/04 | | | | | 31.33 | - | - |
| MW-2 | 01/25/05 | | | | | 31.56 | - | - |
| MW-2 | 04/14/05 | | | | | 31.33 | - | - |
| MW-2 | 07/19/05 | | | | | 31.97 | - | - |
| MW-2 | 10/21/05 | | | | | 31.09 | - | - |
| MW-2 | 01/23/06 | | | | | 31.19 | - | - |
| MW-2 | 04/28/06 | | | | | 31.21 | - | - |
| MW-2 | 07/26/06 | | | | | 31.24 | - | - |
| MW-2 | 10/24/06 | | | | | 30.55 | - | - |
| MW-2 | 01/17/07 | | | | | 30.29 | - | - |
| MW-2 | 04/24/07 | | | | | 30.75 | - | - |
| MW-2 | 07/31/07 | | | | | 30.56 | - | - |
| MW-2 | 10/25/07 | | | | | 30.71 | - | - |
| MW-2 | 01/25/08 | | | | | 30.41 | - | - |
| MW-2 | 04/17/08 | <2 | <2 | <2 | <6 | 30.36 | - | - |
| MW-2 | 07/23/08 | | | | | 31.14 | - | - |
| MW-2 | 10/08/08 | | | | | 31.57 | - | - |
| MW-2 | 01/16/09 | | | | | 30.98 | - | - |
| MW-2 | 04/06/09 | <1 | <1 | <1 | <2 | 31.40 | - | - |
| MW-2 | 08/25/09 | | | | | 31.85 | - | - |
| MW-2 | 11/02/09 | | | | | 31.93 | - | - |
| MW-2 | 02/16/10 | | | | | 31.43 | - | - |
| MW-2 | 06/02/10 | <2 | <2 | <2 | <6 | 31.33 | - | - |
| MW-2 | 09/27/10 | | | | | 31.63 | - | - |
| MW-2 | 11/01/10 | | | | | 31.57 | - | - |
| MW-2 | 02/01/11 | | | | | 31.39 | - | - |
| MW-2 | 05/09/11 | <1 | <1 | <1 | <3 | 31.40 | - | - |
| MW-2 | 09/23/11 | | | | | 32.05 | - | - |
| MW-2 | 11/02/11 | | | | | 32.01 | - | - |
| MW-2 | 02/22/12 | | | | | 31.76 | - | - |
| MW-2 | 05/15/12 | <1 | <1 | <1 | <3 | 31.87 | - | - |
| MW-2 | 06/05/13 | <0.14 | <0.30 | <0.20 | <0.23 | 31.56 | - | - |
| MW-2 | 09/10/13 | <0.14 | <0.30 | <0.20 | <0.23 | 31.13 | - | - |
| MW-2 | 12/11/13 | <2.0 | <3.8 | <2.0 | <6.5 | 30.95 | - | - |
| MW-2 | 04/04/14 | <0.20 | <0.38 | <0.20 | <0.65 | 31.02 | - | - |
| MW-2 | 10/24/14 | <0.38 | <0.70 | <0.50 | <1.6 | 31.32 | - | - |

