

2016 ANNUAL GROUNDWATER REPORT

**Miles Federal #1A
NMOCD CASE#: 3RP-223-0
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

Environmental Remediation activities at the Miles Federal #1A (Site) are 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 (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 2016. Monitoring wells were installed in 1994 (MW-1) and 1999 (MW-2 and MW-3). A temporary piezometer was installed in 1997 (PZ-1). Soil borings were advanced in 2016 (DP-1 and DP-2). Historically, free product recovery has been periodically encountered and recovered at the Site, but has not been observed since 2010. Currently, groundwater sampling is conducted on a semi-annual basis.

SOIL SAMPLING ACTIVITIES

In April 2016, soil boring locations were staked for permitting and utility locating purposes. Soil borings were advanced in accordance with the 2016 Soil Assessment Work Plan, submitted on May 4, 2016 (Work Plan)

Two soil borings (DP-1 and DP-2) were advanced in May 2016, to evaluate soil impacts in and near the former pit. Soil boring DP-1 was completed near MW-1 to evaluate remaining soil impacts in the vicinity of the former pit. DP-2 was completed to the southeast of the pit. Locations were measured in and converted to state plane coordinates. Pertinent site features and soil boring locations are shown in Figures 1-5. Boring logs are included as Appendix A.

During advancement of the soil borings, completed in May 2016, the soil sample interval exhibiting the highest photoionization detector (PID) reading was collected and placed in a 4-ounce jar for laboratory analysis. Additional soil samples were retained from SB-1 to quantify petroleum hydrocarbon concentrations at additional intervals. Sample jars were stored in an ice-filled cooler and shipped under standard chain of custody to TestAmerica Laboratories, Inc. in Pensacola, Florida. Soil samples were analyzed for the presence of

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benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to United States Environmental Protection Agency (EPA) Method SW846 8021B, total petroleum hydrocarbons (TPH) using EPA Method 8015B-gasoline-range organics (GRO), diesel-range organics (DRO), and mineral oil range organics (MRO), and chlorides according to EPA Method 300. The soil analytical report is provided in Appendix B.

Two 5 gallon buckets of soil were generated from advancing DP-1 and DP-2. The soil was transported and combined with soil cuttings from drilling activities at the Lindrith B#24 Site. The drum was staged on Site for later disposal at Envirotech, Inc. (Envirotech), located south of Bloomfield, New Mexico. On May 25, 2016 Sierra Oilfield Services, Inc. removed 1 drum of soil cuttings from the Lindrith B#24 Site and delivered it to Envirotech. Disposal documentation is contained in Appendix C.

GROUNDWATER SAMPLING ACTIVITIES

On May 31 and October 15, 2016, water levels were gauged at MW-1, MW-2, and MW-3. Groundwater samples were collected from each well using HydraSleeve™ (HydraSleeve) no-purge 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 Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). Additional field parameters are collected from the excess sample water recovered by the HydraSleeve. Excess sample water is poured into a YSI multi-parameter instrument sample cup and analyzed. Field parameters include dissolved oxygen, temperature, conductivity, pH, and oxidation reduction potential. Field parameters are not collected if free product is present. The unused sample water is 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 and Table 2, respectively. Soil analytical results are summarized in Table 3.

SITE MAPS

Groundwater analytical maps (Figures 1 and 3) and groundwater elevation contour maps (Figures 2 and 4) summarize results of the 2016 groundwater sampling and gauging events. The soil analytical results are depicted on Figure 5.

ANALYTICAL LAB REPORTS

The soil and groundwater analytical lab reports are included as Appendices B and D,

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respectively.

GROUNDWATER RESULTS

- The groundwater flow direction is generally to the north and northwest at the Site (see Figures 2 and 4).
- The groundwater samples collected in 2016 from MW-1 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [$\mu\text{g}/\text{L}$]) for benzene in groundwater. Concentrations of benzene in monitoring wells MW-2 and MW-3 were not detected.
- Concentrations of toluene were either below the NMWQCC standard (750 $\mu\text{g}/\text{L}$) or not detected in the Site monitoring wells sampled in 2016.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 $\mu\text{g}/\text{L}$) or not detected in the Site monitoring wells sampled in 2016.
- The groundwater samples collected in 2016 from MW-1 exceeded the NMWQCC standard (600 $\mu\text{g}/\text{L}$) for total xylenes in groundwater. Concentrations of total xylenes in monitoring wells MW-2 and MW-3 were not detected.

SOIL RESULTS

- Soil samples were collected from soil borings DP-1 and DP-2. For benzene, the soil sample results were non-detect with exception of DP-1(27-28') (0.23 milligrams per kilogram [mg/kg]). Total BTEX concentrations were below the applicable limit in the NMOCD 2013 Pit Rule Guidance (50 mg/kg) for the soil samples collected from DP-1 and DP-2.
- Total petroleum hydrocarbons (TPH) ranged from non-detect to 513 mg/kg in DP-1(27-28'). TPH concentrations exceeded the 2013 Pit Rule Guidance (100 mg/kg) at DP-1.

Chloride ranged from 100 mg/kg (DP-2) to 640 mg/kg (DP-1(27-28')). The soil sample from DP-1(27-28') exceeded the applicable NMOCD standard (600 mg/kg).

PLANNED FUTURE ACTIVITIES

Groundwater monitoring events will be conducted on a semi-annual basis. For any additional site activates, a Work Plan will be submitted to the NMOCD. The 2017 Annual Report will be submitted in early 2018.

TABLES

TABLE 1 – GROUNDWATER ANALYTICAL RESULTS

TABLE 2 – GROUNDWATER ELEVATION RESULTS

TABLE 3 – SOIL ANALYTICAL RESULTS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | |
|-------------------|----------|-------------------|-------------------|------------------------|-------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
| NMWQCC Standards: | | 10 | 750 | 750 | 620 |
| MW-1 | 11/05/96 | 1050 | 1630 | 391 | 2620 |
| MW-1 | 02/07/97 | 671 | 809 | 439 | 2550 |
| MW-1 | 05/06/97 | 300 | 350 | 320 | 1880 |
| MW-1 | 04/11/01 | NS | NS | NS | NS |
| MW-1 | 07/03/01 | NS | NS | NS | NS |
| MW-1 | 09/04/01 | NS | NS | NS | NS |
| MW-1 | 10/01/01 | NS | NS | NS | NS |
| MW-1 | 01/02/02 | NS | NS | NS | NS |
| MW-1 | 04/01/02 | NS | NS | NS | NS |
| MW-1 | 07/15/02 | NS | NS | NS | NS |
| MW-1 | 10/08/02 | NS | NS | NS | NS |
| MW-1 | 01/27/03 | NS | NS | NS | NS |
| MW-1 | 04/26/03 | NS | NS | NS | NS |
| MW-1 | 07/17/03 | NS | NS | NS | NS |
| MW-1 | 01/19/04 | NS | NS | NS | NS |
| MW-1 | 07/27/04 | NS | NS | NS | NS |
| MW-1 | 10/20/04 | NS | NS | NS | NS |
| MW-1 | 01/25/05 | NS | NS | NS | NS |
| MW-1 | 04/14/05 | NS | NS | NS | NS |
| MW-1 | 07/19/05 | NS | NS | NS | NS |
| MW-1 | 10/21/05 | NS | NS | NS | NS |
| MW-1 | 01/23/06 | NS | NS | NS | NS |
| MW-1 | 04/28/06 | NS | NS | NS | NS |
| MW-1 | 07/26/06 | NS | NS | NS | NS |
| MW-1 | 10/24/06 | NS | NS | NS | NS |
| MW-1 | 01/17/07 | NS | NS | NS | NS |
| MW-1 | 04/24/07 | NS | NS | NS | NS |
| MW-1 | 07/31/07 | NS | NS | NS | NS |

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | |
|--------------|----------|-------------------|-------------------|------------------------|-------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
| MW-1 | 10/25/07 | NS | NS | NS | NS |
| MW-1 | 01/25/08 | NS | NS | NS | NS |
| MW-1 | 04/17/08 | 122 | 203 | 369 | 2550 |
| MW-1 | 07/23/08 | NS | NS | NS | NS |
| MW-1 | 10/08/08 | NS | NS | NS | NS |
| MW-1 | 01/16/09 | NS | NS | NS | NS |
| MW-1 | 04/06/09 | 104 | 199 | 596 | 1840 |
| MW-1 | 08/25/09 | NS | NS | NS | NS |
| MW-1 | 11/02/09 | NS | NS | NS | NS |
| MW-1 | 02/16/10 | NS | NS | NS | NS |
| MW-1 | 06/02/10 | 186 | 266 | 370 | 2320 |
| MW-1 | 09/27/10 | NS | NS | NS | NS |
| MW-1 | 11/01/10 | NS | NS | NS | NS |
| MW-1 | 02/01/11 | NS | NS | NS | NS |
| MW-1 | 05/09/11 | 14.6 | 19.3 | 86.9 | 236 |
| MW-1 | 09/23/11 | NS | NS | NS | NS |
| MW-1 | 11/02/11 | NS | NS | NS | NS |
| MW-1 | 02/22/12 | NS | NS | NS | NS |
| MW-1 | 05/15/12 | 60.9 | 79.9 | 136 | 602 |
| MW-1 | 06/05/13 | 44 | 78 | 120 | 830 |
| MW-1 | 09/10/13 | 300 | 510 | 250 | 2200 |
| MW-1 | 12/11/13 | 21 | 37 | 21 | 230 |
| MW-1 | 04/04/14 | 81 | 130 | 120 | 800 |
| MW-1 | 10/24/14 | 73 | 32 | 95 | 1300 |
| MW-1 | 05/31/15 | 68 | 79 | 95 | 940 |
| MW-1 | 11/21/15 | 160 | 67 | 98 | 1200 |
| MW-1 | 04/17/16 | 81 | 99 | 68 | 1100 |
| MW-1 | 10/15/16 | 56 | 72 | 150 | 1300 |

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | |
|--------------|----------|-------------------|-------------------|------------------------|-------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
| MW-2 | 10/15/99 | <0.5 | 2.1 | 5.5 | 2.8 |
| MW-2 | 07/03/01 | NS | NS | NS | NS |
| MW-2 | 09/04/01 | NS | NS | NS | NS |
| MW-2 | 10/01/01 | NS | NS | NS | NS |
| MW-2 | 07/15/02 | <0.5 | 0.6 | 0.9 | 1.4 |
| MW-2 | 10/08/02 | NS | NS | NS | NS |
| MW-2 | 01/27/03 | NS | NS | NS | NS |
| MW-2 | 04/26/03 | NS | NS | NS | NS |
| MW-2 | 07/17/03 | NS | NS | NS | NS |
| MW-2 | 01/19/04 | NS | NS | NS | NS |
| MW-2 | 07/27/04 | NS | NS | NS | NS |
| MW-2 | 10/20/04 | NS | NS | NS | NS |
| MW-2 | 01/25/05 | NS | NS | NS | NS |
| MW-2 | 04/14/05 | NS | NS | NS | NS |
| MW-2 | 07/19/05 | NS | NS | NS | NS |
| MW-2 | 10/21/05 | NS | NS | NS | NS |
| MW-2 | 01/23/06 | NS | NS | NS | NS |
| MW-2 | 04/28/06 | NS | NS | NS | NS |
| MW-2 | 07/26/06 | NS | NS | NS | NS |
| MW-2 | 10/24/06 | NS | NS | NS | NS |
| MW-2 | 01/17/07 | NS | NS | NS | NS |
| MW-2 | 04/24/07 | NS | NS | NS | NS |
| MW-2 | 07/31/07 | NS | NS | NS | NS |
| MW-2 | 10/25/07 | NS | NS | NS | NS |
| MW-2 | 01/25/08 | NS | NS | NS | NS |
| MW-2 | 04/17/08 | <2 | <2 | <2 | <6 |
| MW-2 | 07/23/08 | NS | NS | NS | NS |
| MW-2 | 10/08/08 | NS | NS | NS | NS |
| MW-2 | 01/16/09 | NS | NS | NS | NS |
| MW-2 | 04/06/09 | <1 | <1 | <1 | <2 |
| MW-2 | 08/25/09 | NS | NS | NS | NS |
| MW-2 | 11/02/09 | NS | NS | NS | NS |
| MW-2 | 02/16/10 | NS | NS | NS | NS |
| MW-2 | 06/02/10 | <2 | <2 | <2 | <6 |
| MW-2 | 09/27/10 | NS | NS | NS | NS |
| MW-2 | 11/01/10 | NS | NS | NS | NS |
| MW-2 | 02/01/11 | NS | NS | NS | NS |
| MW-2 | 05/09/11 | <1 | <1 | <1 | <3 |
| MW-2 | 09/23/11 | NS | NS | NS | NS |
| MW-2 | 11/02/11 | NS | NS | NS | NS |
| MW-2 | 02/22/12 | NS | NS | NS | NS |
| MW-2 | 05/15/12 | <1 | <1 | <1 | <3 |
| MW-2 | 06/05/13 | <0.14 | <0.30 | <0.20 | <0.23 |
| MW-2 | 09/10/13 | <0.14 | <0.30 | <0.20 | <0.23 |
| MW-2 | 12/11/13 | <2.0 | <3.8 | <2.0 | <6.5 |
| MW-2 | 04/04/14 | <0.20 | <0.38 | <0.20 | <0.65 |
| MW-2 | 10/24/14 | <0.38 | <0.70 | <0.50 | <1.6 |
| MW-2 | 05/31/15 | <1.0 | <5.0 | <1.0 | <5.0 |
| MW-2 | 11/21/15 | <1.0 | <1.0 | <1.0 | <3.0 |
| MW-2 | 04/17/16 | <1.0 | <5.0 | <1.0 | <5.0 |
| MW-2 | 10/15/16 | <1.0 | <5.0 | <1.0 | <5.0 |

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | |
|--------------|----------|-------------------|-------------------|------------------------|-------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
| MW-3 | 10/15/99 | <0.5 | 0.9 | <0.5 | 3.1 |
| MW-3 | 07/03/01 | <0.5 | <0.5 | <0.5 | <0.5 |
| MW-3 | 09/04/01 | NS | NS | NS | NS |
| MW-3 | 10/01/01 | NS | NS | NS | NS |
| MW-3 | 07/15/02 | NS | NS | NS | NS |
| MW-3 | 10/08/02 | NS | NS | NS | NS |
| MW-3 | 01/27/03 | NS | NS | NS | NS |
| MW-3 | 04/26/03 | NS | NS | NS | NS |
| MW-3 | 07/17/03 | NS | NS | NS | NS |
| MW-3 | 01/19/04 | NS | NS | NS | NS |
| MW-3 | 07/27/04 | NS | NS | NS | NS |
| MW-3 | 10/20/04 | NS | NS | NS | NS |
| MW-3 | 01/25/05 | NS | NS | NS | NS |
| MW-3 | 04/14/05 | NS | NS | NS | NS |
| MW-3 | 07/19/05 | NS | NS | NS | NS |
| MW-3 | 10/21/05 | NS | NS | NS | NS |
| MW-3 | 01/23/06 | NS | NS | NS | NS |
| MW-3 | 04/28/06 | NS | NS | NS | NS |
| MW-3 | 07/26/06 | NS | NS | NS | NS |
| MW-3 | 10/24/06 | NS | NS | NS | NS |
| MW-3 | 01/17/07 | NS | NS | NS | NS |
| MW-3 | 04/24/07 | NS | NS | NS | NS |
| MW-3 | 07/31/07 | NS | NS | NS | NS |
| MW-3 | 10/25/07 | NS | NS | NS | NS |
| MW-3 | 01/25/08 | NS | NS | NS | NS |
| MW-3 | 04/17/08 | <2 | <2 | <2 | <6 |
| MW-3 | 07/23/08 | NS | NS | NS | NS |
| MW-3 | 10/08/08 | NS | NS | NS | NS |
| MW-3 | 01/16/09 | NS | NS | NS | NS |
| MW-3 | 04/06/09 | <1 | <1 | <1 | <2 |

