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2013 AGWMR

03 / 04 / 2014



MWH

BUILDING A BETTER WORLD

March 4, 2014

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2014 MAR -7 A 11: 23

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

RE: 2013 Annual Report Submittals
San Juan River Basin Program - Pit Sites

Dear Mr. von Gonten

On behalf of El Paso CGP Company (EPCGPC), MWH is submitting the enclosed 2013 Annual Reports for 18 of its remaining San Juan River Basin pit groundwater remediation sites. The reports present the 2013 sampling data and planned activities for 2014 at these sites.

If you have any questions concerning the enclosed reports, please contact either Joe Wiley (representing EPCGPC) at 713-420-3475 or me at 515-253-0830.

Sincerely,

David C. Wombacher
Principal Engineer

/mja:dcw:hls
Enclosures

cc: Bill Freeman – NNEPA, Shiprock, NM (Navajo Nation Lands, See Table 1)
Mark Kelly – BLM, Farmington, NM (Federal Lands, See Table 1)
Brandon Powell – NMOCD, Aztec, NM (all 18 reports)
Joe Wiley – EPCGP Company (all 18 reports, electronic)

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TABLE 1

REPORT LISTING AND LAND TYPE

SAN JUAN RIVER BASIN PROGRAM – PIT SITES

| METER or LINE ID | NMOCD CASE NO. | SITE NAME | Land Type |
|-----------------------------|---------------------------|----------------------------|------------------|
| 87640 | 3RP-155-0 | Canada Mesa #2 | Federal |
| 89961 | 3RP-170-0 | Fields A#7A | Federal |
| 73220 | 3RP-068-0 | Fogelson 4-1 Com. #14 | Federal |
| 95608 | 3RP-407-0 | Gallegos Canyon Unit #124E | Navajo |
| 03906 | 3RP-179-0 | GCU Com A #142E | State/Fee |
| 89894 | 3RP-186-0 | Hammond #41A | Federal |
| 94715 | 3RP-196-0 | James F. Bell #1E | Federal |
| 70194 | 3RP-201-0 | Johnston Fed #4 | State/Fee |
| 89232 | 3RP-202-0 | Johnston Fed #6A | Federal |
| LD072 | 3RP-204-0 | K27 LD072 | Federal |
| LD087 | 3RP-205-0 | K-31 Line Drip | State/Fee |
| 72556 | 3RP-207-0 | Knight #1 | State/Fee |
| LD174 | 3RP-212-0 | Lateral L 40 | Federal |
| LD151 | 3RP-213-0 | Lateral 0-21 Line Drip | Federal |
| 94810 | 3RP-223-0 | Miles Fed 1A | Federal |
| 89620 | 3RP-235-0 | Sandoval GC A #1A | Federal |
| 70445 | 3RP-074-0 | Standard Oil Com #1 | State/Fee |
| 71669 | 3RP-239-0 | State Gas Com N #1 | State/Fee |

2013 ANNUAL GROUNDWATER REPORT

Gallegos Canyon Unit #124E

Meter Code: 95608

T28N, R12W, Sec 35, Unit N

SITE DETAILS

Site Location: Latitude: 36.614105 N, Longitude: -108.083662 W

Land Type: Navajo

Operator: BP America Production Company

SITE BACKGROUND

- **Site Assessment:** 1/95
- **Excavation:** 10/95 (196 cy)

Gallegos Canyon Unit #124E (Site) is 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 BP America Production Company and is active.

The Site is located on Navajo Agricultural Products Industry land. Various site investigations have occurred from 1995 through 2012. Monitoring wells were installed in 1995 (MW-1) and 2013 (MW-2 through MW-7). Free product has historically been detected in MW-1 but no free product has been detected since 2003. Currently, groundwater sampling conducted on a semi-annual basis.

SUMMARY OF 2013 ACTIVITIES

In July 2013, a Site survey was completed to re-develop a base Site map, confirm the Site benchmark, and validate the elevation and location of monitoring well MW-1.

Six new wells (MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7) were drilled in October 2013, to further assess the extent of the dissolved phase hydrocarbons and to define the groundwater gradient at the Site. Ground surface and casing elevations of monitoring wells MW-1 and MW-2 through MW-7 (completed in October 2013), were again surveyed in November 2013, by a licensed surveyor using state plane coordinates.

Monitoring wells MW-2 through MW-7 were constructed of 2-inch diameter, schedule 40, 0.010-inch, continuous, factory-slotted PVC screen and schedule 40 blank PVC casing. The well screen was installed from 40 feet below ground surface (bgs) to 15 feet bgs and bisects the observed water table located at depths ranging from 25-27 feet below the top of the monitoring well casings during 2013 gauging events. A 3-foot seal of bentonite chips was placed above the sandpack and the remaining annular space filled with bentonite grout. The wells were completed as stick-up wells with locking protective casings and a concrete surface completion. Four protective bollards were installed around each new monitoring well. Borehole logs and well construction diagrams are provided in Appendix A

2013 ANNUAL GROUNDWATER REPORT

Gallegos Canyon Unit #124E

Meter Code: 95608

T28N, R12W, Sec 35, Unit N

Monitoring wells MW-3, MW-4, MW-5, and MW-6 were installed around the existing MW-1 in order to better delineate groundwater impacts from the former EPC pit. Monitoring well MW-2 was installed south of a former operator's drill pit, and monitoring well MW-7 was installed southwest between two previously completed soil borings (soil boring drilled in November 2000). Pertinent Site features and soil boring/monitoring well locations are shown on accompanying Figures 1-6.

During the drilling of soil borings associated with the installation of the wells completed in October 2013, the soil sample interval exhibiting the highest PID reading was collected and placed in a 4-ounce jar for laboratory analysis. Soil samples were analyzed for the presence of benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to EPA Method SW846 8260B, Total petroleum hydrocarbons using EPA Method SW846 9071, and Chlorides according to EPA Method 300. Sample jars were stored in an ice-filled cooler and shipped under standard chain of custody to Test America Laboratories in Corpus Christi, Texas. The soil sample laboratory analytical report is provided in Appendix B.

Monitoring well development was performed using a well swab and disposable bailer until all sediment was removed and visibly clear groundwater was observed. Purged groundwater was stored in a labeled 55-gallon drum and staged on-site along with the soil boring cuttings for later disposal by Safety-Kleen.