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | | | | |
|-------------------|----------|-------------------|-------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| 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.) |
| NMWQCC Standards: | | 10 | 750 | 750 | 620 | NA | NA | NA |
| MW-3 | 10/15/99 | <0.5 | 0.9 | <0.5 | 3.1 | 27.92 | - | - |
| MW-3 | 07/03/01 | <0.5 | <0.5 | <0.5 | <0.5 | 28.97 | - | - |
| MW-3 | 09/04/01 | | | | | 28.40 | - | - |
| MW-3 | 10/01/01 | | | | | 28.63 | - | - |
| MW-3 | 07/15/02 | | | | | 31.46 | - | - |
| MW-3 | 10/08/02 | | | | | 31.22 | - | - |
| MW-3 | 01/27/03 | | | | | 31.11 | - | - |
| MW-3 | 04/26/03 | | | | | 30.99 | - | - |
| MW-3 | 07/17/03 | | | | | 31.62 | - | - |
| MW-3 | 01/19/04 | | | | | 30.66 | - | - |
| MW-3 | 07/27/04 | | | | | 31.30 | - | - |
| MW-3 | 10/20/04 | | | | | 31.32 | - | - |
| MW-3 | 01/25/05 | | | | | 31.08 | - | - |
| MW-3 | 04/14/05 | | | | | 30.87 | - | - |
| MW-3 | 07/19/05 | | | | | 31.56 | - | - |
| MW-3 | 10/21/05 | | | | | 31.66 | - | - |
| MW-3 | 01/23/06 | | | | | 31.61 | - | - |
| MW-3 | 04/28/06 | | | | | 31.62 | - | - |
| MW-3 | 07/26/06 | | | | | 31.72 | - | - |
| MW-3 | 10/24/06 | | | | | 30.03 | - | - |
| MW-3 | 01/17/07 | | | | | 30.81 | - | - |
| MW-3 | 04/24/07 | | | | | 30.28 | - | - |
| MW-3 | 07/31/07 | | | | | 31.12 | - | - |
| MW-3 | 10/25/07 | | | | | 31.19 | - | - |
| MW-3 | 01/25/08 | | | | | 20.93 | - | - |
| MW-3 | 04/17/08 | <2 | <2 | <2 | <6 | 30.36 | - | - |
| MW-3 | 07/23/08 | | | | | 30.58 | - | - |
| MW-3 | 10/08/08 | | | | | 31.15 | - | - |
| MW-3 | 01/16/09 | | | | | 31.47 | - | - |
| MW-3 | 04/06/09 | <1 | <1 | <1 | <2 | 30.93 | - | - |
| MW-3 | 08/25/09 | | | | | 31.60 | - | - |
| MW-3 | 11/02/09 | | | | | 31.47 | - | - |
| MW-3 | 02/16/10 | | | | | 30.89 | - | - |
| MW-3 | 06/02/10 | <2 | <2 | <2 | <6 | 30.88 | - | - |
| MW-3 | 09/27/10 | | | | | 31.20 | - | - |
| MW-3 | 11/01/10 | | | | | 30.96 | - | - |
| MW-3 | 02/01/11 | | | | | 30.91 | - | - |
| MW-3 | 05/09/11 | | | | | 30.95 | - | - |
| MW-3 | 09/23/11 | | | | | 31.55 | - | - |
| MW-3 | 11/02/11 | | | | | 31.52 | - | - |
| MW-3 | 02/22/12 | | | | | 31.37 | - | - |
| MW-3 | 05/15/12 | | | | | 31.45 | - | - |
| MW-3 | 06/05/13 | <0.14 | <0.30 | <0.20 | <0.23 | 31.15 | - | - |
| MW-3 | 09/10/13 | <0.14 | <0.30 | <0.20 | <0.23 | 30.58 | - | - |
| MW-3 | 12/11/13 | <0.20 | <0.38 | <0.20 | <0.65 | 30.43 | - | - |
| MW-3 | 04/04/14 | <0.20 | <0.38 | <0.20 | <0.65 | 30.51 | - | - |
| MW-3 | 10/24/14 | <0.38 | <0.70 | <0.50 | <1.6 | 30.82 | - | - |

Notes:

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

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

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

FIGURES

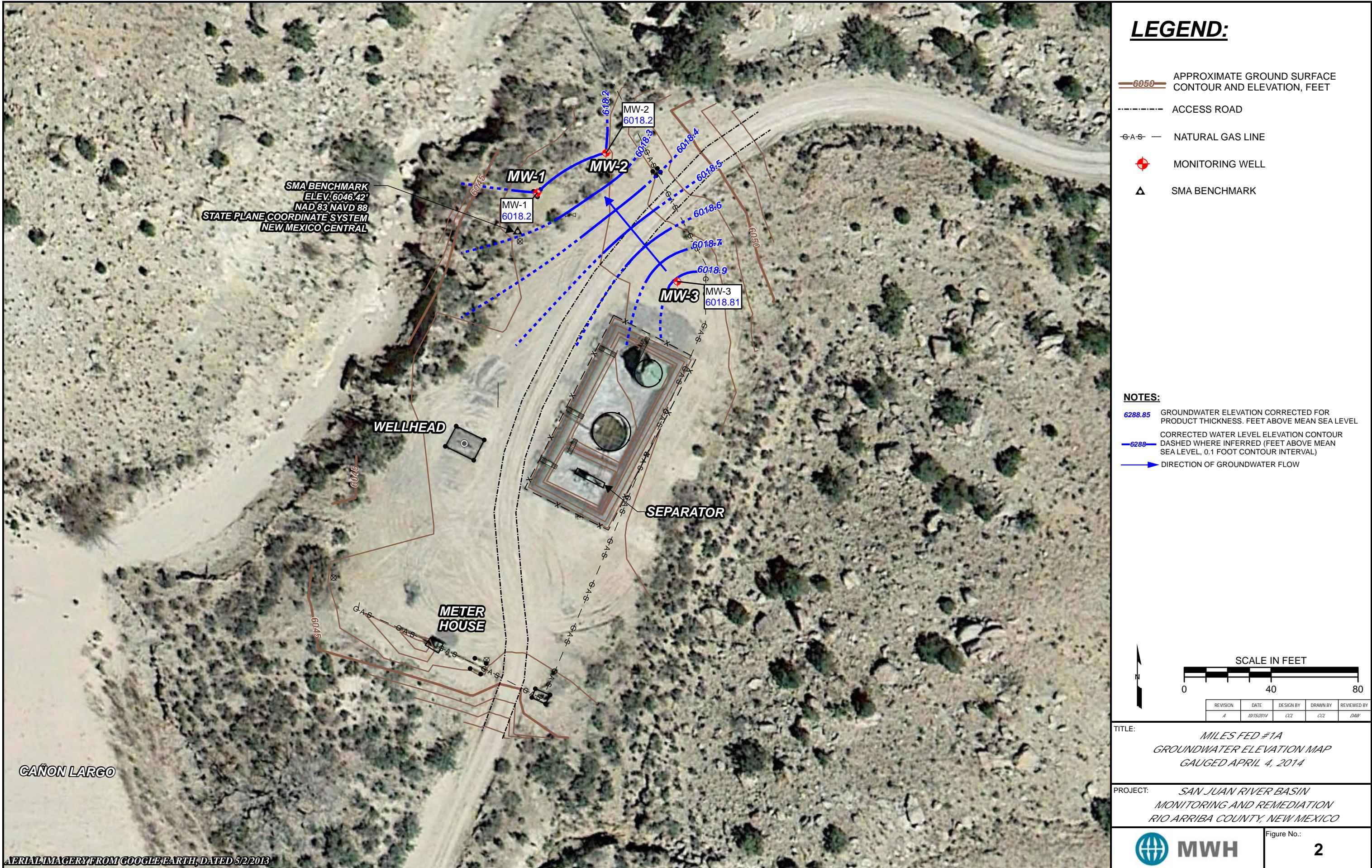
FIGURE 1: APRIL 4, 2014 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 2: APRIL 4, 2014 GROUNDWATER ELEVATION MAP