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

| Miles Fed 1A | | | | | |
|--------------|----------|-------------------|-------------------|------------------------|-------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
| MW-3 | 08/25/09 | NS | NS | NS | NS |
| MW-3 | 11/02/09 | NS | NS | NS | NS |
| MW-3 | 02/16/10 | NS | NS | NS | NS |
| MW-3 | 06/02/10 | <2 | <2 | <2 | <6 |
| MW-3 | 09/27/10 | NS | NS | NS | NS |
| MW-3 | 11/01/10 | NS | NS | NS | NS |
| MW-3 | 02/01/11 | NS | NS | NS | NS |
| MW-3 | 05/09/11 | NS | NS | NS | NS |
| MW-3 | 09/23/11 | NS | NS | NS | NS |
| MW-3 | 11/02/11 | NS | NS | NS | NS |
| MW-3 | 02/22/12 | NS | NS | NS | NS |
| MW-3 | 05/15/12 | NS | NS | NS | NS |
| MW-3 | 06/05/13 | <0.14 | <0.30 | <0.20 | <0.23 |
| MW-3 | 09/10/13 | <0.14 | <0.30 | <0.20 | <0.23 |
| MW-3 | 12/11/13 | <0.20 | <0.38 | <0.20 | <0.65 |
| MW-3 | 04/04/14 | <0.20 | <0.38 | <0.20 | <0.65 |
| MW-3 | 10/24/14 | <0.38 | <0.70 | <0.50 | <1.6 |
| MW-3 | 05/31/15 | <1.0 | <5.0 | <1.0 | <5.0 |
| MW-3 | 11/21/15 | <1.0 | <1.0 | <1.0 | <3.0 |
| MW-3 | 04/17/16 | <1.0 | <5.0 | <1.0 | <5.0 |
| MW-3 | 10/15/16 | <1.0 | <5.0 | <1.0 | <5.0 |

Notes:

"µg/L" = micrograms per liter

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

"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result is an approximate value.

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

"NS" = Monitoring well not sampled

TABLE 2 - GROUNDWATER ELEVATION RESULTS

| Miles Fed 1A | | | | | | |
|--------------|----------|---------|----------------------|----------------------|-----------------------|--------------------|
| Location | Date | TOC | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) | GW Elevation (ft.) |
| MW-1 | 11/05/96 | 6049.42 | 30.58 | 30.10 | 0.48 | 6019.20 |
| MW-1 | 02/07/97 | 6049.42 | 30.05 | 29.91 | 0.14 | 6019.47 |
| MW-1 | 05/06/97 | 6049.42 | 30.18 | 30.04 | 0.14 | 6019.34 |
| MW-1 | 04/11/01 | 6049.42 | 31.81 | 30.61 | 1.20 | 6018.51 |
| MW-1 | 07/03/01 | 6049.42 | 32.76 | 31.18 | 1.58 | 6017.84 |
| MW-1 | 09/04/01 | 6049.42 | 31.80 | 30.68 | 1.12 | 6018.46 |
| MW-1 | 10/01/01 | 6049.42 | 31.41 | 31.16 | 0.25 | 6018.19 |
| MW-1 | 01/02/02 | 6049.42 | 32.17 | 31.20 | 0.97 | 6017.97 |
| MW-1 | 04/01/02 | 6049.42 | 31.45 | 31.09 | 0.36 | 6018.24 |
| MW-1 | 07/15/02 | 6049.42 | 32.35 | 31.43 | 0.92 | 6017.76 |
| MW-1 | 10/08/02 | 6049.42 | 31.73 | 31.33 | 0.40 | 6017.99 |
| MW-1 | 01/27/03 | 6049.42 | 31.59 | 31.21 | 0.38 | 6018.11 |
| MW-1 | 04/26/03 | 6049.42 | 31.30 | 31.16 | 0.14 | 6018.22 |
| MW-1 | 07/17/03 | 6049.42 | 32.31 | 31.73 | 0.58 | 6017.54 |
| MW-1 | 01/19/04 | 6049.42 | 31.49 | 31.32 | 0.17 | 6018.05 |
| MW-1 | 07/27/04 | 6049.42 | 32.47 | 31.89 | 0.58 | 6017.38 |
| MW-1 | 10/20/04 | 6049.42 | 32.24 | 31.95 | 0.29 | 6017.39 |
| MW-1 | 01/25/05 | 6049.42 | 31.91 | 31.75 | 0.16 | 6017.63 |
| MW-1 | 04/14/05 | 6049.42 | 31.52 | ND | | 6017.90 |
| MW-1 | 07/19/05 | 6049.42 | 32.43 | 32.32 | 0.11 | 6017.07 |
| MW-1 | 10/21/05 | 6049.42 | 32.02 | ND | | 6017.40 |
| MW-1 | 01/23/06 | 6049.42 | 31.93 | 31.92 | 0.01 | 6017.49 |
| MW-1 | 04/28/06 | 6049.42 | 31.85 | ND | | 6017.57 |
| MW-1 | 07/26/06 | 6049.42 | 31.94 | ND | | 6017.48 |
| MW-1 | 10/24/06 | 6049.42 | 30.71 | ND | | 6018.71 |
| MW-1 | 01/17/07 | 6049.42 | 30.99 | ND | | 6018.43 |
| MW-1 | 04/24/07 | 6049.42 | 30.95 | ND | | 6018.47 |
| MW-1 | 07/31/07 | 6049.42 | 31.32 | ND | | 6018.10 |

TABLE 2 - GROUNDWATER ELEVATION RESULTS

| Miles Fed 1A | | | | | | |
|--------------|----------|---------|----------------------|----------------------|-----------------------|--------------------|
| Location | Date | TOC | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) | GW Elevation (ft.) |
| MW-1 | 10/25/07 | 6049.42 | 31.40 | ND | | 6018.02 |
| MW-1 | 01/25/08 | 6049.42 | 31.12 | ND | | 6018.30 |
| MW-1 | 04/17/08 | 6049.42 | 31.04 | ND | | 6018.38 |
| MW-1 | 07/23/08 | 6049.42 | 31.23 | ND | | 6018.19 |
| MW-1 | 10/08/08 | 6049.42 | 31.77 | ND | | 6017.65 |
| MW-1 | 01/16/09 | 6049.42 | 31.74 | 31.66 | 0.08 | 6017.74 |
| MW-1 | 04/06/09 | 6049.42 | 31.82 | ND | | 6017.60 |
| MW-1 | 08/25/09 | 6049.42 | 32.30 | ND | | 6017.12 |
| MW-1 | 11/02/09 | 6049.42 | 32.20 | ND | | 6017.22 |
| MW-1 | 02/16/10 | 6049.42 | 31.74 | ND | | 6017.68 |
| MW-1 | 06/02/10 | 6049.42 | 31.53 | 31.50 | 0.03 | 6017.91 |
| MW-1 | 09/27/10 | 6049.42 | 31.89 | ND | | 6017.53 |
| MW-1 | 11/01/10 | 6049.42 | 31.76 | ND | | 6017.66 |
| MW-1 | 02/01/11 | 6049.42 | 31.63 | ND | | 6017.79 |
| MW-1 | 05/09/11 | 6049.42 | 31.60 | ND | | 6017.82 |
| MW-1 | 09/23/11 | 6049.42 | 32.40 | ND | | 6017.02 |
| MW-1 | 11/02/11 | 6049.42 | 32.27 | ND | | 6017.15 |
| MW-1 | 02/22/12 | 6049.42 | 31.99 | ND | | 6017.43 |
| MW-1 | 05/15/12 | 6049.42 | 32.08 | ND | | 6017.34 |
| MW-1 | 06/05/13 | 6049.42 | 31.80 | ND | | 6017.62 |
| MW-1 | 09/10/13 | 6049.42 | 31.30 | ND | | 6018.12 |
| MW-1 | 12/11/13 | 6049.42 | 31.16 | ND | | 6018.26 |
| MW-1 | 04/04/14 | 6049.42 | 31.22 | ND | | 6018.20 |
| MW-1 | 10/24/14 | 6049.42 | 31.50 | ND | | 6017.92 |
| MW-1 | 05/31/15 | 6049.42 | 31.36 | ND | | 6018.06 |
| MW-1 | 11/21/15 | 6049.42 | 31.01 | ND | | 6018.41 |
| MW-1 | 04/17/16 | 6049.42 | 30.23 | ND | | 6019.19 |
| MW-1 | 10/15/16 | 6049.42 | 31.11 | ND | | 6018.31 |

TABLE 2 - GROUNDWATER ELEVATION RESULTS

| Miles Fed 1A | | | | | | |
|--------------|----------|---------|----------------------|----------------------|-----------------------|--------------------|
| Location | Date | TOC | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) | GW Elevation (ft.) |
| MW-2 | 10/15/99 | 6049.22 | 27.97 | NR | | 6021.25 |
| MW-2 | 07/03/01 | 6049.22 | 32.51 | NR | | 6016.71 |
| MW-2 | 09/04/01 | 6049.22 | 28.30 | NR | | 6020.92 |
| MW-2 | 10/01/01 | 6049.22 | 28.61 | NR | | 6020.61 |
| MW-2 | 07/15/02 | 6049.22 | 31.46 | NR | | 6017.76 |
| MW-2 | 10/08/02 | 6049.22 | 30.77 | NR | | 6018.45 |
| MW-2 | 01/27/03 | 6049.22 | 30.64 | ND | | 6018.58 |
| MW-2 | 04/26/03 | 6049.22 | 31.51 | ND | | 6017.71 |
| MW-2 | 07/17/03 | 6049.22 | 31.23 | ND | | 6017.99 |
| MW-2 | 01/19/04 | 6049.22 | 31.14 | ND | | 6018.08 |
| MW-2 | 07/27/04 | 6049.22 | 31.37 | ND | | 6017.85 |
| MW-2 | 10/20/04 | 6049.22 | 31.33 | ND | | 6017.89 |
| MW-2 | 01/25/05 | 6049.22 | 31.56 | ND | | 6017.66 |
| MW-2 | 04/14/05 | 6049.22 | 31.33 | ND | | 6017.89 |
| MW-2 | 07/19/05 | 6049.22 | 31.97 | ND | | 6017.25 |
| MW-2 | 10/21/05 | 6049.22 | 31.09 | ND | | 6018.13 |
| MW-2 | 01/23/06 | 6049.22 | 31.19 | ND | | 6018.03 |
| MW-2 | 04/28/06 | 6049.22 | 31.21 | ND | | 6018.01 |
| MW-2 | 07/26/06 | 6049.22 | 31.24 | ND | | 6017.98 |
| MW-2 | 10/24/06 | 6049.22 | 30.55 | ND | | 6018.67 |
| MW-2 | 01/17/07 | 6049.22 | 30.29 | ND | | 6018.93 |
| MW-2 | 04/24/07 | 6049.22 | 30.75 | ND | | 6018.47 |
| MW-2 | 07/31/07 | 6049.22 | 30.56 | ND | | 6018.66 |
| MW-2 | 10/25/07 | 6049.22 | 30.71 | ND | | 6018.51 |
| MW-2 | 01/25/08 | 6049.22 | 30.41 | ND | | 6018.81 |
| MW-2 | 04/17/08 | 6049.22 | 30.36 | ND | | 6018.86 |
| MW-2 | 07/23/08 | 6049.22 | 31.14 | ND | | 6018.08 |
| MW-2 | 10/08/08 | 6049.22 | 31.57 | ND | | 6017.65 |
| MW-2 | 01/16/09 | 6049.22 | 30.98 | ND | | 6018.24 |
| MW-2 | 04/06/09 | 6049.22 | 31.40 | ND | | 6017.82 |
| MW-2 | 08/25/09 | 6049.22 | 31.85 | ND | | 6017.37 |
| MW-2 | 11/02/09 | 6049.22 | 31.93 | ND | | 6017.29 |
| MW-2 | 02/16/10 | 6049.22 | 31.43 | ND | | 6017.79 |
| MW-2 | 06/02/10 | 6049.22 | 31.33 | ND | | 6017.89 |
| MW-2 | 09/27/10 | 6049.22 | 31.63 | ND | | 6017.59 |
| MW-2 | 11/01/10 | 6049.22 | 31.57 | ND | | 6017.65 |
| MW-2 | 02/01/11 | 6049.22 | 31.39 | ND | | 6017.83 |
| MW-2 | 05/09/11 | 6049.22 | 31.40 | ND | | 6017.82 |
| MW-2 | 09/23/11 | 6049.22 | 32.05 | ND | | 6017.17 |
| MW-2 | 11/02/11 | 6049.22 | 32.01 | ND | | 6017.21 |
| MW-2 | 02/22/12 | 6049.22 | 31.76 | ND | | 6017.46 |
| MW-2 | 05/15/12 | 6049.22 | 31.87 | ND | | 6017.35 |
| MW-2 | 06/05/13 | 6049.22 | 31.56 | ND | | 6017.66 |
| MW-2 | 09/10/13 | 6049.22 | 31.13 | ND | | 6018.09 |
| MW-2 | 12/11/13 | 6049.22 | 30.95 | ND | | 6018.27 |
| MW-2 | 04/04/14 | 6049.22 | 31.02 | ND | | 6018.20 |
| MW-2 | 10/24/14 | 6049.22 | 31.32 | ND | | 6017.90 |
| MW-2 | 05/31/15 | 6049.22 | 31.37 | ND | | 6017.85 |
| MW-2 | 11/21/15 | 6049.22 | 30.80 | ND | | 6018.42 |
| MW-2 | 04/17/16 | 6049.22 | 30.75 | ND | | 6018.47 |
| MW-2 | 10/15/16 | 6049.22 | 30.89 | ND | | 6018.33 |