On June 4 and September 11, 2013, groundwater levels were gauged at MW-1, and groundwater samples were collected using a HydraSleeve™ (HydraSleeve); a disposable, no-purge passive groundwater sampling device. On December 15, 2013, MW-1, and new monitoring wells MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 were gauged and a groundwater sample was collected from MW-1 using a HydraSleeve. The HydraSleeve within MW-1 was set during the previous sampling event approximately 0.5 foot above the termination depth of each monitoring well using a suspension tether and weights to collect a sample from the screened interval. All new monitoring wells installed in October 2013 were purged and samples were collected with a 2 inch disposable bailer. HydraSleeves were set in wells without free product to be sampled at a future event. Groundwater samples were placed into laboratory supplied sample containers, packed on ice and shipped under standard chain of custody protocols to Test America Laboratories in Corpus Christi, Texas where they were analyzed for BTEX. Additional field parameters were collected including dissolved oxygen, temperature, conductivity, pH, and ORP using a YSI multi-parameter instrument. The de minimis water remaining in the HydraSleeve was combined in a waste container along with excess water from bailing activities and transferred to an off-site 55-gallon drum for later disposal by Safety-Kleen.

SUMMARY TABLES

Soil analytical results for samples from the MW-2 through MW-7 borings are presented in Table 1. Historic analytical and water level data are summarized in Table 2.

2013 ANNUAL GROUNDWATER REPORT

Gallegos Canyon Unit #124E

Meter Code: 95608

T28N, R12W, Sec 35, Unit N

SITE MAPS

Groundwater analytical results maps (Figures 1, 3, and 5) and groundwater elevation maps (Figures 2, 4, and 6) summarize the results of the 2013 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The soil and groundwater analytical lab reports are presented in Appendices B and C, respectively.

RESULTS

- Based on 2013 quarterly water level gauging events, the groundwater flow direction is generally to the west at the Site (see Figure 6).
- Concentrations of benzene (25, 33, and 87 µg/L) in groundwater collected from MW-1 remained above the New Mexico Water Quality Control Commission (NMWQCC) standard during each of the three 2013 quarterly sampling events. Concentrations of ethylbenzene and total xylenes remained significantly below standards for all three 2013 sampling events. Toluene was not detected in groundwater obtained from MW-1 during the three 2013 quarterly sampling events.
- BTEX constituents were not detected in MW-2 during the December 2013 sampling event.
- Concentrations of benzene, ethylbenzene, and total xylenes in groundwater collected from MW-3 were below NMWQCC standards during the December 2013 sampling event. Toluene was not detected in the collected groundwater in December 2013.
- BTEX constituents were not detected in g MW-4 during the December 2013 sampling event or were reported below the reporting limit (J-flagged).
- Concentrations of benzene, ethylbenzene, and total xylenes in groundwater collected from MW-5 were below NMWQCC standards during the December 2013 sampling event. Toluene was not detected in the collected groundwater in December 2013.
- BTEX constituents were not detected in groundwater collected from MW-6 during the December 2013 sampling event.
- BTEX constituents were not detected in groundwater collected from MW-7 during the December 2013 sampling event.

2013 ANNUAL GROUNDWATER REPORT

Gallegos Canyon Unit #124E

Meter Code: 95608

T28N, R12W, Sec 35, Unit N

- Based on the results of groundwater analyses from the wells installed in 2013, comprehensive coverage of the potential area where dissolved hydrocarbon concentrations could exist from the former release has been achieved. It does not appear that additional delineation of dissolved hydrocarbons is necessary at this time.
- Soil samples from the borings for new monitoring wells MW-2 through MW-7 were analyzed for BTEX, total petroleum hydrocarbons (TPH), and chloride. All samples were non-detect for benzene and toluene. Ethylbenzene was non detect at 4 of the sample locations with high reported concentration 0.24 milligrams/kilogram of soil (mg/kg) at MW-4. Xylenes were non detect or estimated at concentration below the reporting limit at 4 locations with a high concentration of 3.4 mg/kg at MW-4. TPH values ranged from 65 milligrams per kilogram of soil (mg/kg) at MW-2 to 590 mg/kg at MW-6. Chloride was detected below the reporting limit (J-flagged) at all locations except MW-5 where chloride was reported at 61 mg/kg.

PLANNED FUTURE ACTIVITIES

Monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 will be gauged and sampled on a semi-annual basis in 2014. Groundwater elevation and analytical data collected during 2014 will be evaluated and presented in the 2014 Annual Groundwater Report issued in early 2015. When BTEX concentrations in all wells are reported below the NMWQCC standards, groundwater sampling frequency will be increased to quarterly. After four consecutive quarters with no dissolved hydrocarbon concentrations are observed EPCGP will request site closure from NMOCD.

TABLES

TABLE 1 – SOIL SAMPLING ANALYTICAL RESULTS

TABLE 2 – GROUNDWATER ANALYTICAL AND WATER LEVEL RESULTS

TABLE 1 - SOIL ANALYTICAL RESULTS

| Gallegos Canyon Unit #124E | | | | | | | |
|----------------------------|----------|-----------------|-----------------|----------------------|-----------------------|-------------|------------------|
| Location | Date | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
| MW-2(19-20) | 10/31/13 | <0.00022 | <0.00087 | <0.00044 | <0.00048 | 65 | 35J |
| MW-3(25-26) | 10/30/13 | <0.019 | <0.0096 | 0.21 | 2.3 | 260 | 39J |
| MW-4(25-30) | 10/29/13 | <0.023 | <0.012 | 0.24 | 3.4 | 430 | 26J |
| MW-5(24-25) | 10/31/13 | <0.00024 | <0.00094 | <0.00024 | 0.0036J | 230 | 61 |
| MW-6(25-26) | 10/30/13 | <0.021 | <0.010 | <0.010 | <0.010 | 590 | 45J |
| MW-7(24-25) | 10/31/13 | <0.00021 | <0.00084 | <0.00042 | <0.00047 | 130 | 26J |

Notes:

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

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

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

| Gallegos Canyon Unit #124E | | | | | | | | |
|----------------------------|----------|-------------------|-------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) |
| NMWQCC Standards | | 10 | 750 | 750 | 620 | NA | NA | NA |
| MW-1 | 06/25/98 | 340 | 271 | 111 | 510 | 27.21 | - | - |
| MW-1 | 09/14/98 | 410 | 251 | 68.3 | 220 | 27.50 | - | - |
| MW-1 | 12/15/98 | 710 | 1300 | 160 | 940 | 28.16 | 27.61 | 0.55 |
| MW-1 | 03/16/99 | 2960 | 5130 | 367 | 2890 | 29.02 | 27.60 | 1.42 |
| MW-1 | 10/05/00 | | | | | 29.46 | 29.04 | 0.42 |
| MW-1 | 11/15/00 | | | | | 28.93 | 28.93 | 0.00 |
| MW-1 | 12/20/00 | | | | | 28.98 | - | - |
| MW-1 | 01/09/01 | | | | | 29.21 | 29.18 | 0.03 |
| MW-1 | 01/15/01 | | | | | 29.07 | 29.04 | 0.03 |
| MW-1 | 01/22/01 | | | | | 28.99 | - | - |
| MW-1 | 01/30/01 | | | | | 29.09 | - | - |
| MW-1 | 03/12/01 | | | | | 29.26 | - | - |
| MW-1 | 06/05/01 | | | | | 29.32 | 29.28 | 0.04 |
| MW-1 | 07/13/01 | | | | | 29.65 | - | - |
| MW-1 | 08/02/01 | | | | | 29.53 | - | - |
| MW-1 | 08/31/01 | | | | | 29.27 | - | - |
| MW-1 | 09/21/01 | | | | | 29.33 | - | - |
| MW-1 | 10/02/01 | | | | | 28.98 | - | - |
| MW-1 | 01/02/02 | | | | | 28.96 | 28.85 | 0.11 |
| MW-1 | 01/07/02 | | | | | 28.99 | 28.94 | 0.05 |
| MW-1 | 01/23/02 | | | | | 29.35 | 26.35 | 3.00 |
| MW-1 | 01/30/02 | | | | | 29.24 | 29.22 | 0.02 |
| MW-1 | 02/07/02 | | | | | 29.70 | 29.66 | 0.04 |
| MW-1 | 02/14/02 | | | | | 29.29 | 29.28 | 0.01 |
| MW-1 | 02/20/02 | | | | | 29.76 | 29.75 | 0.01 |
| MW-1 | 03/04/02 | | | | | 29.30 | - | - |
| MW-1 | 03/11/02 | | | | | 29.17 | - | - |
| MW-1 | 03/21/02 | | | | | 29.47 | - | - |
| MW-1 | 03/28/02 | | | | | 29.33 | - | - |
| MW-1 | 04/03/02 | | | | | 29.33 | - | - |
| MW-1 | 04/12/02 | | | | | 29.70 | - | - |
| MW-1 | 04/18/02 | | | | | 29.31 | - | - |
| MW-1 | 04/25/02 | | | | | 30.11 | - | - |
| MW-1 | 05/03/02 | | | | | 30.18 | - | - |
| MW-1 | 05/10/02 | | | | | 30.25 | - | - |
| MW-1 | 05/17/02 | | | | | 29.57 | - | - |
| MW-1 | 05/24/02 | | | | | 29.70 | - | - |
| MW-1 | 05/31/02 | | | | | 29.54 | - | - |
| MW-1 | 06/07/02 | | | | | 29.42 | - | - |
| MW-1 | 06/12/02 | | | | | 29.21 | - | - |
| MW-1 | 06/21/02 | | | | | 30.12 | - | - |
| MW-1 | 06/27/02 | | | | | 30.18 | - | - |
| MW-1 | 07/02/02 | | | | | 29.99 | 29.98 | 0.01 |
| MW-1 | 07/11/02 | | | | | 30.06 | - | - |
| MW-1 | 07/15/02 | | | | | 29.63 | - | - |
| MW-1 | 10/16/02 | | | | | 29.65 | 29.24 | 0.41 |
| MW-1 | 01/15/03 | | | | | 28.63 | - | - |
| MW-1 | 05/05/03 | | | | | 27.72 | 27.69 | 0.03 |
| MW-1 | 07/18/03 | | | | | 27.08 | 27.06 | 0.02 |
| MW-1 | 01/29/04 | | | | | 25.40 | - | - |
| MW-1 | 04/15/04 | | | | | 24.98 | - | - |
| MW-1 | 07/26/04 | | | | | 24.50 | - | - |
| MW-1 | 10/15/04 | | | | | 24.98 | - | - |
| MW-1 | 01/17/05 | | | | | 25.49 | - | - |
| MW-1 | 04/19/05 | 38.8 | <1 | 142 | 1160 | 25.45 | - | - |
| MW-1 | 07/20/05 | 125 | 11.4 | 371 | 2640 | 24.73 | - | - |

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

| Gallegos Canyon Unit #124E | | | | | | | | |
|----------------------------|----------|-------------------|-------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) |
| NMWQCC Standards | | 10 | 750 | 750 | 620 | NA | NA | NA |
| MW-1 | 10/20/05 | 86.8 | 11.3 | 125 | 864 | 24.85 | - | - |
| MW-1 | 01/19/06 | 77.9 | 12 | 101 | 656 | 24.53 | - | - |
| MW-1 | 04/24/06 | 45.1 | 3.5 J | 56.1 | 377 | 24.25 | - | - |
| MW-1 | 07/31/06 | 60.8 | 1.5 J | 79.3 | 524 | 25.68 | - | - |
| MW-1 | 10/24/06 | 21.1 | <1 | 56.6 | 349 | 24.94 | - | - |
| MW-1 | 01/19/07 | 22.4 | <1 | 60 | 367 | 26.33 | - | - |
| MW-1 | 04/24/07 | 30.3 | <1 | 60.6 | 407 | 25.97 | - | - |
| MW-1 | 07/31/07 | 35.3 | <2 | 68.4 | 416 | 26.26 | - | - |
| MW-1 | 10/25/07 | 9 | <1 | 33.2 | 173 | 26.44 | - | - |
| MW-1 | 01/28/08 | 6 | <2 | 41.6 | 210 | 26.67 | - | - |
| MW-1 | 04/23/08 | 14.1 | 0.59 J | 50.1 | 360 | 26.67 | - | - |
| MW-1 | 07/23/08 | 72.7 | 6.7 | 65.8 | 210 | 23.49 | - | - |
| MW-1 | 10/08/08 | 194 | <50 | 43.6 J | 328 | 22.30 | - | - |
| MW-1 | 01/07/09 | 281 | 6 J | 110 | 653 | 23.74 | - | - |
| MW-1 | 08/25/09 | 57.9 | 8.8 J | 58.4 | 298 | 26.65 | - | - |
| MW-1 | 11/03/09 | | | | | 25.62 | - | - |
| MW-1 | 02/15/10 | 98.3 | 4.1 | 80.6 | 385 | 25.93 | - | - |
| MW-1 | 05/24/10 | | | | | 19.47 | - | - |
| MW-1 | 09/27/10 | 159 | <2 | 56.4 | 348 | 19.78 | - | - |
| MW-1 | 11/01/10 | | | | | 19.82 | - | - |
| MW-1 | 02/01/11 | 109 | 0.28 J | 54.1 | 436 | 21.70 | - | - |
| MW-1 | 05/02/11 | | | | | 23.32 | - | - |
| MW-1 | 09/23/11 | 288 | <1 | 116 | 1020 | 24.71 | - | - |
| MW-1 | 02/22/12 | 255 | <5 | 145 | 853 | 23.51 | - | - |
| MW-1 | 05/07/12 | | | | | 24.20 | - | - |
| MW-1 | 06/04/13 | 33 | <0.60 | 11.0 | 0.86 | 25.87 | - | - |
| MW-1 | 09/11/13 | 25 | <0.30 | 9.8 | 8.9 | 25.74 | - | - |
| MW-1 | 12/15/13 | 87 | <0.30 | 50 | 100 | 25.67 | - | - |