FIGURE 3: OCTOBER 24, 2014 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 4: OCTOBER 24, 2014 GROUNDWATER ELEVATION MAP









APPENDIX A

APRIL 4, 2014 GROUNDWATER SAMPLING ANALYTICAL REPORT
OCTOBER 24, 2014 GROUNDWATER SAMPLING ANALYTICAL REPORT

TestAmerica

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: 560-46611-1

Client Project/Site: Miles Federal, 4/4/14 BTEX

For:

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

Attn: Ms. Sarah Gardner



Authorized for release by:

4/21/2014 4:54:25 PM

Neal Salcher, Senior Project Manager

neal.salcher@testamericainc.com

LINKS

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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: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

Glossary

| 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 |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| 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: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

Job ID: 560-46611-1

Laboratory: TestAmerica Corpus Christi

Narrative

Job Narrative
560-46611-1

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 1.9° C.

GC VOA

Method(s) 8021B: Archon instrument failure, MS/MSD in back of run and did not get run

8021

Batch 100860

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.

Detection Summary

Client: MWH Americas Inc
Project/Site: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

Client Sample ID: MW-1

Lab Sample ID: 560-46611-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Benzene | 81 | | 8.0 | 0.80 | ug/L | 4 | | 8021B | Total/NA |
| Toluene | 130 | | 8.0 | 1.5 | ug/L | 4 | | 8021B | Total/NA |
| Ethylbenzene | 120 | | 8.0 | 0.80 | ug/L | 4 | | 8021B | Total/NA |
| Xylenes, Total | 800 | | 8.0 | 2.6 | ug/L | 4 | | 8021B | Total/NA |

Client Sample ID: MW-2

Lab Sample ID: 560-46611-2

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 560-46611-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
 Project/Site: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

Client Sample ID: MW-1

Date Collected: 04/04/14 13:40
 Date Received: 04/08/14 09:45

Lab Sample ID: 560-46611-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|-----|---------------|------|---|-----------------|-----------------|----------------|
| Benzene | 81 | | 8.0 | 0.80 | ug/L | | | 04/15/14 21:09 | 4 |
| Toluene | 130 | | 8.0 | 1.5 | ug/L | | | 04/15/14 21:09 | 4 |
| Ethylbenzene | 120 | | 8.0 | 0.80 | ug/L | | | 04/15/14 21:09 | 4 |
| Xylenes, Total | 800 | | 8.0 | 2.6 | ug/L | | | 04/15/14 21:09 | 4 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109 | | | 58 - 129 | | | | 04/15/14 21:09 | 4 |
| Trifluorotoluene (Surr) | 103 | | | 54 - 130 | | | | 04/15/14 21:09 | 4 |

Client Sample ID: MW-2

Date Collected: 04/04/14 13:35
 Date Received: 04/08/14 09:45

Lab Sample ID: 560-46611-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|-----|---------------|------|---|-----------------|-----------------|----------------|
| Benzene | <0.20 | | 2.0 | 0.20 | ug/L | | | 04/15/14 21:37 | 1 |
| Toluene | <0.38 | | 2.0 | 0.38 | ug/L | | | 04/15/14 21:37 | 1 |
| Ethylbenzene | <0.20 | | 2.0 | 0.20 | ug/L | | | 04/15/14 21:37 | 1 |
| Xylenes, Total | <0.65 | | 2.0 | 0.65 | ug/L | | | 04/15/14 21:37 | 1 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 97 | | | 58 - 129 | | | | 04/15/14 21:37 | 1 |
| Trifluorotoluene (Surr) | 94 | | | 54 - 130 | | | | 04/15/14 21:37 | 1 |