TABLE 2 - GROUNDWATER ELEVATION RESULTS

| Miles Fed 1A | | | | | | |
|--------------|----------|---------|----------------------|----------------------|-----------------------|--------------------|
| Location | Date | TOC | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) | GW Elevation (ft.) |
| MW-3 | 10/15/99 | 6049.32 | 27.92 | NR | | 6021.40 |
| MW-3 | 07/03/01 | 6049.32 | 28.97 | NR | | 6020.35 |
| MW-3 | 09/04/01 | 6049.32 | 28.40 | NR | | 6020.92 |
| MW-3 | 10/01/01 | 6049.32 | 28.63 | NR | | 6020.69 |
| MW-3 | 07/15/02 | 6049.32 | 31.46 | NR | | 6017.86 |
| MW-3 | 10/08/02 | 6049.32 | 31.22 | NR | | 6018.10 |
| MW-3 | 01/27/03 | 6049.32 | 31.11 | ND | | 6018.21 |
| MW-3 | 04/26/03 | 6049.32 | 30.99 | ND | | 6018.33 |
| MW-3 | 07/17/03 | 6049.32 | 31.62 | ND | | 6017.70 |
| MW-3 | 01/19/04 | 6049.32 | 30.66 | ND | | 6018.66 |
| MW-3 | 07/27/04 | 6049.32 | 31.30 | ND | | 6018.02 |
| MW-3 | 10/20/04 | 6049.32 | 31.32 | ND | | 6018.00 |
| MW-3 | 01/25/05 | 6049.32 | 31.08 | ND | | 6018.24 |
| MW-3 | 04/14/05 | 6049.32 | 30.87 | ND | | 6018.45 |
| MW-3 | 07/19/05 | 6049.32 | 31.56 | ND | | 6017.76 |
| MW-3 | 10/21/05 | 6049.32 | 31.66 | ND | | 6017.66 |
| MW-3 | 01/23/06 | 6049.32 | 31.61 | ND | | 6017.71 |
| MW-3 | 04/28/06 | 6049.32 | 31.62 | ND | | 6017.70 |
| MW-3 | 07/26/06 | 6049.32 | 31.72 | ND | | 6017.60 |
| MW-3 | 10/24/06 | 6049.32 | 30.03 | ND | | 6019.29 |
| MW-3 | 01/17/07 | 6049.32 | 30.81 | ND | | 6018.51 |
| MW-3 | 04/24/07 | 6049.32 | 30.28 | ND | | 6019.04 |
| MW-3 | 07/31/07 | 6049.32 | 31.12 | ND | | 6018.20 |
| MW-3 | 10/25/07 | 6049.32 | 31.19 | ND | | 6018.13 |
| MW-3 | 01/25/08 | 6049.32 | 20.93 | ND | | 6028.39 |
| MW-3 | 04/17/08 | 6049.32 | 30.36 | ND | | 6018.96 |
| MW-3 | 07/23/08 | 6049.32 | 30.58 | ND | | 6018.74 |
| MW-3 | 10/08/08 | 6049.32 | 31.15 | ND | | 6018.17 |
| MW-3 | 01/16/09 | 6049.32 | 31.47 | ND | | 6017.85 |

TABLE 2 - GROUNDWATER ELEVATION RESULTS

| Miles Fed 1A | | | | | | |
|--------------|----------|---------|----------------------|----------------------|-----------------------|--------------------|
| Location | Date | TOC | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) | GW Elevation (ft.) |
| MW-3 | 04/06/09 | 6049.32 | 30.93 | ND | | 6018.39 |
| MW-3 | 08/25/09 | 6049.32 | 31.60 | ND | | 6017.72 |
| MW-3 | 11/02/09 | 6049.32 | 31.47 | ND | | 6017.85 |
| MW-3 | 02/16/10 | 6049.32 | 30.89 | ND | | 6018.43 |
| MW-3 | 06/02/10 | 6049.32 | 30.88 | ND | | 6018.44 |
| MW-3 | 09/27/10 | 6049.32 | 31.20 | ND | | 6018.12 |
| MW-3 | 11/01/10 | 6049.32 | 30.96 | ND | | 6018.36 |
| MW-3 | 02/01/11 | 6049.32 | 30.91 | ND | | 6018.41 |
| MW-3 | 05/09/11 | 6049.32 | 30.95 | ND | | 6018.37 |
| MW-3 | 09/23/11 | 6049.32 | 31.55 | ND | | 6017.77 |
| MW-3 | 11/02/11 | 6049.32 | 31.52 | ND | | 6017.80 |
| MW-3 | 02/22/12 | 6049.32 | 31.37 | ND | | 6017.95 |
| MW-3 | 05/15/12 | 6049.32 | 31.45 | ND | | 6017.87 |
| MW-3 | 06/05/13 | 6049.32 | 31.15 | ND | | 6018.17 |
| MW-3 | 09/10/13 | 6049.32 | 30.58 | ND | | 6018.74 |
| MW-3 | 12/11/13 | 6049.32 | 30.43 | ND | | 6018.89 |
| MW-3 | 04/04/14 | 6049.32 | 30.51 | ND | | 6018.81 |
| MW-3 | 10/24/14 | 6049.32 | 30.82 | ND | | 6018.50 |
| MW-3 | 05/31/15 | 6049.32 | 30.66 | ND | | 6018.66 |
| MW-3 | 11/21/15 | 6049.32 | 30.29 | ND | | 6019.03 |
| MW-3 | 04/17/16 | 6049.32 | 30.23 | ND | | 6019.09 |
| MW-3 | 10/15/16 | 6049.32 | 30.42 | ND | | 6018.90 |

Notes:

"ft" = feet

"TOC" = Top of casing

"LNAPL" = Light non-aqueous phase liquid

"ND" = LNAPL not detected

"NR" = LNAPL not recorded

TABLE 3 - SOIL ANALYTICAL RESULTS

FIGURES

- FIGURE 1: APRIL 17, 2016 GROUNDWATER ANALYTICAL RESULTS MAP
- FIGURE 2: APRIL 17, 2016 GROUNDWATER ELEVATION MAP
- FIGURE 3: OCTOBER 15, 2016 GROUNDWATER ANALYTICAL RESULTS MAP
- FIGURE 4: OCTOBER 15, 2016 GROUNDWATER ELEVATION MAP
- FIGURE 5: SOIL ANALYTICAL RESULTS











APPENDICES

APPENDIX A – BOREHOLE AND WELL CONSTRUCTION LOGS

APPENDIX B – SOIL SAMPLING ANALYTICAL REPORTS

APPENDIX C – WASTE DISPOSAL DOCUMENTATION

**APPENDIX D – MAY 5, 2016 GROUNDWATER SAMPLING ANALYTICAL REPORT
OCTOBER 28, 2016 GROUNDWATER SAMPLING ANALYTICAL REPORT**

APPENDIX A



MWH

Drilling Log

Soil Boring

DP-1

Page: 1 of 2

Project Miles Federal #1A Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509134
 Surface Elev. 6046.70 ft North NA East NA
 Top of Casing NA Water Level Initial dry Static ▼
 Hole Depth 28.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/22/2016 Completion Date 5/22/2016 Checked By S. Varsa

COMMENTS
 Adjacent to MW-1. Water level at MW-1 = 30.95 ft. below TOC, ~28.5 ft. below GS. Surface is dirt with minor vegetation. NM = Not measured.

Bentonite Chips Bentonite Granules Grout Bentonite Pellets Sand Pack PP Sand Pack

| Depth (ft) | PID (ppm) | % Recovery | Blow Count Recovery | Graphic Log | USCS | Description | |
|---------------|--------------|------------|------------------------|----------------|------|--|--|
| | | | | | | (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS. | |
| 0 | | | | | | Sand, silty, brown, dry, loose, medium to fine sand, no hydrocarbon odor. (0-8' cleared with a hydro-vac). | |
| 2 | | | | | | | |
| 4 | | 100% | | | SM | | |
| 6 | | | | | | | |
| 8 | | | | | | Well-graded sand, dry, loose, all sand sizes, subangular, no cementation to minor noted at 16', no hydrocarbon odor, some iron oxidation present, soil compacted in the core liner in the 10-15' and 15-20' intervals; minor gravel. | |
| 10 | | 100% | | | | | |
| 12 | | | | | | | |
| 14 | | | | | | | |

**MWH****Drilling Log**

Soil Boring

DP-1

Page: 2 of 2

Project Miles Federal #1AOwner El Paso CGP Company, LLCLocation Rio Arriba County, New MexicoProject Number 10509134

| Depth (ft) | PID (ppm) | % Recovery | Blow Count Recovery | Graphic Log | USCS | Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS. |
|---------------|--------------|----------------|------------------------|----------------|------|--|
| 14 | 0.0 | 100% | | | | <i>Continued</i> |
| 16 | 0.0 | | | | | |
| 18 | 0.0 | DP1 17- 18' | 100% | | SW | |
| 20 | 0.0 | DP1 19- 20' | | | | Possible sandstone- probe refusal at 20'. Begin augering. Driller reports intermittent hard and soft in the weathered sandstone. Auger refusal at 28'. Auger cuttings have a slight hydrocarbon odor from 20-28', cuttings are very moist. |
| 22 | 20.5 | NM | | | | |
| 24 | NM | | | | | |
| 26 | NM | | | | | |
| 28 | 192.5 | DP1 27- 28' | | | | Total depth = 28'. |
| 30 | | | | | | |
| 32 | | | | | | |



MWH

Drilling Log

Soil Boring

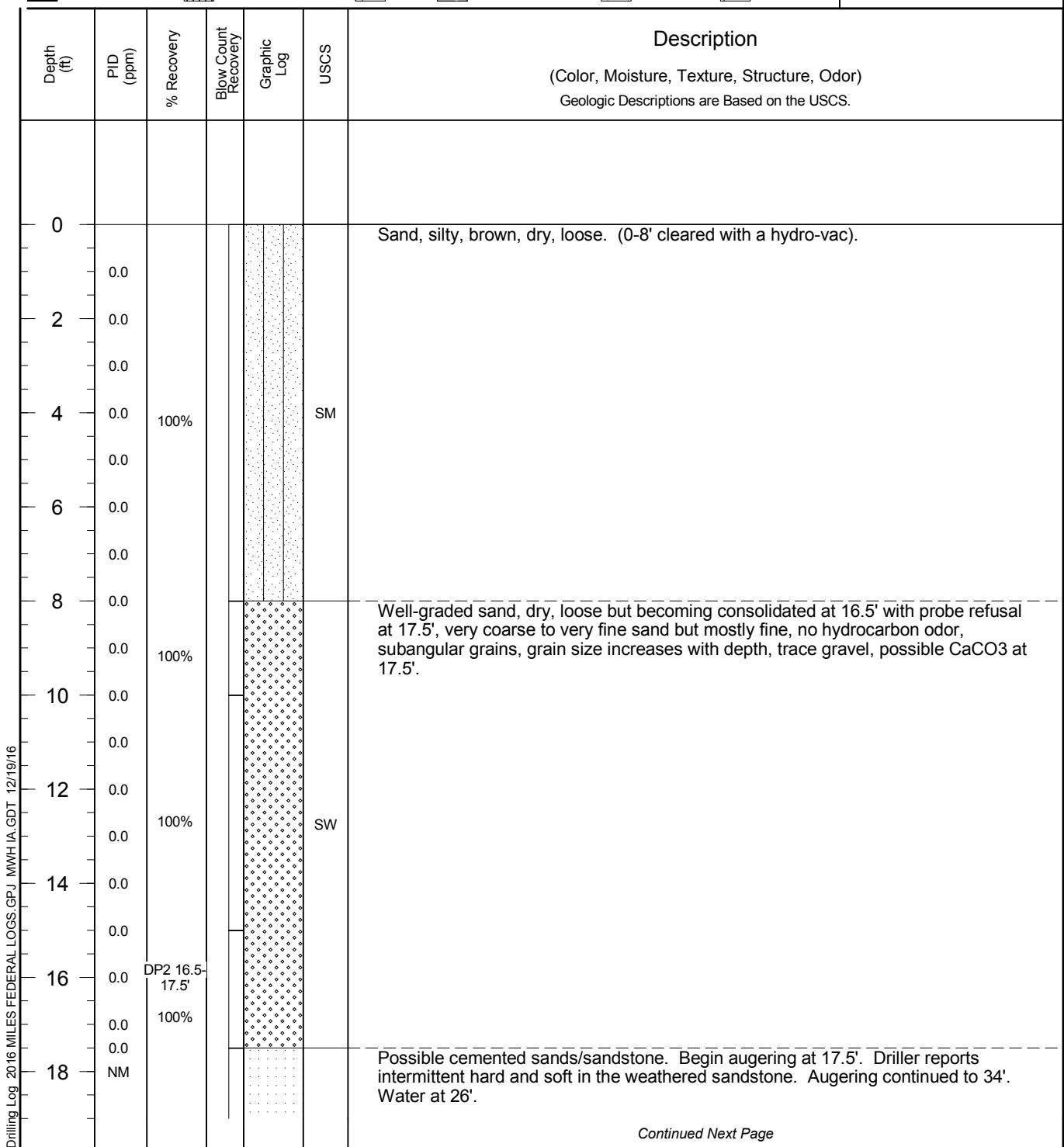
DP-2

Page: 1 of 2

Project Miles Federal #1A Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509134
 Surface Elev. 6046.70 ft North NA East NA
 Top of Casing NA Water Level Initial 26.0ft 05/22/16
14:30 Static 27.0ft 05/22/16
15:40
 Hole Depth 34.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/22/2016 Completion Date 5/22/2016 Checked By S. Varsa

COMMENTS
 Water level at MW-1 = 30.95 ft. below TOC, ~28.5 ft. below GS.
 Surface is dirt with minor vegetation (sagebrush). NM = Not measured.

Bentonite Chips Bentonite Granules Grout Bentonite Pellets Sand Pack PP Sand Pack



Continued Next Page

**MWH****Drilling Log**

Soil Boring

DP-2

Page: 2 of 2

Project Miles Federal #1AOwner El Paso CGP Company, LLCLocation Rio Arriba County, New MexicoProject Number 10509134

| Depth (ft) | PID (ppm) | % Recovery | Blow Count Recovery | Graphic Log | USCS | Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS. |
|---------------|--------------|------------|------------------------|----------------|------|--|
| 20 | NM | | | | | <i>Continued</i> |
| 22 | NM | | | | | |
| 24 | NM | | | | | |
| 26 | NM | | | | | |
| 28 | NM | | | | | |
| 30 | 0.0 | | | | | |
| 32 | NM | | | | | |
| 34 | NM | | | | | |
| | | | | | | Total depth = 34'. |
| 36 | | | | | | |
| 38 | | | | | | |
| 40 | | | | | | |
| 42 | | | | | | |
| 44 | | | | | | |

APPENDIX B

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: 400-122217-1

Client Project/Site: Miles Fed #1A

For:

MWH Americas Inc

11153 Aurora Avenue

Des Moines, Iowa 50322-7904

Attn: Steve Varsa



Authorized for release by:

6/9/2016 5:40:53 PM

Marty Edwards, Manager of Project Management

(850)474-1001

marty.edwards@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

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.

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| QC Sample Results | 14 |
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Definitions/Glossary

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

TestAmerica Job ID: 400-122217-1

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |

GC Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |

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 |
| 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 |
| 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) |

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Case Narrative

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

TestAmerica Job ID: 400-122217-1

Job ID: 400-122217-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-122217-1

Comments

No additional comments.

Receipt

The samples were received on 5/26/2016 9:27 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.