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS

| Gallegos Canyon Unit #124E | | | | | | | | |
|--|----------|-------------------|-------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Location | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | Depth to Water (ft.) | Depth to LNAPL (ft.) | LNAPL Thickness (ft.) |
| NMWQCC Standards | | 10 | 750 | 750 | 620 | NA | NA | NA |
| MW-2 | 12/15/13 | <0.14 | <0.30 | <0.20 | <0.23 | 26.46 | - | - |
| MW-3 | 12/15/13 | 4.1 | <0.30 | 7.4 | 27 | 26.02 | - | - |
| MW-4 | 12/15/13 | <0.14 | <0.30 | 0.28 J | 1.4 J | 25.62 | - | - |
| MW-5 | 12/15/13 | 9.3 | <0.30 | 53 | 32 | 25.17 | - | - |
| MW-6 | 12/15/13 | <0.14 | <0.30 | <0.20 | 2.0 J | 25.48 | - | - |
| MW-7 | 12/15/13 | <0.14 | <0.30 | <0.20 | <0.23 | 25.34 | - | - |
| Notes: Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission 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). | | | | | | | | |

FIGURES

FIGURE 1: JUNE 6, 2013 GROUNDWATER ANALYTICAL RESULTS MAP

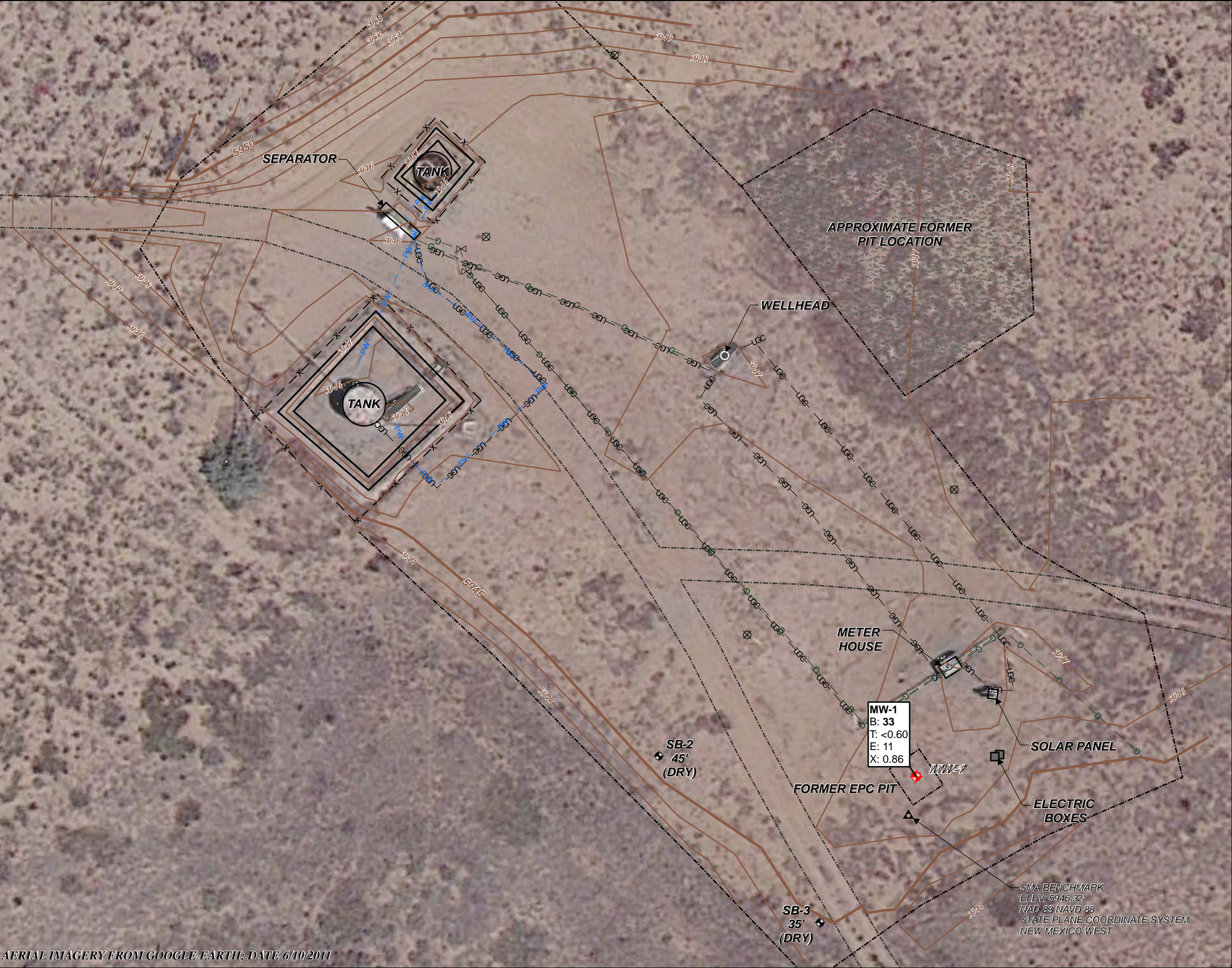
FIGURE 2: JUNE 6, 2013 GROUNDWATER ELEVATION MAP

FIGURE 3: SEPTEMBER 11, 2013 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 4: SEPTEMBER 11, 2013 GROUNDWATER ELEVATION MAP

FIGURE 5: DECEMBER 15, 2013 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 6: DECEMBER 15, 2013 GROUNDWATER ELEVATION MAP



AERIAL IMAGERY FROM GOOGLE EARTH; DATE 6/10/2011

LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- x— FENCE
- FORMER PIT
- PW— PRODUCED WATER LINE
- UGC— UNDERGROUND CABLE
- G— UNDERGROUND GAS LINE
- ▲ BENCHMARK
- ⊠ GAS VALVE
- ⊕ MONITORING WELL
- ⊙ SOIL BORING
- ⊗ RIG ANCHOR

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<0.30 = BELOW METHOD DETECTION LIMIT

| ANALYTE | NMWQCC STANDARDS |
|-------------------|------------------|
| B = Benzene | 10 µg/L |
| T = Toluene | 750 µg/L |
| E = Ethylbenzene | 750 µg/L |
| X = Total Xylenes | 620 µg/L |



| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
| A | 10/14/2013 | CCL | CCL | DAW |