Client Sample ID: MW-3

Date Collected: 04/04/14 13:30
 Date Received: 04/08/14 09:45

Lab Sample ID: 560-46611-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------------|-----|---------------|------|---|-----------------|-----------------|----------------|
| Benzene | <0.20 | | 2.0 | 0.20 | ug/L | | | 04/16/14 17:18 | 1 |
| Toluene | <0.38 | | 2.0 | 0.38 | ug/L | | | 04/16/14 17:18 | 1 |
| Ethylbenzene | <0.20 | | 2.0 | 0.20 | ug/L | | | 04/16/14 17:18 | 1 |
| Xylenes, Total | <0.65 | | 2.0 | 0.65 | ug/L | | | 04/16/14 17:18 | 1 |
| Surrogate | %Recovery | Qualifier | | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99 | | | 58 - 129 | | | | 04/16/14 17:18 | 1 |
| Trifluorotoluene (Surr) | 87 | | | 54 - 130 | | | | 04/16/14 17:18 | 1 |

QC Sample Results

Client: MWH Americas Inc

Project/Site: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 560-100860/3

Matrix: Water

Analysis Batch: 100860

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Benzene | <0.20 | | 2.0 | 0.20 | ug/L | | | 04/15/14 16:59 | 1 |
| Toluene | <0.38 | | 2.0 | 0.38 | ug/L | | | 04/15/14 16:59 | 1 |
| Ethylbenzene | <0.20 | | 2.0 | 0.20 | ug/L | | | 04/15/14 16:59 | 1 |
| Xylenes, Total | <0.65 | | 2.0 | 0.65 | ug/L | | | 04/15/14 16:59 | 1 |
| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac | | | |
| | %Recovery | Qualifier | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 94 | | 58 - 129 | | 04/15/14 16:59 | 1 | | | |
| Trifluorotoluene (Surr) | 96 | | 54 - 130 | | 04/15/14 16:59 | 1 | | | |

Lab Sample ID: LCS 560-100860/2

Matrix: Water

Analysis Batch: 100860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | MB | MB | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-----------|-----------|----------------|---------------|------------------|---------|---|------|-----------------|
| | Result | Qualifier | | | | | | | |
| Benzene | | | 40.0 | 41.2 | | ug/L | | 103 | 70 - 130 |
| Toluene | | | 40.0 | 42.9 | | ug/L | | 107 | 70 - 130 |
| Ethylbenzene | | | 40.0 | 41.9 | | ug/L | | 105 | 70 - 130 |
| Xylenes, Total | | | 120 | 120 | | ug/L | | 100 | 70 - 130 |
| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac | | | |
| | %Recovery | Qualifier | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 110 | | 58 - 129 | | 04/15/14 16:59 | 1 | | | |
| Trifluorotoluene (Surr) | 107 | | 54 - 130 | | 04/15/14 16:59 | 1 | | | |

Lab Sample ID: MB 560-100888/3

Matrix: Water

Analysis Batch: 100888

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| 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 |
| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac | | | |
| | %Recovery | Qualifier | | | | | | | |
| 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

| Analyte | MB | MB | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|--------|-----------|----------------|---------------|------------------|------|---|------|-----------------|
| | Result | Qualifier | | | | | | | |
| 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

QC Sample Results

Client: MWH Americas Inc

Project/Site: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

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

Lab Sample ID: LCS 560-100888/2

Matrix: Water

Analysis Batch: 100888

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

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Certification Summary

Client: MWH Americas Inc

Project/Site: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

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 |

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Method Summary

Client: MWH Americas Inc

Project/Site: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

| 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: Miles Federal, 4/4/14 BTEX

TestAmerica Job ID: 560-46611-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 560-46611-1 | MW-1 | Water | 04/04/14 13:40 | 04/08/14 09:45 |
| 560-46611-2 | MW-2 | Water | 04/04/14 13:35 | 04/08/14 09:45 |
| 560-46611-3 | MW-3 | Water | 04/04/14 13:30 | 04/08/14 09:45 |

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TestAmerica Corpus Christi

TestAmerica Corpus Christi

1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone (361) 289-2673 Fax (361) 289-2471