HPLC/IC

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

GC VOA

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

GC Semi VOA

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

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 Fed #1A

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-2 (16.5-17.5)

Lab Sample ID: 400-122217-1

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|----|-------|---------|---|--------|-----------|
| Chloride | 100 | | 29 | mg/Kg | 1 | ⊗ | 300.0 | Soluble |

Client Sample ID: DP-1 (17-18)

Lab Sample ID: 400-122217-2

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|----|-------|---------|---|--------|-----------|
| Chloride | 480 | | 24 | mg/Kg | 1 | ⊗ | 300.0 | Soluble |

Client Sample ID: DP-1 (19-20)

Lab Sample ID: 400-122217-3

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|----|-------|---------|---|--------|-----------|
| Chloride | 470 | | 26 | mg/Kg | 1 | ⊗ | 300.0 | Soluble |

Client Sample ID: DP-1 (27-28)

Lab Sample ID: 400-122217-4

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------------------------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Gasoline Range Organics (GRO) C6-C10 | 500 | | 30 | mg/Kg | 250 | ⊗ | 8015B | Total/NA |
| Benzene | 0.23 | | 0.059 | mg/Kg | 50 | ⊗ | 8021B | Total/NA |
| Ethylbenzene | 3.6 | F1 | 0.059 | mg/Kg | 50 | ⊗ | 8021B | Total/NA |
| Toluene | 1.8 | | 0.30 | mg/Kg | 50 | ⊗ | 8021B | Total/NA |
| Xylenes, Total | 13 | F1 | 0.30 | mg/Kg | 50 | ⊗ | 8021B | Total/NA |
| C10-C28 | 13 | | 13 | mg/Kg | 1 | ⊗ | 8015B | Total/NA |
| Chloride | 640 | | 26 | mg/Kg | 1 | ⊗ | 300.0 | Soluble |

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

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

TestAmerica Job ID: 400-122217-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Solid | 05/22/16 13:20 | 05/26/16 09:27 |
| 400-122217-2 | DP-1 (17-18) | Solid | 05/22/16 15:25 | 05/26/16 09:27 |
| 400-122217-3 | DP-1 (19-20) | Solid | 05/22/16 15:35 | 05/26/16 09:27 |
| 400-122217-4 | DP-1 (27-28) | Solid | 05/22/16 16:30 | 05/26/16 09:27 |

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TestAmerica Pensacola

Client Sample Results

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-2 (16.5-17.5)

Date Collected: 05/22/16 13:20

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-1

Matrix: Solid

Percent Solids: 68.9

Method: 8015B - Gasoline Range Organics - (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO) C6-C10 | <0.13 | | 0.13 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene (fid) | 104 | | 65 - 125 | | | 06/01/16 12:00 | 06/02/16 03:01 | 1 |

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.0013 | | 0.0013 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:01 | 1 |
| Ethylbenzene | <0.0013 | | 0.0013 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:01 | 1 |
| Toluene | <0.0065 | | 0.0065 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:01 | 1 |
| Xylenes, Total | <0.0065 | | 0.0065 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene (pid) | 100 | | 40 - 150 | | | 06/01/16 12:00 | 06/02/16 03:01 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| C10-C28 | <14 | | 14 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 22:31 | 1 |
| C28-C35 | <14 | | 14 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 22:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 28 | | 27 - 151 | | | 06/02/16 09:32 | 06/07/16 22:31 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-------|---|----------|----------------|---------|
| Chloride | 100 | | 29 | mg/Kg | ⊗ | | 06/07/16 03:01 | 1 |

TestAmerica Pensacola

Client Sample Results

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-1 (17-18)

Date Collected: 05/22/16 15:25

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-2

Matrix: Solid

Percent Solids: 86.8

Method: 8015B - Gasoline Range Organics - (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO) C6-C10 | <0.11 | | 0.11 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene (fid) | 100 | | 65 - 125 | | | 06/01/16 12:00 | 06/02/16 03:28 | 1 |

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.0011 | | 0.0011 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:28 | 1 |
| Ethylbenzene | <0.0011 | | 0.0011 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:28 | 1 |
| Toluene | <0.0054 | | 0.0054 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:28 | 1 |
| Xylenes, Total | <0.0054 | | 0.0054 | mg/Kg | ⊗ | 06/01/16 12:00 | 06/02/16 03:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene (pid) | 99 | | 40 - 150 | | | 06/01/16 12:00 | 06/02/16 03:28 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| C10-C28 | <11 | | 11 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 22:42 | 1 |
| C28-C35 | <11 | | 11 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 22:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 27 | | 27 - 151 | | | 06/02/16 09:32 | 06/07/16 22:42 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-------|---|----------|----------------|---------|
| Chloride | 480 | | 24 | mg/Kg | ⊗ | | 06/07/16 03:24 | 1 |

TestAmerica Pensacola

Client Sample Results

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-1 (19-20)

Date Collected: 05/22/16 15:35

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-3

Matrix: Solid

Percent Solids: 75.6

Method: 8015B - Gasoline Range Organics - (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO) C6-C10 | <0.12 | | 0.12 | mg/Kg | ⊗ | 06/01/16 18:17 | 06/02/16 04:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene (fid) | 109 | | 65 - 125 | | | 06/01/16 18:17 | 06/02/16 04:52 | 1 |

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| Benzene | <0.0012 | | 0.0012 | mg/Kg | ⊗ | 06/01/16 18:17 | 06/02/16 04:52 | 1 |
| Ethylbenzene | <0.0012 | | 0.0012 | mg/Kg | ⊗ | 06/01/16 18:17 | 06/02/16 04:52 | 1 |
| Toluene | <0.0062 | | 0.0062 | mg/Kg | ⊗ | 06/01/16 18:17 | 06/02/16 04:52 | 1 |
| Xylenes, Total | <0.0062 | | 0.0062 | mg/Kg | ⊗ | 06/01/16 18:17 | 06/02/16 04:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| a,a,a-Trifluorotoluene (pid) | 101 | | 40 - 150 | | | 06/01/16 18:17 | 06/02/16 04:52 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| C10-C28 | <13 | | 13 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 22:52 | 1 |
| C28-C35 | <13 | | 13 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 22:52 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| o-Terphenyl | 54 | | 27 - 151 | | | 06/02/16 09:32 | 06/07/16 22:52 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-------|---|----------|----------------|---------|
| Chloride | 470 | | 26 | mg/Kg | ⊗ | | 06/07/16 03:47 | 1 |

TestAmerica Pensacola

Client Sample Results

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-1 (27-28)

Date Collected: 05/22/16 16:30

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-4

Matrix: Solid

Percent Solids: 75.4

Method: 8015B - Gasoline Range Organics - (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6-C10 | 500 | | 30 | mg/Kg | ⊗ | 06/01/16 17:00 | 06/02/16 16:21 | 250 |
| Surrogate a,a,a-Trifluorotoluene (fid) | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| | 95 | | 65 - 125 | | | 06/01/16 17:00 | 06/02/16 16:21 | 250 |

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | 0.23 | | 0.059 | mg/Kg | ⊗ | 06/01/16 17:00 | 06/02/16 05:47 | 50 |
| Ethylbenzene | 3.6 | F1 | 0.059 | mg/Kg | ⊗ | 06/01/16 17:00 | 06/02/16 05:47 | 50 |
| Toluene | 1.8 | | 0.30 | mg/Kg | ⊗ | 06/01/16 17:00 | 06/02/16 05:47 | 50 |
| Xylenes, Total | 13 | F1 | 0.30 | mg/Kg | ⊗ | 06/01/16 17:00 | 06/02/16 05:47 | 50 |
| Surrogate a,a,a-Trifluorotoluene (pid) | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| | 94 | | 40 - 150 | | | 06/01/16 17:00 | 06/02/16 05:47 | 50 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| C10-C28 | 13 | | 13 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 23:03 | 1 |
| C28-C35 | <13 | | 13 | mg/Kg | ⊗ | 06/02/16 09:32 | 06/07/16 23:03 | 1 |
| Surrogate o-Terphenyl | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| | 51 | | 27 - 151 | | | 06/02/16 09:32 | 06/07/16 23:03 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-------|---|----------|----------------|---------|
| Chloride | 640 | | 26 | mg/Kg | ⊗ | | 06/07/16 04:09 | 1 |

TestAmerica Pensacola

QC Association Summary

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

TestAmerica Job ID: 400-122217-1

GC VOA

Prep Batch: 307464

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-122090-A-1-B MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 400-122090-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |
| 400-122217-4 | DP-1 (27-28) | Total/NA | Solid | 5035 | |
| 400-122217-4 MS | DP-1 (27-28) | Total/NA | Solid | 5035 | |
| 400-122217-4 MSD | DP-1 (27-28) | Total/NA | Solid | 5035 | |
| LCS 400-307464/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCS 400-307464/8-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| MB 400-307464/2-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 307478

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-122217-4 | DP-1 (27-28) | Total/NA | Solid | 8021B | 307464 |
| 400-122217-4 MS | DP-1 (27-28) | Total/NA | Solid | 8021B | 307464 |
| 400-122217-4 MSD | DP-1 (27-28) | Total/NA | Solid | 8021B | 307464 |
| LCS 400-307464/8-A | Lab Control Sample | Total/NA | Solid | 8021B | 307464 |
| MB 400-307464/2-A | Method Blank | Total/NA | Solid | 8021B | 307464 |

Analysis Batch: 307479

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-122217-4 | DP-1 (27-28) | Total/NA | Solid | 8015B | 307464 |
| LCS 400-307464/1-A | Lab Control Sample | Total/NA | Solid | 8015B | 307464 |
| MB 400-307464/2-A | Method Blank | Total/NA | Solid | 8015B | 307464 |

Analysis Batch: 307480

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-122090-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015B | 307464 |
| 400-122090-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B | 307464 |

Analysis Batch: 308196

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Total/NA | Solid | 8021B | 308281 |
| 400-122217-2 | DP-1 (17-18) | Total/NA | Solid | 8021B | 308281 |
| 400-122217-2 MS | DP-1 (17-18) | Total/NA | Solid | 8021B | 308281 |
| 400-122217-2 MSD | DP-1 (17-18) | Total/NA | Solid | 8021B | 308281 |
| 400-122217-3 | DP-1 (19-20) | Total/NA | Solid | 8021B | 308281 |
| LCS 400-308281/3-A | Lab Control Sample | Total/NA | Solid | 8021B | 308281 |
| MB 400-308281/1-A | Method Blank | Total/NA | Solid | 8021B | 308281 |

Analysis Batch: 308197

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Total/NA | Solid | 8015B | 308281 |
| 400-122217-2 | DP-1 (17-18) | Total/NA | Solid | 8015B | 308281 |
| 400-122217-3 | DP-1 (19-20) | Total/NA | Solid | 8015B | 308281 |
| 400-122262-B-3-C MS | Matrix Spike | Total/NA | Solid | 8015B | 308281 |
| 400-122262-B-3-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B | 308281 |
| LCS 400-308281/2-A | Lab Control Sample | Total/NA | Solid | 8015B | 308281 |
| MB 400-308281/1-A | Method Blank | Total/NA | Solid | 8015B | 308281 |

Prep Batch: 308281

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Total/NA | Solid | 5035 | |

TestAmerica Pensacola

QC Association Summary

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

TestAmerica Job ID: 400-122217-1

GC VOA (Continued)

Prep Batch: 308281 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-122217-2 | DP-1 (17-18) | Total/NA | Solid | 5035 | |
| 400-122217-2 MS | DP-1 (17-18) | Total/NA | Solid | 5035 | |
| 400-122217-2 MSD | DP-1 (17-18) | Total/NA | Solid | 5035 | |
| 400-122217-3 | DP-1 (19-20) | Total/NA | Solid | 5035 | |
| 400-122262-B-3-C MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 400-122262-B-3-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |
| LCS 400-308281/2-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCS 400-308281/3-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| MB 400-308281/1-A | Method Blank | Total/NA | Solid | 5035 | |

GC Semi VOA

Prep Batch: 308333

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Total/NA | Solid | 3546 | |
| 400-122217-2 | DP-1 (17-18) | Total/NA | Solid | 3546 | |
| 400-122217-3 | DP-1 (19-20) | Total/NA | Solid | 3546 | |
| 400-122217-4 | DP-1 (27-28) | Total/NA | Solid | 3546 | |
| 400-122218-A-7-B MS | Matrix Spike | Total/NA | Solid | 3546 | |
| 400-122218-A-7-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 3546 | |
| LCS 400-308333/22-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 400-308333/23-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 308869

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Total/NA | Solid | 8015B | 308333 |
| 400-122217-2 | DP-1 (17-18) | Total/NA | Solid | 8015B | 308333 |
| 400-122217-3 | DP-1 (19-20) | Total/NA | Solid | 8015B | 308333 |
| 400-122217-4 | DP-1 (27-28) | Total/NA | Solid | 8015B | 308333 |
| 400-122218-A-7-B MS | Matrix Spike | Total/NA | Solid | 8015B | 308333 |
| 400-122218-A-7-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B | 308333 |
| LCS 400-308333/22-A | Lab Control Sample | Total/NA | Solid | 8015B | 308333 |
| MB 400-308333/23-A | Method Blank | Total/NA | Solid | 8015B | 308333 |

HPLC/IC

Leach Batch: 308530

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 400-121955-A-1-E MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 400-121955-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| 400-122217-1 | DP-2 (16.5-17.5) | Soluble | Solid | DI Leach | |
| 400-122217-2 | DP-1 (17-18) | Soluble | Solid | DI Leach | |
| 400-122217-3 | DP-1 (19-20) | Soluble | Solid | DI Leach | |
| 400-122217-4 | DP-1 (27-28) | Soluble | Solid | DI Leach | |
| LCS 400-308530/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 400-308530/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| MB 400-308530/1-A | Method Blank | Soluble | Solid | DI Leach | |

QC Association Summary

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

TestAmerica Job ID: 400-122217-1

HPLC/IC (Continued)

Analysis Batch: 308790

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 400-121955-A-1-E MS | Matrix Spike | Soluble | Solid | 300.0 | 308530 |
| 400-121955-A-1-F MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 308530 |
| LCS 400-308530/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 308530 |
| LCSD 400-308530/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 308530 |
| MB 400-308530/1-A | Method Blank | Soluble | Solid | 300.0 | 308530 |

Analysis Batch: 309038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-122217-1 | DP-2 (16.5-17.5) | Soluble | Solid | 300.0 | 308530 |
| 400-122217-2 | DP-1 (17-18) | Soluble | Solid | 300.0 | 308530 |
| 400-122217-3 | DP-1 (19-20) | Soluble | Solid | 300.0 | 308530 |
| 400-122217-4 | DP-1 (27-28) | Soluble | Solid | 300.0 | 308530 |

General Chemistry

Analysis Batch: 307945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| 400-122216-A-1 DU | Duplicate | Total/NA | Solid | Moisture | |
| 400-122217-1 | DP-2 (16.5-17.5) | Total/NA | Solid | Moisture | |
| 400-122217-2 | DP-1 (17-18) | Total/NA | Solid | Moisture | |
| 400-122217-3 | DP-1 (19-20) | Total/NA | Solid | Moisture | |
| 400-122217-4 | DP-1 (27-28) | Total/NA | Solid | Moisture | |

QC Sample Results

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

TestAmerica Job ID: 400-122217-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 400-307464/2-A

Matrix: Solid

Analysis Batch: 307479

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-----------|-----------|---------------|-------|---|-----------------|-----------------|----------------|
| | Result | Qualifier | | | | | | |
| Gasoline Range Organics (GRO) C6-C10 | <5.0 | | 5.0 | mg/Kg | | 05/25/16 12:50 | 05/26/16 19:29 | 50 |
| Surrogate | MB | MB | Limits | | | Prepared | Analyzed | Dil Fac |
| | %Recovery | Qualifier | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 108 | | 65 - 125 | | | 05/25/16 12:50 | 05/26/16 19:29 | 50 |

Lab Sample ID: LCS 400-307464/1-A

Matrix: Solid

Analysis Batch: 307479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | MB | MB | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec. | Limits |
|--------------------------------------|-----------|-----------|----------------|---------------|------------------|------|---|-------|---------------|
| | Result | Qualifier | | | | | | | |
| Gasoline Range Organics (GRO) C6-C10 | | | 50.0 | 50.5 | mg/Kg | | | 101 | 62 - 141 |
| Surrogate | MB | MB | Limits | | | | | | |
| | %Recovery | Qualifier | | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 107 | | 65 - 125 | | | | | | |