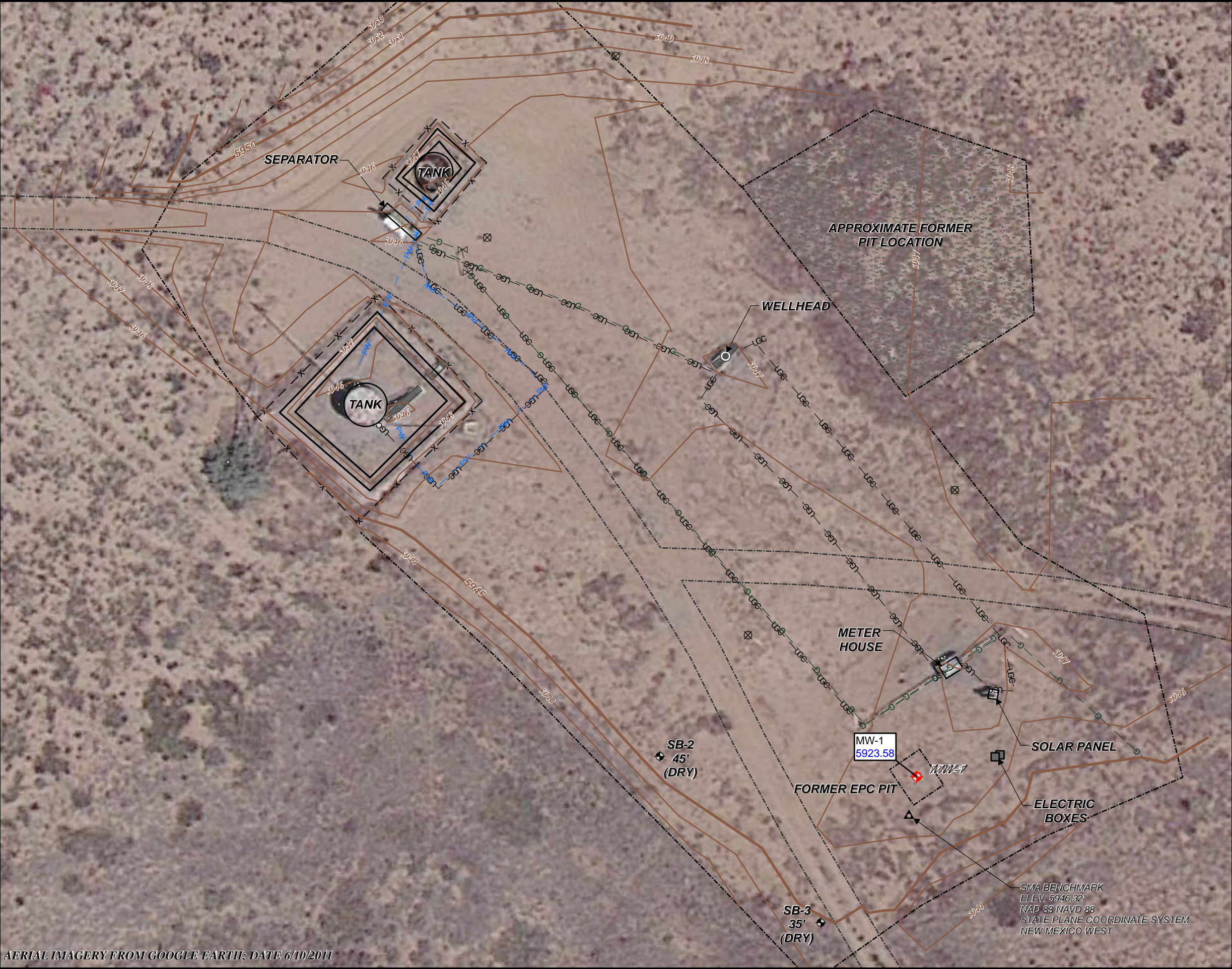
TITLE:
*GALLEGOS CANYON UNIT #124E
GROUNDWATER ANALYTICAL RESULTS
SAMPLED JUNE 4, 2013*

PROJECT:
*SAN JUAN RIVER BASIN
MONITORING AND REMEDIATION
SAN JUAN COUNTY, NEW MEXICO*



Figure No.:

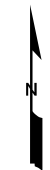
1



AERIAL IMAGERY FROM GOOGLE EARTH; DATE 6/10/2011

LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- FORMER PIT
- PW PRODUCED WATER LINE
- UG UNDERGROUND CABLE
- G UNDERGROUND GAS LINE
- BENCHMARK
- GAS VALVE
- MONITORING WELL
- SOIL BORING
- RIG ANCHOR



| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
| A | 10/14/2013 | CCL | CCL | DAW |

TITLE: GALLEGOS CANYON UNIT #124E
GROUNDWATER ELEVATION MAP
SAMPLED JUNE 4, 2013

PROJECT: SAN JUAN RIVER BASIN
MONITORING AND REMEDIATION
SAN JUAN COUNTY, NEW MEXICO



Figure No.:

2



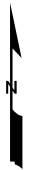
AERIAL IMAGERY FROM GOOGLE EARTH; DATE 6/10/2011

LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- x— FENCE
- FORMER PIT
- PW— PRODUCED WATER LINE
- UGC— UNDERGROUND CABLE
- G— UNDERGROUND GAS LINE
- ▲ BENCHMARK
- ⊠ GAS VALVE
- ⊕ MONITORING WELL
- ⊙ SOIL BORING
- ⊗ RIG ANCHOR

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<0.30 = BELOW METHOD DETECTION LIMIT

| ANALYTE | NMWQCC STANDARDS |
|-------------------|------------------|
| B = Benzene | 10 µg/L |
| T = Toluene | 750 µg/L |
| E = Ethylbenzene | 750 µg/L |
| X = Total Xylenes | 620 µg/L |



| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
| A | 10/14/2013 | CCL | CCL | DAW |