Chain of Custody Record

| Client Information | | | Sampler Phone: Email: | Chris Lee 303 2112239 | Lab P.M. E-Mail: tmm.kellogg@testamericainc.com | Kellogg, Timothy L. | Carrier Tracking No(s): 46611 | COC No: 560-131-31-1157 | | | | | | | | | | |
|--|--|---|--|---|--|---------------------------------------|--|---|---|---|--------------------------------------|--------|--|----------------------------|-------|----------|-------|--------|
| Client Contact: | Mc-Bartenderate Sarah Gardner | Company: MWH Americas Inc | Address: 1801 California Street, Suite 2900 City: Denver State, Zip: CO, 80202 Phone: 713-544-4551 Email: Sarah.gardner@us.mwhglobal.com Daniel.A.Wade@us.mwhglobal.com Project Name: San Juan River Basin Pit Sites Site: Miles Federal | TAT Requested (days): PO #: Purchase Order not required VO #: TWO # C-STL1- Project #: 56000058 SSOW#: | Due Date Requested: TAT Requested (days): PO #: Purchase Order not required VO #: TWO # C-STL1- Project #: 56000058 SSOW#: | Sample Date Time: | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste oil, B=tissue, A=air) | Preservation Code: | Perfomed Sample (Yes or No): 8260B - BTEx | Total Number of containers | Pres. | A-HC B-Na C-Zn D-Nitric E-NaHSO4 F-MeOH G-Amchlor H-Ascorbic Acid I-Ice J-Di Water K-EDTA L-EDA Other: | Special Instructions/Note: | Page: | Loc: 560 | Page: | Job #: |
| MW-1 | 4/14/14 1:340 | | Water | X | | X | X | A | | 3 | | | | | | | | |
| MW-2 | 4/14/14 1:335 | | Water | X | | X | X | | | 3 | | | | | | | | |
| MW-3 | 4/14/14 1:330 | | Water | X | | X | | | | 3 | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| | | | Water | | | | | | | | | | | | | | | |
| Possible Hazard Identification | <input checked="" type="checkbox"/> Non-Hazard | <input type="checkbox"/> Flammable | <input type="checkbox"/> Skin Irritant | <input type="checkbox"/> Poison B | <input type="checkbox"/> Unknown | <input type="checkbox"/> Radiological | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | <input type="checkbox"/> Return To Client | <input checked="" type="checkbox"/> Disposal By Lab | <input type="checkbox"/> Archive For | Months | | | | | | |
| Deliverable Requested: I, II, III, IV. Other (specify) | | | | | | | | | | | | | | | | | | |
| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: | | Date/Time: | | Date/Time: | | Date/Time: | | Date/Time: | | | | | | | |
| Sarah Gardner | 4/14/14 | 9:00 | mwh | | 4/13/14 8:45 | | 4/13/14 8:45 | | 4/13/14 8:45 | | 4/13/14 8:45 | | | | | | | |
| Relinquished by: Sarah Gardner | Relinquished by: | Relinquished by: | Received by: | Received by: | Received by: | Received by: | Received by: | Received by: | Received by: | Received by: | Received by: | | | | | | | |
| Custody Seals intact: △ Yes ▲ No | Custody Seal No: | Cooler Temperature(s) °C and Other Remarks: 46611 Chain of Custody | | | | | | | | | | | | | | | | |

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 560-46611-1

SDG Number:

Login Number: 46611

List Source: TestAmerica Corpus Christi

List Number: 1

Creator: Rood, Vivian R

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | 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 | |

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-97695-1

Client Project/Site: KM Miles Fed #1A

For:

MWH Americas Inc

1801 California Street

Suite 2900

Denver, Colorado 80202

Attn: Ms. Sarah Gardner

A handwritten signature in black ink, appearing to read "Bernard Kirkland".

Authorized for release by:

11/6/2014 1:54:20 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

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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.

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Definitions/Glossary

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. | 1 |
|----------------|---|----|
| □ | Listed under the "D" column to designate that the result is reported on a dry weight basis | 2 |
| %R | Percent Recovery | 3 |
| CFL | Contains Free Liquid | 4 |
| CNF | Contains no Free Liquid | 5 |
| DER | Duplicate error ratio (normalized absolute difference) | 6 |
| Dil Fac | Dilution Factor | 7 |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | 8 |
| DLC | Decision level concentration | 9 |
| MDA | Minimum detectable activity | 10 |
| EDL | Estimated Detection Limit | |
| MDC | Minimum detectable concentration | |
| MDL | Method Detection Limit | |
| ML | Minimum Level (Dioxin) | |
| NC | Not Calculated | |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) | |
| 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 Miles Fed #1A

TestAmerica Job ID: 400-97695-1

Job ID: 400-97695-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-97695-1

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 5.8° 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.