Lab Sample ID: 400-122090-A-1-B MS

Matrix: Solid

Analysis Batch: 307480

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec. | Limits |
|--------------------------------------|-----------|-----------|---------------|--------|-----------|------|---|-------|---------------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Gasoline Range Organics (GRO) C6-C10 | <5.0 | | 50.0 | 48.0 | mg/Kg | | ⊗ | 96 | 10 - 150 |
| Surrogate | MS | MS | Limits | | | | | | |
| | %Recovery | Qualifier | | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 105 | | 65 - 125 | | | | | | |

Lab Sample ID: 400-122090-A-1-C MSD

Matrix: Solid

Analysis Batch: 307480

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec. | RPD |
|--------------------------------------|-----------|-----------|---------------|--------|-----------|------|---|-------|--------------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Gasoline Range Organics (GRO) C6-C10 | <5.0 | | 50.0 | 54.1 | mg/Kg | | ⊗ | 108 | 10 - 150 |
| Surrogate | MSD | MSD | Limits | | | | | | Limit |
| | %Recovery | Qualifier | | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 106 | | 65 - 125 | | | | | | 12 |

Lab Sample ID: MB 400-308281/1-A

Matrix: Solid

Analysis Batch: 308197

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Gasoline Range Organics (GRO) C6-C10 | <0.10 | | 0.10 | mg/Kg | | 06/01/16 12:00 | 06/01/16 15:00 | 1 |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-122217-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 400-308281/1-A

Matrix: Solid

Analysis Batch: 308197

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308281

| Surrogate | MB | MB | %Recovery | Qualifier | Limits |
|------------------------------|----|----|-----------|-----------|----------|
| | | | | | |
| a,a,a-Trifluorotoluene (fid) | | | 105 | | 65 - 125 |

Prepared: 06/01/16 12:00 **Analyzed:** 06/01/16 15:00 **Dil Fac:** 1

Lab Sample ID: LCS 400-308281/2-A

Matrix: Solid

Analysis Batch: 308197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | Sample | Sample | Spike | LCS | LCS | Unit | D | %Rec. | Limits |
|-------------------------------|------------|------------|-------|----------|-----------|-------|---|-------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Gasoline Range Organics (GRO) | | | 1.00 | 0.981 | | mg/Kg | | 98 | 62 - 141 |
| C6-C10 | | | | | | | | | |
| Surrogate | LCS | LCS | | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 103 | | | 65 - 125 | | | | | |

Lab Sample ID: 400-122262-B-3-C MS

Matrix: Solid

Analysis Batch: 308197

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec. | Limits |
|-------------------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Gasoline Range Organics (GRO) | <0.13 | | 1.33 | 1.15 | | mg/Kg | ⊗ | 86 | 10 - 150 |
| C6-C10 | | | | | | | | | |
| Surrogate | MS | MS | | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 105 | | 65 - 125 | | | | | | |

Lab Sample ID: 400-122262-B-3-D MSD

Matrix: Solid

Analysis Batch: 308197

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec. | Limits | RPD | Limit |
|-------------------------------|------------|------------|----------|--------|-----------|-------|---|-------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Gasoline Range Organics (GRO) | <0.13 | | 1.31 | 1.15 | | mg/Kg | ⊗ | 87 | 10 - 150 | 0 | 32 |
| C6-C10 | | | | | | | | | | | |
| Surrogate | MSD | MSD | | | | | | | | | |
| a,a,a-Trifluorotoluene (fid) | 102 | | 65 - 125 | | | | | | | | |

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 400-307464/2-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 307478

Prep Batch: 307464

| Analyte | MB | MB | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|----|--------|-----------|-------|-------|---|----------------|----------------|---------|
| | | | | | | | | | | |
| Benzene | <0.050 | | | | 0.050 | mg/Kg | | 05/25/16 12:50 | 05/26/16 19:29 | 50 |
| Ethylbenzene | <0.050 | | | | 0.050 | mg/Kg | | 05/25/16 12:50 | 05/26/16 19:29 | 50 |
| Toluene | <0.25 | | | | 0.25 | mg/Kg | | 05/25/16 12:50 | 05/26/16 19:29 | 50 |
| Xylenes, Total | <0.25 | | | | 0.25 | mg/Kg | | 05/25/16 12:50 | 05/26/16 19:29 | 50 |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-122217-1

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

Lab Sample ID: MB 400-307464/2-A

Matrix: Solid

Analysis Batch: 307478

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 307464

| Surrogate | MB | MB | %Recovery | Qualifier | Limits |
|------------------------------|----|----|-----------|-----------|----------|
| | | | | | |
| a,a,a-Trifluorotoluene (pid) | | | 102 | | 40 - 150 |

Prepared: 05/25/16 12:50 **Analyzed:** 05/26/16 19:29 **Dil Fac:** 50

Lab Sample ID: LCS 400-307464/8-A

Matrix: Solid

Analysis Batch: 307478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | Spike | LCS | LCS | Unit | D | %Rec. | Limits |
|----------------|-------|--------|-----------|-------|---|-------|----------|
| | Added | Result | Qualifier | | | | |
| Benzene | 2.50 | 2.53 | | mg/Kg | | 101 | 74 - 127 |
| Ethylbenzene | 2.50 | 2.56 | | mg/Kg | | 102 | 79 - 131 |
| Toluene | 2.50 | 2.57 | | mg/Kg | | 103 | 76 - 127 |
| Xylenes, Total | 7.50 | 7.73 | | mg/Kg | | 103 | 80 - 129 |

| Surrogate | LCS | LCS | %Recovery | Qualifier | Limits |
|------------------------------|-------|--------|-----------|-----------|----------|
| | Added | Result | | | |
| a,a,a-Trifluorotoluene (pid) | | 96 | | | 40 - 150 |

Lab Sample ID: 400-122217-4 MS

Matrix: Solid

Analysis Batch: 307478

Client Sample ID: DP-1 (27-28)

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec. | Limits |
|----------------|--------|-----------|-------|--------|-----------|-------|---|-------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| Benzene | 0.23 | | 2.97 | 3.61 | | mg/Kg | ⊗ | 114 | 10 - 150 |
| Ethylbenzene | 3.6 | F1 | 2.97 | 6.74 | | mg/Kg | ⊗ | 106 | 10 - 150 |
| Toluene | 1.8 | | 2.97 | 4.99 | | mg/Kg | ⊗ | 106 | 10 - 150 |
| Xylenes, Total | 13 | F1 | 8.92 | 22.5 | | mg/Kg | ⊗ | 103 | 50 - 150 |

| Surrogate | MS | MS | %Recovery | Qualifier | Limits |
|------------------------------|-------|--------|-----------|-----------|----------|
| | Added | Result | | | |
| a,a,a-Trifluorotoluene (pid) | | 92 | | | 40 - 150 |

Lab Sample ID: 400-122217-4 MSD

Matrix: Solid

Analysis Batch: 307478

Client Sample ID: DP-1 (27-28)

Prep Type: Total/NA

Prep Batch: 307464

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec. | Limits | RPD | Limit |
|----------------|--------|-----------|-------|--------|-----------|-------|---|-------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| Benzene | 0.23 | | 2.97 | 3.36 | | mg/Kg | ⊗ | 105 | 10 - 150 | 7 | 34 |
| Ethylbenzene | 3.6 | F1 | 2.97 | 6.22 | | mg/Kg | ⊗ | 88 | 10 - 150 | 8 | 66 |
| Toluene | 1.8 | | 2.97 | 4.63 | | mg/Kg | ⊗ | 94 | 10 - 150 | 7 | 44 |
| Xylenes, Total | 13 | F1 | 8.92 | 20.7 | | mg/Kg | ⊗ | 84 | 50 - 150 | 8 | 46 |

| Surrogate | MSD | MSD | %Recovery | Qualifier | Limits |
|------------------------------|-------|--------|-----------|-----------|----------|
| | Added | Result | | | |
| a,a,a-Trifluorotoluene (pid) | | 92 | | | 40 - 150 |

Lab Sample ID: MB 400-308281/1-A

Matrix: Solid

Analysis Batch: 308196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | MB | MB | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----|----|---------|-----------|--------|-------|---|----------------|----------------|---------|
| | | | | | | | | | | |
| Benzene | | | <0.0010 | | 0.0010 | mg/Kg | | 06/01/16 12:00 | 06/01/16 15:00 | 1 |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-122217-1

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

Lab Sample ID: MB 400-308281/1-A

Matrix: Solid

Analysis Batch: 308196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | MB | | RL | Unit | D | Prepared | | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|----------------|----------------|---------|
| | Result | Qualifier | | | | Prepared | Analyzed | |
| Ethylbenzene | <0.0010 | | 0.0010 | mg/Kg | 06/01/16 12:00 | 06/01/16 15:00 | 1 | |
| Toluene | <0.0050 | | 0.0050 | mg/Kg | 06/01/16 12:00 | 06/01/16 15:00 | 1 | |
| Xylenes, Total | <0.0050 | | 0.0050 | mg/Kg | 06/01/16 12:00 | 06/01/16 15:00 | 1 | |
| Surrogate | MB | | Limits | Prepared | Dil Fac | Prepared | | Dil Fac |
| | %Recovery | Qualifier | | | | 06/01/16 12:00 | 06/01/16 15:00 | |
| a,a,a-Trifluorotoluene (pid) | 102 | | 40 - 150 | | | | | 1 |

Lab Sample ID: LCS 400-308281/3-A

Matrix: Solid

Analysis Batch: 308196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | Spike | | LCS | LCS | Unit | D | %Rec | Limits | %Rec. |
|------------------------------|-----------|-----------|-----------|-------|------|----------|--------|--------|-------|
| | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Benzene | 0.0500 | 0.0510 | | mg/Kg | 102 | 74 - 127 | | | |
| Ethylbenzene | 0.0500 | 0.0500 | | mg/Kg | 100 | 79 - 131 | | | |
| Toluene | 0.0500 | 0.0508 | | mg/Kg | 102 | 76 - 127 | | | |
| Xylenes, Total | 0.150 | 0.149 | | mg/Kg | 99 | 80 - 129 | | | |
| Surrogate | LCS | | LCS | LCS | Unit | D | %Rec | Limits | %Rec. |
| | %Recovery | Qualifier | Limit | Limit | | | | | |
| a,a,a-Trifluorotoluene (pid) | 98 | | 40 - 150 | | | | | | |

Lab Sample ID: 400-122217-2 MS

Matrix: Solid

Analysis Batch: 308196

Client Sample ID: DP-1 (17-18)

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | Sample | | Spike | | MS | | Unit | D | %Rec | Limits | %Rec. |
|------------------------------|-----------|-----------|----------|--------|-----------|-------|------|--------|----------|--------|-------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Benzene | <0.0011 | | 0.0554 | 0.0511 | | mg/Kg | ⊗ | 92 | 10 - 150 | | |
| Ethylbenzene | <0.0011 | | 0.0554 | 0.0466 | | mg/Kg | ⊗ | 84 | 10 - 150 | | |
| Toluene | <0.0054 | | 0.0554 | 0.0494 | | mg/Kg | ⊗ | 89 | 10 - 150 | | |
| Xylenes, Total | <0.0054 | | 0.166 | 0.139 | | mg/Kg | ⊗ | 84 | 50 - 150 | | |
| Surrogate | MS | | MS | MS | Unit | D | %Rec | Limits | %Rec. | RPD | Limit |
| | %Recovery | Qualifier | Limit | Limit | | | | | | | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 40 - 150 | | | | | | | | |

Lab Sample ID: 400-122217-2 MSD

Matrix: Solid

Analysis Batch: 308196

Client Sample ID: DP-1 (17-18)

Prep Type: Total/NA

Prep Batch: 308281

| Analyte | Sample | | Spike | | MSD | | Unit | D | %Rec | Limits | RPD | Limit |
|------------------------------|-----------|-----------|----------|--------|-----------|-------|------|--------|----------|--------|-------|-------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Benzene | <0.0011 | | 0.0569 | 0.0578 | | mg/Kg | ⊗ | 102 | 10 - 150 | 12 | 34 | |
| Ethylbenzene | <0.0011 | | 0.0569 | 0.0558 | | mg/Kg | ⊗ | 98 | 10 - 150 | 18 | 66 | |
| Toluene | <0.0054 | | 0.0569 | 0.0577 | | mg/Kg | ⊗ | 101 | 10 - 150 | 16 | 44 | |
| Xylenes, Total | <0.0054 | | 0.171 | 0.166 | | mg/Kg | ⊗ | 97 | 50 - 150 | 18 | 46 | |
| Surrogate | MSD | | MSD | MSD | Unit | D | %Rec | Limits | RPD | Limit | | |
| | %Recovery | Qualifier | Limit | Limit | | | | | | | | |
| a,a,a-Trifluorotoluene (pid) | 102 | | 40 - 150 | | | | | | | | | |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-122217-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 400-308333/23-A

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308333

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| C10-C28 | <10 | | 10 | mg/Kg | | 06/02/16 09:32 | 06/07/16 20:12 | 1 |
| C28-C35 | <10 | | 10 | mg/Kg | | 06/02/16 09:32 | 06/07/16 20:12 | 1 |
| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac | | |
| | %Recovery | Qualifier | | | | | | |
| <i>o-Terphenyl</i> | 65 | | 27 - 151 | 06/02/16 09:32 | 06/07/16 20:12 | 1 | | |

Lab Sample ID: LCS 400-308333/22-A

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 308333

| Analyte | Spike | LCS | LCS | Unit | D | %Rec. | Limits | |
|--------------------|-----------|-----------|-----------|-------|---|-------|----------|--|
| | Added | Result | Qualifier | | | | | |
| C10-C28 | 338 | 305 | | mg/Kg | | 90 | 63 - 153 | |
| Surrogate | LCS | LCS | Limits | | | | | |
| | %Recovery | Qualifier | | | | | | |
| <i>o-Terphenyl</i> | 102 | | 27 - 151 | | | | | |

Lab Sample ID: 400-122218-A-7-B MS

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 308333

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec. | Limits |
|--------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| C10-C28 | <13 | F1 | 445 | 230 | F1 | mg/Kg | ⊗ | 52 | 62 - 204 |
| Surrogate | MS | MS | Limits | | | | | | |
| | %Recovery | Qualifier | | | | | | | |
| <i>o-Terphenyl</i> | 63 | | 27 - 151 | | | | | | |

Lab Sample ID: 400-122218-A-7-C MSD

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 308333

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec. | RPD |
|--------------------|-----------|-----------|----------|--------|-----------|-------|---|-------|----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| C10-C28 | <13 | F1 | 441 | 235 | F1 | mg/Kg | ⊗ | 53 | 62 - 204 |
| Surrogate | MSD | MSD | Limits | | | | | | Limit |
| | %Recovery | Qualifier | | | | | | | |
| <i>o-Terphenyl</i> | 63 | | 27 - 151 | | | | | | 30 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-308530/1-A

Matrix: Solid

Analysis Batch: 308790

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-------|---|----------------|----------|---------|
| | Result | Qualifier | | | | | | |
| Chloride | <20 | | 20 | mg/Kg | | 06/05/16 04:26 | | 1 |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-122217-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-308530/2-A

Matrix: Solid

Analysis Batch: 308790

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec. | | RPD | Limit |
|----------|-------------|--------|-----------|-------|---|-------|----------|-----|-------|
| | | Result | Qualifier | | | %Rec | Limits | | |
| Chloride | 100 | 97.4 | | mg/Kg | | 97 | 80 - 120 | | |