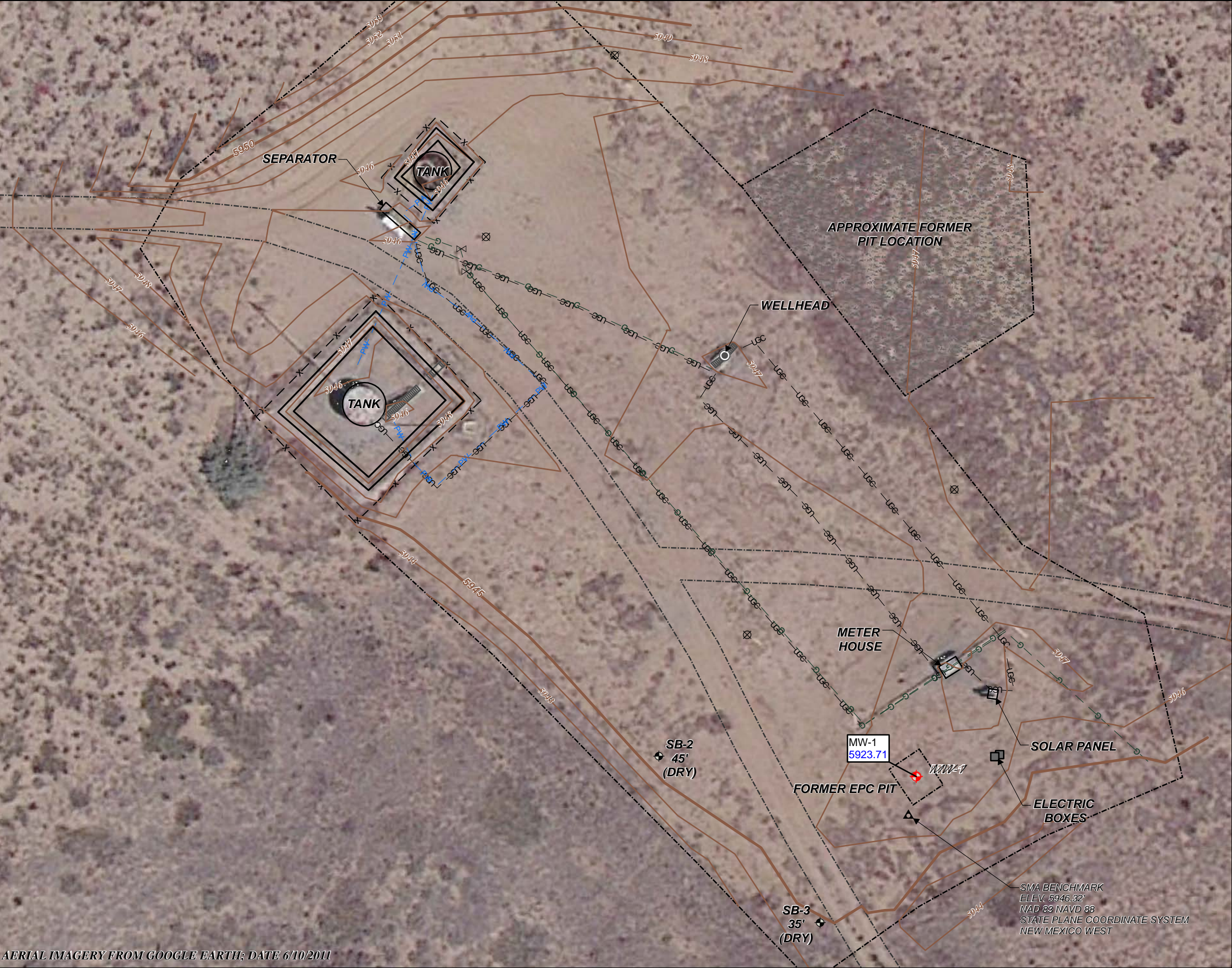
TITLE: GALLEGOS CANYON UNIT #124E
GROUNDWATER ANALYTICAL RESULTS
SAMPLED SEPTEMBER 11, 2013

PROJECT: SAN JUAN RIVER BASIN
MONITORING AND REMEDIATION
SAN JUAN COUNTY, NEW MEXICO



Figure No.:

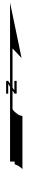
3



AERIAL IMAGERY FROM GOOGLE EARTH; DATE 6/10/2011

LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FENCE
- FORMER PIT
- PW PRODUCED WATER LINE
- UG UNDERGROUND CABLE
- G UNDERGROUND GAS LINE
- BENCHMARK
- GAS VALVE
- MONITORING WELL
- SOIL BORING
- RIG ANCHOR



| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
| A | 10/14/2013 | CCL | CCL | DAW |

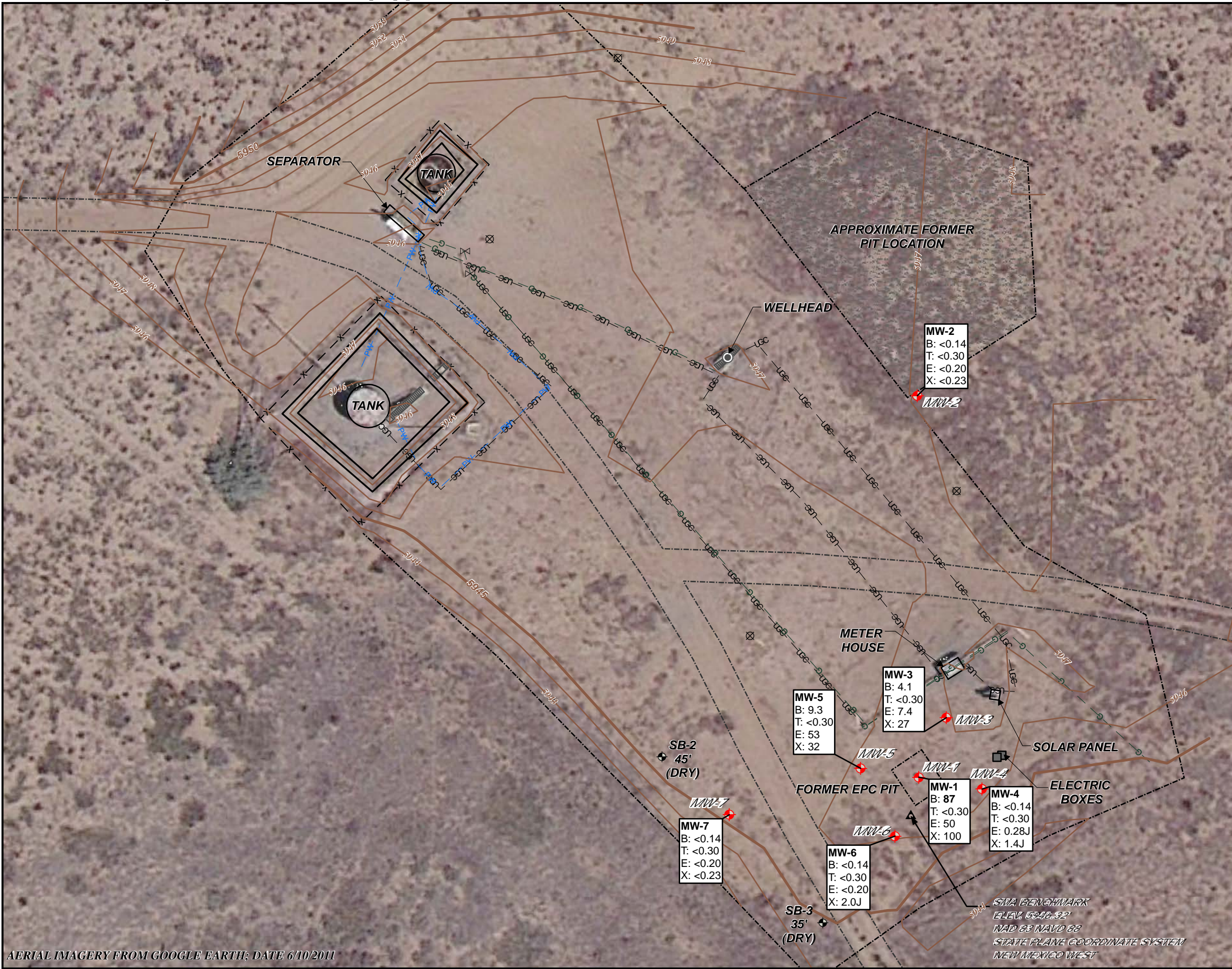
TITLE: GALLEGOS CANYON UNIT #124E
GROUNDWATER ELEVATION MAP
SAMPLED SEPTEMBER 11, 2013