Sample Summary

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 400-97695-1 | MW-1 | Water | 10/24/14 12:10 | 10/28/14 09:39 |
| 400-97695-2 | MW-2 | Water | 10/24/14 12:05 | 10/28/14 09:39 |
| 400-97695-3 | MW-3 | Water | 10/24/14 12:00 | 10/28/14 09:39 |
| 400-97695-4 | TRIP BLANK | Water | 10/24/14 12:20 | 10/28/14 09:39 |

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TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

Client Sample ID: MW-1

Date Collected: 10/24/14 12:10
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-1

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|------------------|------------------|---------------|------|------|---|-----------------|-----------------|----------------|
| Benzene | 73 | | 1.0 | 0.38 | ug/L | | | 11/01/14 18:28 | 1 |
| Ethylbenzene | 95 | | 1.0 | 0.50 | ug/L | | | 11/01/14 18:28 | 1 |
| Toluene | 32 | | 1.0 | 0.70 | ug/L | | | 11/01/14 18:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 109 | | 78 - 118 | | | | | 11/01/14 18:28 | 1 |
| Dibromofluoromethane | 106 | | 81 - 121 | | | | | 11/01/14 18:28 | 1 |
| Toluene-d8 (Surr) | 97 | | 80 - 120 | | | | | 11/01/14 18:28 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Xylenes, Total | 1300 | | 50 | 8.0 | ug/L | | | 11/02/14 20:23 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 98 | | 78 - 118 | | | | | 11/02/14 20:23 | 5 |
| Dibromofluoromethane | 103 | | 81 - 121 | | | | | 11/02/14 20:23 | 5 |
| Toluene-d8 (Surr) | 93 | | 80 - 120 | | | | | 11/02/14 20:23 | 5 |

Client Sample ID: MW-2

Date Collected: 10/24/14 12:05
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-2

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|------------------|------------------|---------------|------|------|---|-----------------|-----------------|----------------|
| Benzene | <0.38 | | 1.0 | 0.38 | ug/L | | | 11/01/14 18:53 | 1 |
| Ethylbenzene | <0.50 | | 1.0 | 0.50 | ug/L | | | 11/01/14 18:53 | 1 |
| Toluene | <0.70 | | 1.0 | 0.70 | ug/L | | | 11/01/14 18:53 | 1 |
| Xylenes, Total | <1.6 | | 10 | 1.6 | ug/L | | | 11/01/14 18:53 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | | | | 11/01/14 18:53 | 1 |
| Dibromofluoromethane | 109 | | 81 - 121 | | | | | 11/01/14 18:53 | 1 |
| Toluene-d8 (Surr) | 90 | | 80 - 120 | | | | | 11/01/14 18:53 | 1 |

Client Sample ID: MW-3

Date Collected: 10/24/14 12:00
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-3

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|------------------|------------------|---------------|------|------|---|-----------------|-----------------|----------------|
| Benzene | <0.38 | | 1.0 | 0.38 | ug/L | | | 11/01/14 19:18 | 1 |
| Ethylbenzene | <0.50 | | 1.0 | 0.50 | ug/L | | | 11/01/14 19:18 | 1 |
| Toluene | <0.70 | | 1.0 | 0.70 | ug/L | | | 11/01/14 19:18 | 1 |
| Xylenes, Total | <1.6 | | 10 | 1.6 | ug/L | | | 11/01/14 19:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | | 11/01/14 19:18 | 1 |
| Dibromofluoromethane | 108 | | 81 - 121 | | | | | 11/01/14 19:18 | 1 |
| Toluene-d8 (Surr) | 89 | | 80 - 120 | | | | | 11/01/14 19:18 | 1 |

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

Client Sample ID: TRIP BLANK
Date Collected: 10/24/14 12:20
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-4
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Benzene | <0.38 | | 1.0 | 0.38 | ug/L | | | 11/01/14 19:42 | 1 |
| Ethylbenzene | <0.50 | | 1.0 | 0.50 | ug/L | | | 11/01/14 19:42 | 1 |
| Toluene | <0.70 | | 1.0 | 0.70 | ug/L | | | 11/01/14 19:42 | 1 |
| Xylenes, Total | <1.6 | | 10 | 1.6 | ug/L | | | 11/01/14 19:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | 11/01/14 19:42 | 1 |
| Dibromofluoromethane | 108 | | 81 - 121 | | 11/01/14 19:42 | 1 |
| Toluene-d8 (Surr) | 89 | | 80 - 120 | | 11/01/14 19:42 | 1 |

QC Sample Results

Client: MWH Americas Inc
 Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

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

Lab Sample ID: MB 400-235149/4

Matrix: Water

Analysis Batch: 235149

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Benzene | <0.38 | | 1.0 | 0.38 | ug/L | | | 11/01/14 11:00 | 1 |
| Ethylbenzene | <0.50 | | 1.0 | 0.50 | ug/L | | | 11/01/14 11:00 | 1 |
| Toluene | <0.70 | | 1.0 | 0.70 | ug/L | | | 11/01/14 11:00 | 1 |
| Xylenes, Total | <1.6 | | 10 | 1.6 | ug/L | | | 11/01/14 11:00 | 1 |