Lab Sample ID: LCSD 400-308530/3-A

Matrix: Solid

Analysis Batch: 308790

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec. | | RPD | Limit |
|----------|-------------|--------|-----------|-------|---|-------|----------|-----|-------|
| | | Result | Qualifier | | | %Rec | Limits | | |
| Chloride | 100 | 97.2 | | mg/Kg | | 97 | 80 - 120 | 0 | 15 |

Lab Sample ID: 400-121955-A-1-E MS

Matrix: Solid

Analysis Batch: 308790

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec. | | RPD |
|----------|--------|-----------|-------|--------|-----------|-------|---|-------|----------|-----|
| | Result | Qualifier | Added | Result | Qualifier | | | %Rec | Limits | |
| Chloride | 26 | | 112 | 136 | | mg/Kg | ⊗ | 98 | 80 - 120 | |

Lab Sample ID: 400-121955-A-1-F MSD

Matrix: Solid

Analysis Batch: 308790

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec. | | RPD |
|----------|--------|-----------|-------|--------|-----------|-------|---|-------|----------|-----|
| | Result | Qualifier | Added | Result | Qualifier | | | %Rec | Limits | |
| Chloride | 26 | | 112 | 138 | | mg/Kg | ⊗ | 101 | 80 - 120 | 2 |

TestAmerica Pensacola

Lab Chronicle

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-2 (16.5-17.5)

Lab Sample ID: 400-122217-1

Matrix: Solid

Date Collected: 05/22/16 13:20

Date Received: 05/26/16 09:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 307945 | 05/28/16 16:16 | LEC | TAL PEN |

Instrument ID: NOEQUIP

Client Sample ID: DP-2 (16.5-17.5)

Lab Sample ID: 400-122217-1

Matrix: Solid

Date Collected: 05/22/16 13:20

Date Received: 05/26/16 09:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.61 g | 5.0 g | 308281 | 06/01/16 12:00 | GRK | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 5.61 g | 5.0 g | 308197 | 06/02/16 03:01 | GRK | TAL PEN |
| | | Instrument ID: CH_RITA | | | | | | | | |
| Total/NA | Prep | 5035 | | | 5.61 g | 5.0 g | 308281 | 06/01/16 12:00 | GRK | TAL PEN |
| Total/NA | Analysis | 8021B | | 1 | 5.61 g | 5.0 g | 308196 | 06/02/16 03:01 | GRK | TAL PEN |
| | | Instrument ID: CH_RITA | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.35 g | 2.0 mL | 308333 | 06/02/16 09:32 | RDT | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 15.35 g | 2.0 mL | 308869 | 06/07/16 22:31 | RM | TAL PEN |
| | | Instrument ID: Eva | | | | | | | | |
| Soluble | Leach | DI Leach | | | 2.54 g | 50 mL | 308530 | 06/03/16 12:29 | TAJ | TAL PEN |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | | 309038 | 06/07/16 03:01 | TAJ | TAL PEN |
| | | Instrument ID: IC2 | | | | | | | | |

Client Sample ID: DP-1 (17-18)

Lab Sample ID: 400-122217-2

Matrix: Solid

Date Collected: 05/22/16 15:25

Date Received: 05/26/16 09:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 307945 | 05/28/16 16:16 | LEC | TAL PEN |

Instrument ID: NOEQUIP

Client Sample ID: DP-1 (17-18)

Lab Sample ID: 400-122217-2

Matrix: Solid

Date Collected: 05/22/16 15:25

Date Received: 05/26/16 09:27

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.30 g | 5.0 g | 308281 | 06/01/16 12:00 | GRK | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 5.30 g | 5.0 g | 308197 | 06/02/16 03:28 | GRK | TAL PEN |
| | | Instrument ID: CH_RITA | | | | | | | | |
| Total/NA | Prep | 5035 | | | 5.30 g | 5.0 g | 308281 | 06/01/16 12:00 | GRK | TAL PEN |
| Total/NA | Analysis | 8021B | | 1 | 5.30 g | 5.0 g | 308196 | 06/02/16 03:28 | GRK | TAL PEN |
| | | Instrument ID: CH_RITA | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.47 g | 2.0 mL | 308333 | 06/02/16 09:32 | RDT | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 15.47 g | 2.0 mL | 308869 | 06/07/16 22:42 | RM | TAL PEN |
| | | Instrument ID: Eva | | | | | | | | |

TestAmerica Pensacola

Lab Chronicle

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-1 (17-18)

Date Collected: 05/22/16 15:25
Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-2

Matrix: Solid
Percent Solids: 86.8

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble | Leach | DI Leach | | | 2.42 g | 50 mL | 308530 | 06/03/16 12:29 | TAJ | TAL PEN |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | | 309038 | 06/07/16 03:24 | TAJ | TAL PEN |

Client Sample ID: DP-1 (19-20)

Date Collected: 05/22/16 15:35
Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 307945 | 05/28/16 16:16 | LEC | TAL PEN |

Client Sample ID: DP-1 (19-20)

Date Collected: 05/22/16 15:35
Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-3

Matrix: Solid
Percent Solids: 75.6

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.33 g | 5.0 g | 308281 | 06/01/16 18:17 | GRK | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 5.33 g | 5.0 g | 308197 | 06/02/16 04:52 | GRK | TAL PEN |
| | | Instrument ID: CH_RITA | | | | | | | | |
| Total/NA | Prep | 5035 | | | 5.33 g | 5.0 g | 308281 | 06/01/16 18:17 | GRK | TAL PEN |
| Total/NA | Analysis | 8021B | | 1 | 5.33 g | 5.0 g | 308196 | 06/02/16 04:52 | GRK | TAL PEN |
| | | Instrument ID: CH_RITA | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.36 g | 2.0 mL | 308333 | 06/02/16 09:32 | RDT | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 15.36 g | 2.0 mL | 308869 | 06/07/16 22:52 | RM | TAL PEN |
| | | Instrument ID: Eva | | | | | | | | |
| Soluble | Leach | DI Leach | | | 2.59 g | 50 mL | 308530 | 06/03/16 12:29 | TAJ | TAL PEN |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | | 309038 | 06/07/16 03:47 | TAJ | TAL PEN |
| | | Instrument ID: IC2 | | | | | | | | |

Client Sample ID: DP-1 (27-28)

Date Collected: 05/22/16 16:30
Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-4

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | Moisture | | 1 | | | 307945 | 05/28/16 16:16 | LEC | TAL PEN |

TestAmerica Pensacola

Lab Chronicle

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

TestAmerica Job ID: 400-122217-1

Client Sample ID: DP-1 (27-28)

Date Collected: 05/22/16 16:30

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122217-4

Matrix: Solid

Percent Solids: 75.4

| Prep Type | Batch | Batch | Dil | Initial | Final | Batch | Prepared | | | |
|-----------|------------------------|----------|-----|---------|---------|--------|----------|----------------|---------|---------|
| | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.58 g | 5.0 g | 307464 | 06/01/16 17:00 | GRK | TAL PEN |
| Total/NA | Analysis | 8015B | | 250 | 5.58 g | 5.0 g | 307479 | 06/02/16 16:21 | GRK | TAL PEN |
| | Instrument ID: CH_RITA | | | | | | | | | |
| Total/NA | Prep | 5035 | | | 5.58 g | 5.0 g | 307464 | 06/01/16 17:00 | GRK | TAL PEN |
| Total/NA | Analysis | 8021B | | 50 | 5.58 g | 5.0 g | 307478 | 06/02/16 05:47 | GRK | TAL PEN |
| | Instrument ID: CH_RITA | | | | | | | | | |
| Total/NA | Prep | 3546 | | | 15.20 g | 2.0 mL | 308333 | 06/02/16 09:32 | RDT | TAL PEN |
| Total/NA | Analysis | 8015B | | 1 | 15.20 g | 2.0 mL | 308869 | 06/07/16 23:03 | RM | TAL PEN |
| | Instrument ID: Eva | | | | | | | | | |
| Soluble | Leach | DI Leach | | | 2.58 g | 50 mL | 308530 | 06/03/16 12:29 | TAJ | TAL PEN |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | | 309038 | 06/07/16 04:09 | TAJ | TAL PEN |
| | Instrument ID: IC2 | | | | | | | | | |

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 400-122217-1

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------------------|---------------|------------|------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-16 |
| Arizona | State Program | 9 | AZ0710 | 01-11-17 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-16 |
| California | ELAP | 9 | 2510 | 03-31-18 |
| Florida | NELAP | 4 | E81010 | 06-30-16 |
| Georgia | State Program | 4 | N/A | 06-30-16 |
| Illinois | NELAP | 5 | 200041 | 10-09-16 |
| Iowa | State Program | 7 | 367 | 07-31-16 |
| Kansas | NELAP | 7 | E-10253 | 07-31-16 * |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-16 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-16 |
| Louisiana | NELAP | 6 | 30976 | 06-30-16 |
| Maryland | State Program | 3 | 233 | 09-30-16 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-16 |
| Michigan | State Program | 5 | 9912 | 06-30-16 |
| New Jersey | NELAP | 2 | FL006 | 06-30-17 * |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-16 |
| Oklahoma | State Program | 6 | 9810 | 08-31-16 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-17 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-16 |
| South Carolina | State Program | 4 | 96026 | 06-30-16 |
| Tennessee | State Program | 4 | TN02907 | 06-30-16 |
| Texas | NELAP | 6 | T104704286-15-9 | 09-30-16 |
| USDA | Federal | | P330-13-00193 | 07-01-16 |
| Virginia | NELAP | 3 | 460166 | 06-14-16 |
| Washington | State Program | 10 | C915 | 05-15-17 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-16 |

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Method Summary

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

TestAmerica Job ID: 400-122217-1

| Method | Method Description | Protocol | Laboratory |
|----------|----------------------------------|----------|------------|
| 8015B | Gasoline Range Organics - (GC) | SW846 | TAL PEN |
| 8021B | Volatile Organic Compounds (GC) | SW846 | TAL PEN |
| 8015B | Diesel Range Organics (DRO) (GC) | SW846 | TAL PEN |
| 300.0 | Anions, Ion Chromatography | MCAWW | TAL PEN |
| Moisture | Percent Moisture | EPA | TAL PEN |

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-122217-1

Login Number: 122217

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

| 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. | N/A | |
| 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 | 1.8°C IR-6 |
| 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 (excluding tests with immediate HTs) | 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. | N/A | |

APPENDIX C



envirotech

Bill of Lading

MANIFEST # 54599
GENERATOR El Paso
POINT OF ORIGIN LINN RITH B# 24
TRANSPORTER SIARRA
DATE 5-25-16 JOB # 14D73-001G

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | TRANSPORTING COMPANY | | | | | | | | | |
|----------|--|--------------|-------------------|-----|------|----------------------|-------|-------|------------------|--|--|--|--|--|--|
| | DESTINATION | MATERIAL | GRID | YDS | BBLS | TKT# | TRK# | TIME | DRIVER SIGNATURE | | | | | | |
| 1 | LFII | cont Soil | K-1 | | 1 | — | 6 | 12:45 | Jean Edm | | | | | | |
| | Miles Federal Soil Investigation soil cuttings combined with soil cuttings from Lindrith B#24, totaling 1 Drum | | | | | 1 | | | | | | | | | |
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| RESULTS | | | LANDFARM EMPLOYEE | EL | | | NOTES | | | | | | | | |
| <282 | CHLORIDE TEST | 1 | Dean L | EL | | | | | | | | | | | |
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By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document.

DISTRIBUTION: White - Company Records. Yellow - Billing. Pink - Customer. Goldenrod - LF Copy

APPENDIX D

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: 400-120430-1

Client Project/Site: Miles Fed #1A

For:

MWH Americas Inc

11153 Aurora Avenue

Des Moines, Iowa 50322-7904

Attn: Steve Varsa



Authorized for release by:

5/3/2016 5:04:26 PM

Marty Edwards, Manager of Project Management

(850)474-1001

marty.edwards@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?

Ask
The
Expert

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.

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Definitions/Glossary

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

TestAmerica Job ID: 400-120430-1

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 | 11 |
| MDC | Minimum detectable concentration | 12 |
| MDL | Method Detection Limit | 13 |
| ML | Minimum Level (Dioxin) | 14 |
| 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 Fed #1A

TestAmerica Job ID: 400-120430-1

Job ID: 400-120430-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-120430-1

Comments

No additional comments.

Receipt

The samples were received on 4/19/2016 9:43 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

GC VOA

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 Fed #1A

TestAmerica Job ID: 400-120430-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-120430-1

No Detections.

Client Sample ID: MW-1

Lab Sample ID: 400-120430-2

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|------|---------|---|--------|-----------|
| Benzene | 81 | | 2.0 | ug/L | 2 | | 8021B | Total/NA |
| Ethylbenzene | 68 | | 2.0 | ug/L | 2 | | 8021B | Total/NA |
| Toluene | 99 | | 10 | ug/L | 2 | | 8021B | Total/NA |
| Xylenes, Total | 1100 | | 10 | ug/L | 2 | | 8021B | Total/NA |

Client Sample ID: MW-2

Lab Sample ID: 400-120430-3

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 400-120430-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

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

TestAmerica Job ID: 400-120430-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 400-120430-1 | TRIP BLANK | Water | 04/17/16 08:00 | 04/19/16 09:43 |
| 400-120430-2 | MW-1 | Water | 04/17/16 11:35 | 04/19/16 09:43 |
| 400-120430-3 | MW-2 | Water | 04/17/16 11:45 | 04/19/16 09:43 |
| 400-120430-4 | MW-3 | Water | 04/17/16 11:50 | 04/19/16 09:43 |

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TestAmerica Pensacola

Client Sample Results

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

TestAmerica Job ID: 400-120430-1

Client Sample ID: TRIP BLANK

Date Collected: 04/17/16 08:00

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|----------|----------------|----------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | 04/28/16 21:15 | | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | 04/28/16 21:15 | | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | 04/28/16 21:15 | | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | 04/28/16 21:15 | | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene (pid) | 98 | | 78 - 124 | | | 04/28/16 21:15 | | 1 |

Client Sample Results

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

TestAmerica Job ID: 400-120430-1

Client Sample ID: MW-1

Date Collected: 04/17/16 11:35

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|----------|----------------|----------|---------|
| Benzene | 81 | | 2.0 | ug/L | | 04/22/16 13:54 | | 2 |
| Ethylbenzene | 68 | | 2.0 | ug/L | | 04/22/16 13:54 | | 2 |
| Toluene | 99 | | 10 | ug/L | | 04/22/16 13:54 | | 2 |
| Xylenes, Total | 1100 | | 10 | ug/L | | 04/22/16 13:54 | | 2 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | 04/22/16 13:54 | | 2 |

Client Sample Results

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

TestAmerica Job ID: 400-120430-1

Client Sample ID: MW-2

Date Collected: 04/17/16 11:45

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|----------|----------------|----------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | 04/22/16 08:34 | | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | 04/22/16 08:34 | | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | 04/22/16 08:34 | | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | 04/22/16 08:34 | | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene (pid) | 110 | | 78 - 124 | | | 04/22/16 08:34 | | 1 |

Client Sample Results

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

TestAmerica Job ID: 400-120430-1

Client Sample ID: MW-3

Date Collected: 04/17/16 11:50

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|----------|----------------|----------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | 04/28/16 21:42 | | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | 04/28/16 21:42 | | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | 04/28/16 21:42 | | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | 04/28/16 21:42 | | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | 04/28/16 21:42 | | 1 |