PROJECT: SAN JUAN RIVER BASIN
MONITORING AND REMEDIATION
SAN JUAN COUNTY, NEW MEXICO



Figure No.:

4



AERIAL IMAGERY FROM GOOGLE EARTH; DATE 6/10/2011

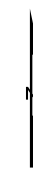
LEGEND:

- 5795** APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- x- FENCE
- FORMER PIT
- PW- PRODUCED WATER LINE
- UG- UNDERGROUND CABLE
- G- UNDERGROUND GAS LINE
- ▲ BENCHMARK
- ⊠ GAS VALVE
- MONITORING WELL
- ⊕ SOIL BORING
- ⊗ RIG ANCHOR

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<0.30 = BELOW METHOD DETECTION LIMIT

| ANALYTE | NMWQCC STANDARDS |
|-------------------|------------------|
| B = Benzene | 10 µg/L |
| T = Toluene | 750 µg/L |
| E = Ethylbenzene | 750 µg/L |
| X = Total Xylenes | 620 µg/L |



| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
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| A | 1/12/2014 | CCZ | CCZ | DAW |

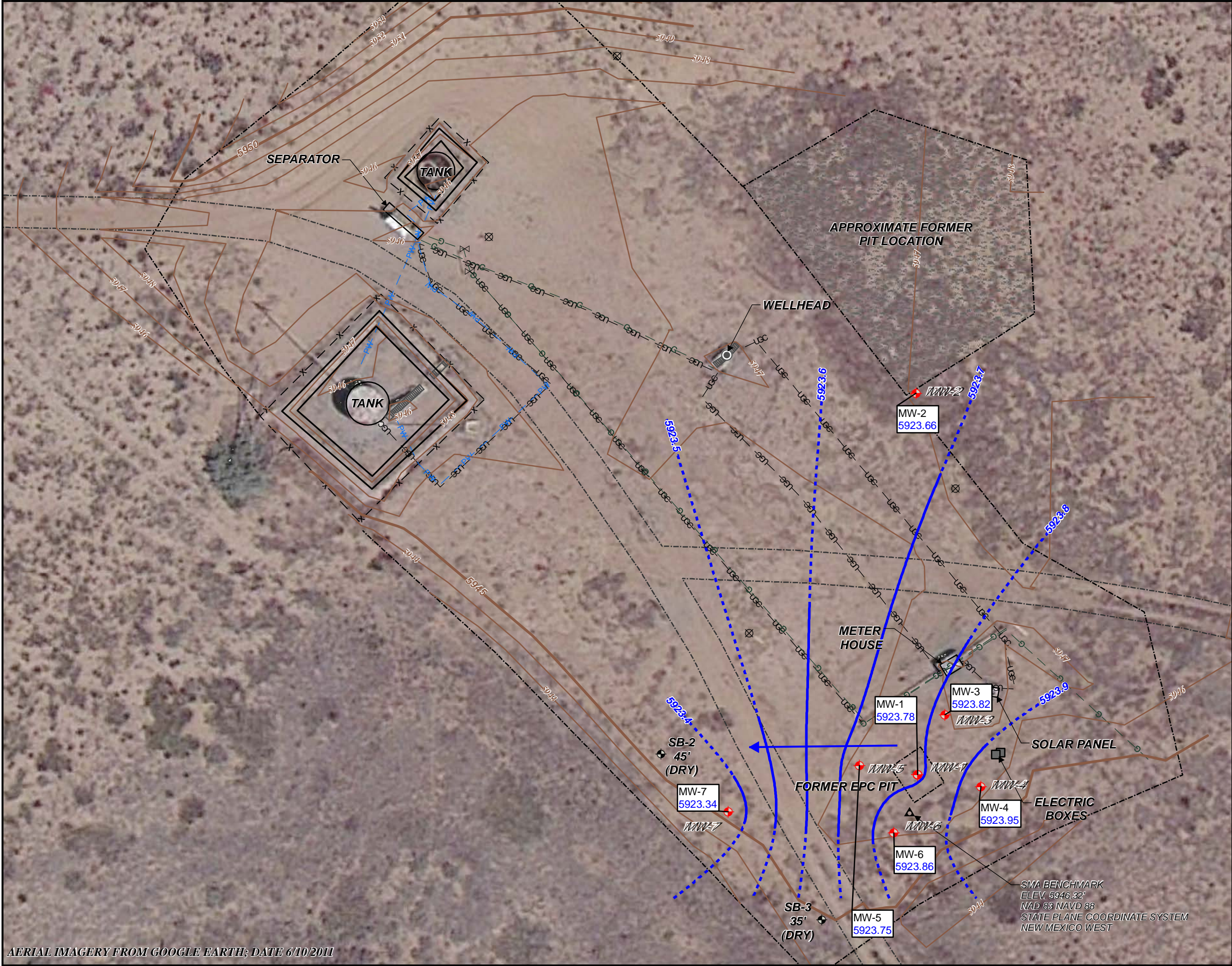
TITLE: GALLEGOS CANYON UNIT #124E
GROUNDWATER ANALYTICAL RESULTS
SAMPLED DECEMBER 15, 2013

PROJECT: SAN JUAN RIVER BASIN
MONITORING AND REMEDIATION
SAN JUAN COUNTY, NEW MEXICO



Figure No.:

5



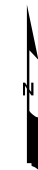
AERIAL IMAGERY FROM GOOGLE EARTH; DATE 6/10/2011

LEGEND:

- 5795— APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- X— FENCE
- FORMER PIT
- PW— PRODUCED WATER LINE
- UGC— UNDERGROUND CABLE
- G— UNDERGROUND GAS LINE
- ▲ BENCHMARK
- ⊠ GAS VALVE
- MONITORING WELL
- ⊕ SOIL BORING
- ⊗ RIG ANCHOR

NOTES:

- 5367.84 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL
- 5367-76- CORRECTED WATER LEVEL ELEVATION CONTOUR
DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.5 FOOT CONTOUR INTERVAL)
- DIRECTION OF GROUNDWATER FLOW



| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|-----------|-----------|----------|-------------|
| A | 1/16/2014 | CZL | CZL | DAW |

TITLE: GALLEGOS CANYON UNIT #124E
GROUNDWATER ELEVATION MAP
SAMPLED DECEMBER 15, 2013

PROJECT: SAN JUAN RIVER BASIN
MONITORING AND REMEDIATION
SAN JUAN COUNTY, NEW MEXICO



Figure No.:
6

SMA BENCHMARK
ELEV. 5946.32'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO WEST