Surrogate MB MB %Recovery Qualifier Limits

| Surrogate | MB | MB | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----|----|-----------|-----------|--------|----------|----------------|---------|
| | | | | | | | | |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | | | 11/01/14 11:00 | 1 |
| Dibromofluoromethane | 102 | | 81 - 121 | | | | 11/01/14 11:00 | 1 |
| Toluene-d8 (Surr) | 94 | | 80 - 120 | | | | 11/01/14 11:00 | 1 |

Lab Sample ID: LCS 400-235149/1002

Matrix: Water

Analysis Batch: 235149

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

| Analyte | Spike | | LCS | LCS | Unit | D | %Rec | Limits |
|----------------|-------|--------|-----------|------|------|-----|----------|--------|
| | Added | Result | Qualifier | Unit | | | | |
| Benzene | 50.0 | 58.9 | | ug/L | | 118 | 79 - 120 | |
| Ethylbenzene | 50.0 | 52.1 | | ug/L | | 104 | 80 - 120 | |
| Toluene | 50.0 | 50.3 | | ug/L | | 101 | 80 - 120 | |
| Xylenes, Total | 100 | 105 | | ug/L | | 105 | 70 - 130 | |

Surrogate LCS LCS %Recovery Qualifier Limits

| Surrogate | LC | CS | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----|----|-----------|-----------|--------|----------|----------------|---------|
| | CS | LC | | | | | | |
| 4-Bromofluorobenzene | 91 | | 78 - 118 | | | | 11/01/14 11:00 | 1 |
| Dibromofluoromethane | 106 | | 81 - 121 | | | | 11/01/14 11:00 | 1 |
| Toluene-d8 (Surr) | 93 | | 80 - 120 | | | | 11/01/14 11:00 | 1 |

Lab Sample ID: MB 400-235169/4

Matrix: Water

Analysis Batch: 235169

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB | MB | Result | Qualifier | Unit | D | %Rec | Limits |
|----------------|--------|-----------|--------|-----------|------|---|----------------|--------|
| | Result | Qualifier | | | | | | |
| Xylenes, Total | <1.6 | | 10 | 1.6 | ug/L | | 11/02/14 12:03 | 1 |

Surrogate LCS LCS %Recovery Qualifier Limits

| Surrogate | LC | CS | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----|----|-----------|-----------|--------|----------|----------------|---------|
| | CS | LC | | | | | | |
| 4-Bromofluorobenzene | 93 | | 78 - 118 | | | | 11/02/14 12:03 | 1 |
| Dibromofluoromethane | 107 | | 81 - 121 | | | | 11/02/14 12:03 | 1 |
| Toluene-d8 (Surr) | 89 | | 80 - 120 | | | | 11/02/14 12:03 | 1 |

Lab Sample ID: LCS 400-235169/1006

Matrix: Water

Analysis Batch: 235169

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

| Analyte | Spike | | LCS | LCS | Unit | D | %Rec | Limits |
|----------------|-------|--------|-----------|------|------|----|----------|--------|
| | Added | Result | Qualifier | Unit | | | | |
| Xylenes, Total | 100 | 98.3 | | ug/L | | 98 | 70 - 130 | |

Surrogate LCS LCS %Recovery Qualifier Limits

| Surrogate | LC | CS | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------|-----|----|-----------|-----------|--------|----------|----------------|---------|
| | CS | LC | | | | | | |
| 4-Bromofluorobenzene | 92 | | 78 - 118 | | | | 11/02/14 12:03 | 1 |
| Dibromofluoromethane | 109 | | 81 - 121 | | | | 11/02/14 12:03 | 1 |

TestAmerica Pensacola

QC Sample Results

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

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

Lab Sample ID: LCS 400-235169/1006

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

Matrix: Water

Analysis Batch: 235169

| Surrogate | LCS | LCS | |
|------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | Limits |
| Toluene-d8 (Surrogate) | 91 | | 80 - 120 |

Lab Chronicle

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

Client Sample ID: MW-1

Date Collected: 10/24/14 12:10
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 235149 | 11/01/14 18:28 | CLN | TAL PEN |
| Total/NA | Analysis | 8260B | DL | 5 | 235169 | 11/02/14 20:23 | CLN | TAL PEN |

Client Sample ID: MW-2

Date Collected: 10/24/14 12:05
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 235149 | 11/01/14 18:53 | CLN | TAL PEN |

Client Sample ID: MW-3

Date Collected: 10/24/14 12:00
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 235149 | 11/01/14 19:18 | CLN | TAL PEN |

Client Sample ID: TRIP BLANK

Date Collected: 10/24/14 12:20
Date Received: 10/28/14 09:39

Lab Sample ID: 400-97695-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 235149 | 11/01/14 19:42 | CLN | TAL PEN |

Laboratory References:

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

TestAmerica Pensacola

Method Summary

Client: MWH Americas Inc
Project/Site: KM Miles Fed #1A

TestAmerica Job ID: 400-97695-1

| 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

TestAmerica Corpus Christi

1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone (361) 289-2673 Fax (361) 289-2471