QC Association Summary

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

TestAmerica Job ID: 400-120430-1

GC VOA

Analysis Batch: 302837

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-120371-B-2 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 400-120371-B-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |
| 400-120430-3 | MW-2 | Total/NA | Water | 8021B | |
| LCS 400-302837/1001 | Lab Control Sample | Total/NA | Water | 8021B | |
| MB 400-302837/2 | Method Blank | Total/NA | Water | 8021B | |

Analysis Batch: 302977

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-120367-A-2 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 400-120367-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |
| 400-120430-2 | MW-1 | Total/NA | Water | 8021B | |
| LCS 400-302977/1002 | Lab Control Sample | Total/NA | Water | 8021B | |
| MB 400-302977/4 | Method Blank | Total/NA | Water | 8021B | |

Analysis Batch: 303815

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-120430-1 | TRIP BLANK | Total/NA | Water | 8021B | |
| 400-120430-4 | MW-3 | Total/NA | Water | 8021B | |
| 400-120433-B-15 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 400-120433-B-15 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |
| LCS 400-303815/1001 | Lab Control Sample | Total/NA | Water | 8021B | |
| MB 400-303815/2 | Method Blank | Total/NA | Water | 8021B | |

QC Sample Results

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

TestAmerica Job ID: 400-120430-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 400-302837/2

Matrix: Water

Analysis Batch: 302837

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Benzene | <1.0 | | 1.0 | ug/L | | | 04/21/16 11:39 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 04/21/16 11:39 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 04/21/16 11:39 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 04/21/16 11:39 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 110 | | 78 - 124 | | 04/21/16 11:39 | 1 |

Lab Sample ID: LCS 400-302837/1001

Matrix: Water

Analysis Batch: 302837

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike | LCS | LCS | %Rec. | | | |
|----------------|-------|--------|-----------|-------|---|------|----------|
| | Added | Result | Qualifier | Unit | D | %Rec | |
| Benzene | 50.0 | 54.4 | | ug/L | | 109 | 85 - 115 |
| Ethylbenzene | 50.0 | 54.1 | | ug/L | | 108 | 85 - 115 |
| Toluene | 50.0 | 53.9 | | ug/L | | 108 | 85 - 115 |
| Xylenes, Total | 150 | 164 | | ug/L | | 109 | 85 - 115 |

| Surrogate | LCS | LCS | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 108 | | 78 - 124 | | | |

Lab Sample ID: 400-120371-B-2 MS

Matrix: Water

Analysis Batch: 302837

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS | MS | %Rec. | | |
|----------------|--------|-----------|-------|--------|-----------|-------|---|------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec |
| Benzene | <1.0 | | 50.0 | 42.7 | | ug/L | | 85 |
| Ethylbenzene | <1.0 | | 50.0 | 42.8 | | ug/L | | 86 |
| Toluene | <5.0 | | 50.0 | 43.4 | | ug/L | | 84 |
| Xylenes, Total | <5.0 | | 150 | 132 | | ug/L | | 85 |

| Surrogate | MS | MS | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | |

Lab Sample ID: 400-120371-B-2 MSD

Matrix: Water

Analysis Batch: 302837

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD | MSD | %Rec. | | |
|----------------|--------|-----------|-------|--------|-----------|-------|---|-----|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | RPD |
| Benzene | <1.0 | | 50.0 | 41.8 | | ug/L | | 2 |
| Ethylbenzene | <1.0 | | 50.0 | 42.5 | | ug/L | | 16 |
| Toluene | <5.0 | | 50.0 | 42.5 | | ug/L | | 2 |
| Xylenes, Total | <5.0 | | 150 | 130 | | ug/L | | 15 |

| Surrogate | MSD | MSD | Limits | Prepared | Analyzed | RPD |
|------------------------------|-----------|-----------|----------|----------|----------|-----|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-120430-1

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

Lab Sample ID: MB 400-302977/4

Matrix: Water

Analysis Batch: 302977

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

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Benzene | <1.0 | | 1.0 | ug/L | | | 04/22/16 12:59 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 04/22/16 12:59 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 04/22/16 12:59 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 04/22/16 12:59 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | 04/22/16 12:59 | 1 |

Lab Sample ID: LCS 400-302977/1002

Matrix: Water

Analysis Batch: 302977

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

| Analyte | Spike | LCS | LCS | %Rec. | | | |
|----------------|-------|--------|-----------|-------|---|------|----------|
| | Added | Result | Qualifier | Unit | D | %Rec | |
| Benzene | 50.0 | 49.3 | | ug/L | | 99 | 85 - 115 |
| Ethylbenzene | 50.0 | 49.7 | | ug/L | | 99 | 85 - 115 |
| Toluene | 50.0 | 49.5 | | ug/L | | 99 | 85 - 115 |
| Xylenes, Total | 150 | 149 | | ug/L | | 99 | 85 - 115 |

| Surrogate | LCS | LCS | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 99 | | 78 - 124 | | | |

Lab Sample ID: 400-120367-A-2 MS

Matrix: Water

Analysis Batch: 302977

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS | MS | %Rec. | | |
|----------------|--------|-----------|-------|--------|-----------|-------|---|------|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec |
| Benzene | <1.0 | | 50.0 | 44.0 | | ug/L | | 88 |
| Ethylbenzene | <1.0 | | 50.0 | 44.1 | | ug/L | | 88 |
| Toluene | <5.0 | | 50.0 | 44.4 | | ug/L | | 89 |
| Xylenes, Total | <5.0 | | 150 | 132 | | ug/L | | 88 |

| Surrogate | MS | MS | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | |

Lab Sample ID: 400-120367-A-2 MSD

Matrix: Water

Analysis Batch: 302977

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD | MSD | %Rec. | | |
|----------------|--------|-----------|-------|--------|-----------|-------|---|-----|
| | Result | Qualifier | Added | Result | Qualifier | Unit | D | RPD |
| Benzene | <1.0 | | 50.0 | 47.5 | | ug/L | | 8 |
| Ethylbenzene | <1.0 | | 50.0 | 47.8 | | ug/L | | 16 |
| Toluene | <5.0 | | 50.0 | 47.9 | | ug/L | | 8 |
| Xylenes, Total | <5.0 | | 150 | 144 | | ug/L | | 15 |

| Surrogate | MSD | MSD | Limits | Prepared | Analyzed | RPD |
|------------------------------|-----------|-----------|----------|----------|----------|-----|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-120430-1

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

Lab Sample ID: MB 400-303815/2

Matrix: Water

Analysis Batch: 303815

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Benzene | <1.0 | | 1.0 | ug/L | | | 04/28/16 04:24 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 04/28/16 04:24 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 04/28/16 04:24 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 04/28/16 04:24 | 1 |

| Surrogate | MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 103 | | 78 - 124 | | 04/28/16 04:24 | 1 |

Lab Sample ID: LCS 400-303815/1001

Matrix: Water

Analysis Batch: 303815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike | | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------------|-------|--------|------------|---------------|----------|---|------|--------|
| | Added | Result | | | | | | |
| Benzene | 50.0 | 51.8 | ug/L | 104 | 85 - 115 | | | |
| Ethylbenzene | 50.0 | 50.6 | ug/L | 101 | 85 - 115 | | | |
| Toluene | 50.0 | 51.5 | ug/L | 103 | 85 - 115 | | | |
| Xylenes, Total | 150 | 150 | ug/L | 100 | 85 - 115 | | | |

| Surrogate | LCS | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 101 | | 78 - 124 | | 04/28/16 04:24 | 1 |

Lab Sample ID: 400-120433-B-15 MS

Matrix: Water

Analysis Batch: 303815

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte | Sample | | Spike Added | MS | | Unit | D | %Rec | Limits |
|----------------|--------|-----------|-------------|--------|-----------|------|-----|----------|--------|
| | Result | Qualifier | | Result | Qualifier | | | | |
| Benzene | <1.0 | | 50.0 | 59.0 | | ug/L | 118 | 44 - 150 | |
| Ethylbenzene | <1.0 | | 50.0 | 52.3 | | ug/L | 105 | 70 - 142 | |
| Toluene | <5.0 | | 50.0 | 56.1 | | ug/L | 112 | 69 - 136 | |
| Xylenes, Total | <5.0 | | 150 | 156 | | ug/L | 104 | 68 - 142 | |

| Surrogate | MS | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 103 | | 78 - 124 | | 04/28/16 04:24 | 1 |

Lab Sample ID: 400-120433-B-15 MSD

Matrix: Water

Analysis Batch: 303815

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte | Sample | | Spike Added | MSD | | Unit | D | %Rec | Limits | RPD | Limit |
|----------------|--------|-----------|-------------|--------|-----------|------|-----|----------|--------|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | | | |
| Benzene | <1.0 | | 50.0 | 58.8 | | ug/L | 118 | 44 - 150 | 0 | 16 | |
| Ethylbenzene | <1.0 | | 50.0 | 57.4 | | ug/L | 115 | 70 - 142 | 9 | 16 | |
| Toluene | <5.0 | | 50.0 | 58.2 | | ug/L | 116 | 69 - 136 | 4 | 16 | |
| Xylenes, Total | <5.0 | | 150 | 172 | | ug/L | 115 | 68 - 142 | 9 | 15 | |

| Surrogate | MSD | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| a,a,a-Trifluorotoluene (pid) | 101 | | 78 - 124 | | 04/28/16 04:24 | 1 |

TestAmerica Pensacola

Lab Chronicle

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

TestAmerica Job ID: 400-120430-1

Client Sample ID: TRIP BLANK

Date Collected: 04/17/16 08:00

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 303815 | 04/28/16 21:15 | GRK | TAL PEN |

Instrument ID: CH_RITA

Client Sample ID: MW-1

Date Collected: 04/17/16 11:35

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 2 | 5 mL | 5 mL | 302977 | 04/22/16 13:54 | MKA | TAL PEN |

Instrument ID: CH_RITA

Client Sample ID: MW-2

Date Collected: 04/17/16 11:45

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 302837 | 04/22/16 08:34 | MKA | TAL PEN |

Instrument ID: ETHYL

Client Sample ID: MW-3

Date Collected: 04/17/16 11:50

Date Received: 04/19/16 09:43

Lab Sample ID: 400-120430-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 303815 | 04/28/16 21:42 | GRK | TAL PEN |

Instrument ID: CH_RITA

Laboratory References:

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

TestAmerica Pensacola

Certification Summary

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

TestAmerica Job ID: 400-120430-1

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------------------|---------------|------------|------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-16 |
| Arizona | State Program | 9 | AZ0710 | 01-11-17 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-16 |
| California | ELAP | 9 | 2510 | 03-31-18 |
| Florida | NELAP | 4 | E81010 | 06-30-16 |
| Georgia | State Program | 4 | N/A | 06-30-16 |
| Illinois | NELAP | 5 | 200041 | 10-09-16 |
| Iowa | State Program | 7 | 367 | 07-31-16 |
| Kansas | NELAP | 7 | E-10253 | 05-31-16 * |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-16 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-16 |
| Louisiana | NELAP | 6 | 30976 | 06-30-16 |
| Maryland | State Program | 3 | 233 | 09-30-16 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-16 |
| Michigan | State Program | 5 | 9912 | 06-30-16 |
| New Jersey | NELAP | 2 | FL006 | 06-30-16 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-16 |
| Oklahoma | State Program | 6 | 9810 | 08-31-16 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-17 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-16 |
| South Carolina | State Program | 4 | 96026 | 06-30-16 |
| Tennessee | State Program | 4 | TN02907 | 06-30-16 |
| Texas | NELAP | 6 | T104704286-15-9 | 09-30-16 |
| USDA | Federal | | P330-13-00193 | 07-01-16 |
| Virginia | NELAP | 3 | 460166 | 06-14-16 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-16 |

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Method Summary

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

TestAmerica Job ID: 400-120430-1

| Method | Method Description | Protocol | Laboratory |
|--------|---------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | 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

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-120430-1

Login Number: 120430

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

| 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. | N/A | |
| 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 | 2.9°C IR-2 |
| 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 (excluding tests with immediate HTs) | 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. | N/A | |

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: 400-128858-1

Client Project/Site: Miles Fed 1A

For:

MWH Americas Inc

1560 Broadway

Suite 1800

Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Madonna Myers

Authorized for release by:

10/28/2016 9:46:34 AM

Madonna Myers, Project Manager II

(615)796-1870

madonna.myers@testamericainc.com

Designee for

Carol Webb, Project Manager II

(850)471-6250

carol.webb@testamericainc.com

LINKS

Review your project
results through

Total Access

Have a Question?

Ask
The
Expert

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.

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Definitions/Glossary

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

TestAmerica Job ID: 400-128858-1

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 |
| 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 |
| 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) |

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Case Narrative

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

TestAmerica Job ID: 400-128858-1

Job ID: 400-128858-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-128858-1

Comments

No additional comments.

Receipt

The samples were received on 10/18/2016 9:11 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC 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.

Detection Summary

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

TestAmerica Job ID: 400-128858-1

Client Sample ID: MW-1

Lab Sample ID: 400-128858-1

| Analyte | Result | Qualifier | RL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|-----|------|---------|---|--------|-----------|
| Benzene | 56 | | 5.0 | ug/L | 5 | | 8021B | Total/NA |
| Ethylbenzene | 150 | | 5.0 | ug/L | 5 | | 8021B | Total/NA |
| Toluene | 72 | | 25 | ug/L | 5 | | 8021B | Total/NA |
| Xylenes, Total | 1300 | | 25 | ug/L | 5 | | 8021B | Total/NA |

Client Sample ID: MW-2

Lab Sample ID: 400-128858-2

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 400-128858-3

No Detections.