Chain of Custody Record

Client Information

| Client Information Client Contact: Ms. Sarah Gardner Company: MWH Americas Inc Address: 1801 California Street, Suite 2600 City: Denver State, Zip: CO, 80202 Phone: 303-291-2239(Tel) Email: sarah.gardner@mwhglobal.com Project Name: Miles Fed #IA Site: SSOW#: | | Sampler: Chris Lee, Sarah Gardner Phone: 303 291-2242 Company: MWH Americas Inc | Lab PM: Salcher, Neal E-Mail: neal.salcher@testamericainc.com | Carrier Tracking No(s): 560-15434-1546.1 Page: Page 1 of 1 Job #: COC Total Number of Containers: 400-97695 COC Special Instructions/Note:  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|--|--|--|-----------------------|-------------|-------------|-------------|--------|--------------------|-------------|-----------------|--------------|----------|--------------|----------|-------------|-----------------|--------------|----------|--------------|----------|-------------|-----------------|--------------|----------|--------------|----------|-------------------|-----------------|--------------|----------|--------------|----------|
| Analysis Requested | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; align-items: center; justify-content: space-between;"> Due Date Requested: TAT Requested (days): Purchase Order Requested PO#: MSD (yes or No) </div> <div style="display: flex; align-items: center; justify-content: space-between; margin-top: 10px;"> WO#: As per Envos Project#: 56004989 </div> <div style="display: flex; align-items: center; justify-content: space-between; margin-top: 10px;"> SSOW#: Petroform MS/MSD (yes or No) </div> <div style="display: flex; align-items: center; justify-content: space-between; margin-top: 10px;"> Site: Field Filled Sample (yes or No) </div> <div style="display: flex; align-items: center; justify-content: space-between; margin-top: 10px;"> Sample Identification Sample Date Sample Time Sample Type Matrix </div> <div style="display: flex; align-items: center; justify-content: space-between; margin-top: 10px;"> (C=comp, G=grab) (W=water, S=solid, O=oil/waste oil, T=tissue, A=air) (BTEX) (A) </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sample Identification</th> <th style="width: 10%;">Sample Date</th> <th style="width: 10%;">Sample Time</th> <th style="width: 10%;">Sample Type</th> <th style="width: 10%;">Matrix</th> <th style="width: 10%;">Preservation Code:</th> </tr> </thead> <tbody> <tr> <td><i>MW-1</i></td><td><i>10/24/14</i></td><td><i>12:00</i></td><td><i>G</i></td><td><i>Water</i></td><td><i>X</i></td></tr> <tr> <td><i>MW-2</i></td><td><i>10/24/14</i></td><td><i>12:05</i></td><td><i>G</i></td><td><i>Water</i></td><td><i>X</i></td></tr> <tr> <td><i>MW-3</i></td><td><i>10/24/14</i></td><td><i>12:00</i></td><td><i>G</i></td><td><i>Water</i></td><td><i>X</i></td></tr> <tr> <td><i>TRIP BLANK</i></td><td><i>10/24/14</i></td><td><i>12:20</i></td><td><i>G</i></td><td><i>Water</i></td><td><i>X</i></td></tr> </tbody> </table> | | | | | Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | Preservation Code: | <i>MW-1</i> | <i>10/24/14</i> | <i>12:00</i> | <i>G</i> | <i>Water</i> | <i>X</i> | <i>MW-2</i> | <i>10/24/14</i> | <i>12:05</i> | <i>G</i> | <i>Water</i> | <i>X</i> | <i>MW-3</i> | <i>10/24/14</i> | <i>12:00</i> | <i>G</i> | <i>Water</i> | <i>X</i> | <i>TRIP BLANK</i> | <i>10/24/14</i> | <i>12:20</i> | <i>G</i> | <i>Water</i> | <i>X</i> |
| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | Preservation Code: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-1</i> | <i>10/24/14</i> | <i>12:00</i> | <i>G</i> | <i>Water</i> | <i>X</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-2</i> | <i>10/24/14</i> | <i>12:05</i> | <i>G</i> | <i>Water</i> | <i>X</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>MW-3</i> | <i>10/24/14</i> | <i>12:00</i> | <i>G</i> | <i>Water</i> | <i>X</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>TRIP BLANK</i> | <i>10/24/14</i> | <i>12:20</i> | <i>G</i> | <i>Water</i> | <i>X</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Empty Kit Relinquished By: Sarah Gardner Relinquished by: | | Date/Time: 10/27/14 9:15 Company: | Date/Time: 10/27/14 9:31 Received by: | Method of Shipment: Company Date/Time: Company | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Seals Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Cooler Temperature(s) °C and Other Remarks: 58°C - 78°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: JULY 031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: Sarah Gardner Relinquished by: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Page 12 of 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11/6/2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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