Client Sample ID: TB

Lab Sample ID: 400-128858-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

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

TestAmerica Job ID: 400-128858-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 400-128858-1 | MW-1 | Water | 10/15/16 10:51 | 10/18/16 09:11 |
| 400-128858-2 | MW-2 | Water | 10/15/16 10:54 | 10/18/16 09:11 |
| 400-128858-3 | MW-3 | Water | 10/15/16 11:01 | 10/18/16 09:11 |
| 400-128858-4 | TB | Water | 10/15/16 00:00 | 10/18/16 09:11 |

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TestAmerica Pensacola

Client Sample Results

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

TestAmerica Job ID: 400-128858-1

Client Sample ID: MW-1

Lab Sample ID: 400-128858-1

Date Collected: 10/15/16 10:51

Matrix: Water

Date Received: 10/18/16 09:11

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|----------|----------------|----------------|---------|
| Benzene | 56 | | 5.0 | ug/L | | | 10/26/16 20:13 | 5 |
| Ethylbenzene | 150 | | 5.0 | ug/L | | | 10/26/16 20:13 | 5 |
| Toluene | 72 | | 25 | ug/L | | | 10/26/16 20:13 | 5 |
| Xylenes, Total | 1300 | | 25 | ug/L | | | 10/26/16 20:13 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene (pid) | 97 | | 78 - 124 | | | 10/26/16 20:13 | 5 | |

Client Sample Results

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

TestAmerica Job ID: 400-128858-1

Client Sample ID: MW-2

Date Collected: 10/15/16 10:54
Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|---|----------|----------------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 00:42 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 00:42 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 10/26/16 00:42 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 10/26/16 00:42 | 1 |

Surrogate

a,a,a-Trifluorotoluene (pid)

%Recovery Qualifier Limits

103

78 - 124

Prepared

Analyzed

Dil Fac

10/26/16 00:42

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Client Sample Results

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

TestAmerica Job ID: 400-128858-1

Client Sample ID: MW-3

Date Collected: 10/15/16 11:01
Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-3

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|-----|------|---|----------|----------------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 01:10 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 01:10 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 10/26/16 01:10 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 10/26/16 01:10 | 1 |

Surrogate

a,a,a-Trifluorotoluene (pid)

%Recovery Qualifier Limits

103 78 - 124

Prepared

Analyzed

Dil Fac

10/26/16 01:10

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Client Sample Results

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

TestAmerica Job ID: 400-128858-1

Client Sample ID: TB

Date Collected: 10/15/16 00:00

Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|----------|----------------|----------------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 01:37 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 01:37 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 10/26/16 01:37 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 10/26/16 01:37 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac | |
| a,a,a-Trifluorotoluene (pid) | 100 | | 78 - 124 | | | 10/26/16 01:37 | 1 | |

QC Association Summary

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

TestAmerica Job ID: 400-128858-1

GC VOA

Analysis Batch: 328165

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-128858-2 | MW-2 | Total/NA | Water | 8021B | |
| 400-128858-3 | MW-3 | Total/NA | Water | 8021B | |
| 400-128858-4 | TB | Total/NA | Water | 8021B | |
| MB 400-328165/5 | Method Blank | Total/NA | Water | 8021B | |
| LCS 400-328165/1004 | Lab Control Sample | Total/NA | Water | 8021B | |
| 400-128742-A-2 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 400-128742-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |

Analysis Batch: 328444

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-128858-1 | MW-1 | Total/NA | Water | 8021B | |
| MB 400-328444/4 | Method Blank | Total/NA | Water | 8021B | |
| LCS 400-328444/1003 | Lab Control Sample | Total/NA | Water | 8021B | |
| 400-128919-B-2 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 400-128919-B-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |

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TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-128858-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 400-328165/5

Matrix: Water

Analysis Batch: 328165

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|-----|------|---|----------|----------------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | | 10/25/16 13:15 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 10/25/16 13:15 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 10/25/16 13:15 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 10/25/16 13:15 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| a,a,a-Trifluorotoluene (pid) | 101 | | 78 - 124 | | 10/25/16 13:15 | 1 |

Lab Sample ID: LCS 400-328165/1004

Matrix: Water

Analysis Batch: 328165

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|----------------|----------------|---------------|------------------|------|---|------|----------|
| Benzene | 50.0 | 49.0 | | ug/L | | 98 | 85 - 115 |
| Ethylbenzene | 50.0 | 48.4 | | ug/L | | 97 | 85 - 115 |
| Toluene | 50.0 | 49.5 | | ug/L | | 99 | 85 - 115 |
| Xylenes, Total | 150 | 145 | | ug/L | | 97 | 85 - 115 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| a,a,a-Trifluorotoluene (pid) | 97 | | 78 - 124 |

Lab Sample ID: 400-128742-A-2 MS

Matrix: Water

Analysis Batch: 328165

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. |
|----------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------|
| Benzene | <1.0 | | 50.0 | 56.6 | | ug/L | | 113 | 44 - 150 |
| Ethylbenzene | <1.0 | | 50.0 | 53.6 | | ug/L | | 107 | 70 - 142 |
| Toluene | <5.0 | | 50.0 | 55.3 | | ug/L | | 111 | 69 - 136 |
| Xylenes, Total | <5.0 | | 150 | 160 | | ug/L | | 106 | 68 - 142 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|-----------------|-----------------|----------|
| a,a,a-Trifluorotoluene (pid) | 101 | | 78 - 124 |

Lab Sample ID: 400-128742-A-2 MSD

Matrix: Water

Analysis Batch: 328165

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. | RPD | Limit |
|----------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------|-----|-------|
| Benzene | <1.0 | | 50.0 | 54.4 | | ug/L | | 109 | 44 - 150 | 4 | 16 |
| Ethylbenzene | <1.0 | | 50.0 | 51.3 | | ug/L | | 103 | 70 - 142 | 4 | 16 |
| Toluene | <5.0 | | 50.0 | 53.1 | | ug/L | | 106 | 69 - 136 | 4 | 16 |
| Xylenes, Total | <5.0 | | 150 | 153 | | ug/L | | 102 | 68 - 142 | 4 | 15 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| a,a,a-Trifluorotoluene (pid) | 105 | | 78 - 124 |

TestAmerica Pensacola

QC Sample Results

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

TestAmerica Job ID: 400-128858-1

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

Lab Sample ID: MB 400-328444/4

Matrix: Water

Analysis Batch: 328444

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

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|-----|------|---|----------|----------------|---------|
| Benzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 19:18 | 1 |
| Ethylbenzene | <1.0 | | 1.0 | ug/L | | | 10/26/16 19:18 | 1 |
| Toluene | <5.0 | | 5.0 | ug/L | | | 10/26/16 19:18 | 1 |
| Xylenes, Total | <5.0 | | 5.0 | ug/L | | | 10/26/16 19:18 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| a,a,a-Trifluorotoluene (pid) | 99 | | 78 - 124 | | 10/26/16 19:18 | 1 |

Lab Sample ID: LCS 400-328444/1003

Matrix: Water

Analysis Batch: 328444

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. |
|----------------|----------------|---------------|------------------|------|---|------|----------|
| Benzene | 50.0 | 48.0 | | ug/L | | 96 | 85 - 115 |
| Ethylbenzene | 50.0 | 47.2 | | ug/L | | 94 | 85 - 115 |
| Toluene | 50.0 | 48.0 | | ug/L | | 96 | 85 - 115 |
| Xylenes, Total | 150 | 141 | | ug/L | | 94 | 85 - 115 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| a,a,a-Trifluorotoluene (pid) | 101 | | 78 - 124 |

Lab Sample ID: 400-128919-B-2 MS

Matrix: Water

Analysis Batch: 328444

Client Sample ID: Matrix Spike
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. |
|----------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------|
| Benzene | <1.0 | | 50.0 | 59.5 | | ug/L | | 119 | 44 - 150 |
| Ethylbenzene | <1.0 | | 50.0 | 58.8 | | ug/L | | 118 | 70 - 142 |
| Toluene | <5.0 | | 50.0 | 59.6 | | ug/L | | 119 | 69 - 136 |
| Xylenes, Total | <5.0 | | 150 | 175 | | ug/L | | 117 | 68 - 142 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|-----------------|-----------------|----------|
| a,a,a-Trifluorotoluene (pid) | 102 | | 78 - 124 |

Lab Sample ID: 400-128919-B-2 MSD

Matrix: Water

Analysis Batch: 328444

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. | RPD | Limit |
|----------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------|-----|-------|
| Benzene | <1.0 | | 50.0 | 61.2 | | ug/L | | 122 | 44 - 150 | 3 | 16 |
| Ethylbenzene | <1.0 | | 50.0 | 60.0 | | ug/L | | 120 | 70 - 142 | 2 | 16 |
| Toluene | <5.0 | | 50.0 | 60.7 | | ug/L | | 121 | 69 - 136 | 2 | 16 |
| Xylenes, Total | <5.0 | | 150 | 179 | | ug/L | | 119 | 68 - 142 | 2 | 15 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| a,a,a-Trifluorotoluene (pid) | 105 | | 78 - 124 |

TestAmerica Pensacola

Lab Chronicle

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

TestAmerica Job ID: 400-128858-1

Client Sample ID: MW-1

Date Collected: 10/15/16 10:51

Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 5 | 5 mL | 5 mL | 328444 | 10/26/16 20:13 | GRK | TAL PEN |

Client Sample ID: MW-2

Date Collected: 10/15/16 10:54

Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 328165 | 10/26/16 00:42 | GRK | TAL PEN |

Client Sample ID: MW-3

Date Collected: 10/15/16 11:01

Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 328165 | 10/26/16 01:10 | GRK | TAL PEN |

Client Sample ID: TB

Date Collected: 10/15/16 00:00

Date Received: 10/18/16 09:11

Lab Sample ID: 400-128858-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 328165 | 10/26/16 01:37 | GRK | TAL PEN |

Laboratory References:

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

TestAmerica Pensacola

Certification Summary

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

TestAmerica Job ID: 400-128858-1

Laboratory: TestAmerica Pensacola

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|------------------------|---------------|------------|------------------|-----------------|
| Alabama | State Program | 4 | 40150 | 06-30-17 |
| Arizona | State Program | 9 | AZ0710 | 01-11-17 |
| Arkansas DEQ | State Program | 6 | 88-0689 | 09-01-17 |
| California | ELAP | 9 | 2510 | 03-31-18 |
| Florida | NELAP | 4 | E81010 | 06-30-17 |
| Georgia | State Program | 4 | N/A | 06-30-17 |
| Illinois | NELAP | 5 | 200041 | 10-09-17 |
| Iowa | State Program | 7 | 367 | 08-01-18 |
| Kansas | NELAP | 7 | E-10253 | 10-31-17 |
| Kentucky (UST) | State Program | 4 | 53 | 06-30-17 |
| Kentucky (WW) | State Program | 4 | 98030 | 12-31-16 |
| Louisiana | NELAP | 6 | 30976 | 06-30-17 |
| Maryland | State Program | 3 | 233 | 09-30-17 |
| Massachusetts | State Program | 1 | M-FL094 | 06-30-17 |
| Michigan | State Program | 5 | 9912 | 05-06-17 |
| New Jersey | NELAP | 2 | FL006 | 06-30-17 |
| North Carolina (WW/SW) | State Program | 4 | 314 | 12-31-16 |
| Oklahoma | State Program | 6 | 9810 | 08-31-17 |
| Pennsylvania | NELAP | 3 | 68-00467 | 01-31-17 |
| Rhode Island | State Program | 1 | LAO00307 | 12-30-16 |
| South Carolina | State Program | 4 | 96026 | 06-30-16 * |
| Tennessee | State Program | 4 | TN02907 | 06-30-17 |
| Texas | NELAP | 6 | T104704286-16-10 | 09-30-17 |
| USDA | Federal | | P330-16-00172 | 05-24-19 |
| Virginia | NELAP | 3 | 460166 | 06-14-17 |
| Washington | State Program | 10 | C915 | 05-15-17 |
| West Virginia DEP | State Program | 3 | 136 | 06-30-17 |

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Method Summary

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

TestAmerica Job ID: 400-128858-1

| Method | Method Description | Protocol | Laboratory |
|--------|---------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | 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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SERIAL NUMBER: 80876

TestAmerica

ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD

THE LEADER IN ENVIRONMENTAL TESTING

| | | | | | | | | | | | | |
|--|--|---|---|---|---|--|---|---|--|--|--|--|
| TestAmerica THE LEADER IN ENVIRONMENTAL TESTING | | | | | | ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD | | | | | | |
| CLIENT <i>Miles Fred</i> | | | ADDRESS 600 | | | PROJECT NO. <i>EPC GP</i> | | | CLIENT PROJECT MANAGER <i>Clint Chabrecking</i> | | | |
| PROJECT NAME <i>Miles Fred</i> | | PROJECT NO. <i>EPC GP</i> | CONTRACT # <i>ERG-NH-09-23-16-CWQ-01</i> | | CONTRACT # <i>ERG-NH-09-23-16-CWQ-01</i> | PROJECT LOC. (STATE) <i>NY</i> | | MATRIX <i>NonAqueous (Oil, Solvent etc.)</i> | | REQUESTED ANALYSIS <i>BTEx 80213</i> | | |
| SAMPLED BY <i>Miles Fred</i> | | ADDRESS 600 | CLIENT E-MAIL OR FAX <i>15.21042.99</i> | | CLIENT E-MAIL OR FAX <i>15.21042.99</i> | PRESERVATIVE <i>No Preservative</i> | | REQUESTED ANALYSIS <i>BTEx 80213</i> | | REQUESTED ANALYSIS <i>BTEx 80213</i> | | |
| CLIENT PHONE <i>15.21042.99</i> | | DATE REQUESTED: <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS <input type="checkbox"/> RUSH NEEDS LAB PREAPPROVAL <input type="checkbox"/> NORMAL 10 BUSINESS DAYS <input type="checkbox"/> OTHER: <i>See Contract</i> | TIME <i>—</i> | SAMPLE DISPOSAL: <input type="checkbox"/> SEE CONTRACT <input type="checkbox"/> OTHER: <input type="checkbox"/> RETURN TO CLIENT <input type="checkbox"/> DISPOSAL BY LAB | | TIME <i>—</i> | SAMPLE IDENTIFICATION <i>10/5/16 1051 MW-1</i> | | NUMBER OF CONTAINERS SUBMITTED <i>2</i> | | NUMBER OF CONTAINERS SUBMITTED <i>2</i> | |
| SAMPLE <i>10/5/16 1051 MW-1</i> | | DATE <i>10/5/16</i> | TIME <i>—</i> | | TIME <i>—</i> | SAMPLE IDENTIFICATION <i>10/5/16 1054 MW-2</i> | | NUMBER OF CONTAINERS SUBMITTED <i>2</i> | | NUMBER OF CONTAINERS SUBMITTED <i>2</i> | | |
| SAMPLE <i>10/5/16 1054 MW-2</i> | | DATE <i>10/5/16</i> | TIME <i>—</i> | | TIME <i>—</i> | SAMPLE IDENTIFICATION <i>10/5/16 1051 MW-3</i> | | NUMBER OF CONTAINERS SUBMITTED <i>2</i> | | NUMBER OF CONTAINERS SUBMITTED <i>2</i> | | |
| SAMPLE <i>10/5/16 1051 MW-3</i> | | DATE <i>10/5/16</i> | TIME <i>—</i> | | TIME <i>—</i> | SAMPLE IDENTIFICATION <i>10/5/16 TB</i> | | NUMBER OF CONTAINERS SUBMITTED <i>1</i> | | NUMBER OF CONTAINERS SUBMITTED <i>1</i> | | |
| LAB USE ONLY. SAMPLE NUMBER <i>10/5/16 1051 MW-1</i> | | | | | | | | | | | | |
| RECEIVED FOR LABORATORY BY: <i>John</i> | | DATE <i>10/5/16</i> | TIME <i>08:00</i> | | TIME <i>08:00</i> | REINQUISITED BY: (SIGNATURE) <i>John</i> | | DATE <i>10/11/16</i> | TIME <i>08:00</i> | | TIME <i>08:00</i> | |
| RECEIVED BY: (SIGNATURE) <i>John</i> | | DATE <i>10/5/16</i> | TIME <i>08:00</i> | | TIME <i>08:00</i> | REINQUISITED BY: (SIGNATURE) <i>John</i> | | DATE <i>10/11/16</i> | TIME <i>08:00</i> | | TIME <i>08:00</i> | |
| REMARKS: <i>10/5/16 1051 MW-1</i> | | | | | | | | | | | | |
| CUSTODY INTACT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | CUSTODY SEAL NO. | | LABORATORY USE ONLY | | CUSTODY INTACT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | CUSTODY SEAL NO. | | LABORATORY USE ONLY | | |
| ORDER LOG-IN NO.: C | | | | | | | | | | | | |
| | | | | | | PAGE 1 OF 1 | | | | | | |
| | | | | | | LAB USE ONLY. SAMPLE NUMBER <i>10/5/16 1051 MW-1</i> | | | | | | |

881-Atlanta

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-128858-1

Login Number: 128858

List Source: TestAmerica Pensacola

List Number: 1

Creator: Chambers, Cheryle A

| 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. | N/A | |
| 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 | 2.1°C IR6 |
| 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 (excluding tests with immediate HTs) | 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. | N/A | |