APPENDICES

APPENDIX A – BOREHOLE AND WELL CONSTRUCTION LOGS

APPENDIX B – NOVEMBER SOIL SAMPLING ANALYTICAL REPORT

APPENDIX C - JUNE 6, 2013 GROUNDWATER SAMPLING ANALYTICAL REPORT

SEPTEMBER 11, 2013 GROUNDWATER SAMPLING ANALYTICAL REPORT

DECEMBER 15, 2013 GROUNDWATER SAMPLING ANALYTICAL REPORT

APPENDIX A

MW-2

MW-3

MW-4

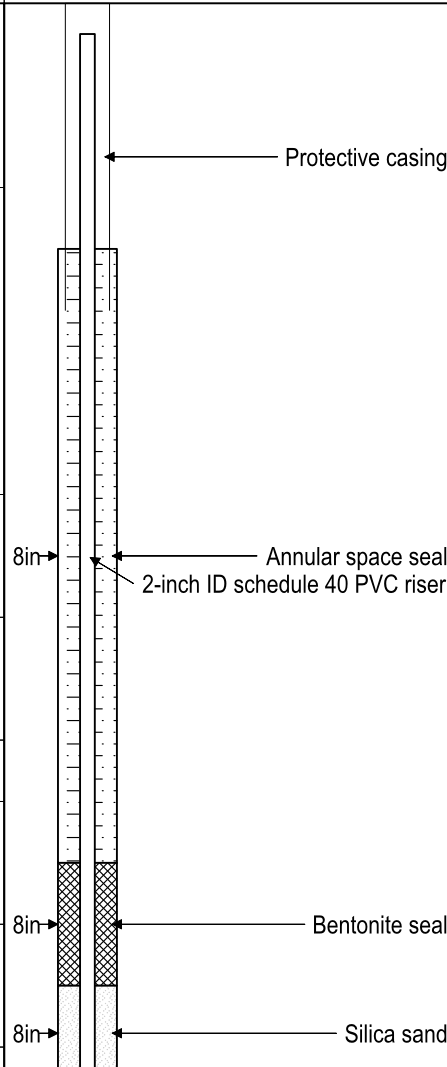
MW-5

MW-6


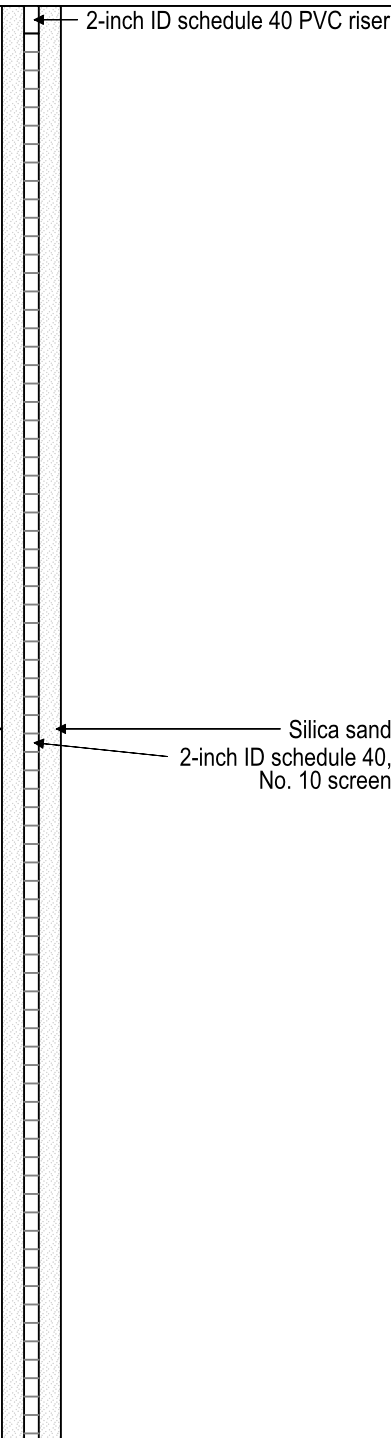
MW-7


| | |
|------------------------------------|--------------------------------------|
| GEOLOGIST: Doug Burr | COMPLETION DATE: October 31, 2013 |
| DRILLER: Miguel Alveredo | GROUND SURFACE ELEV (ft MSL) 5947.3 |
| DRILLING COMPANY: National | TOP OF CASING ELEV (ft, MSL) 5950.1 |
| DRILLING METHOD: Hollow Stem Auger | STATE PLANE COORDINATES (ft) |
| HOLE DIAMETER (IN): 8.0 | Northing 2042957.1 Easting 2649677.6 |

Groundwater seepage encountered at 27-35 ft depth during drilling.
Soil colors classified using the Munsell soil color charts

| SOIL DESCRIPTION | COMMENTS | DEPTH (ft) | LITHOLOGY | SOIL | RECOVERY | PID/OVA (ppm) | WELL CONSTRUCTION |
|---|--|------------|-----------|------|----------|---------------|---|
| | | 0 | | | | NA |  <p>Protective casing</p> <p>Annular space seal</p> <p>2-inch ID schedule 40 PVC riser</p> <p>Bentonite seal</p> <p>Silica sand</p> |
| Silty sand, yellowish brown 10YR 4/6, loose, moist, no cementation, low plasticity, poorly graded. | - Hand augered to 5' bgs (no sample recovered) | 2 | | | | | |
| | | 4 | | | | | |
| | | 6 | | SM | 100% | 0.8 | |
| Poorly graded sand, light olive brown, 2.5Y 5/3, very loose moist, fine - medium sand, no cementation, abundant quartz. | | 8 | | SP | 100% | 0.9 | |
| | | 10 | | | 100% | 0.8 | |
| | | 12 | | | 100% | 1.4 | |
| | | 14 | | | 50% | 1 | |
| | | | | | | 0.7 | |
| | | | | | | | |
| LOG & RECORD OF WELL CONSTRUCTION MW-2 | | | | | | | Page 1 of 3 |
| Gallegos Canyon Unit #124E | | | | | | | |



| SOIL DESCRIPTION | COMMENTS | DEPTH (ft) | LITHOLOGY | SOIL | RECOVERY | PID/OVA (ppm) | WELL CONSTRUCTION |
|---|--|------------|--|------|----------|---------------|--|
| <p>Silt with sand, light olive brown 2.5Y 5/3, strongly consolidated, lowered plasticity, sands are very fine, moist.</p> | <p>- sampled GCU #124 MW-2 - 19' collected at 1430</p> <p>- as above, iron oxide staining present</p> <p>- color change to brownish yellow 10YR 6/8, trace silt</p> <p>- increasing moisture content, moist to wet</p> <p>- color change to light gray 2.5Y 7/1, sand is saturated</p> | 16 |  | SP | 100% | 0.7 |  |
| | | | | | 50% | 0.5 | |
| | | 18 | | | 75% | 2.1 | |
| | | 20 | | | 100% | 5.1 | |
| | | | | | 50% | 4.2 | |
| | | 22 | | | 75% | 1.7 | |
| | | 24 | | | 100% | 2.3 | |
| | | 26 | | | 75% | 2.2 | |
| | | 28 | | | 50% | 1.6 | |
| | | 30 | | | 100% | 1.2 | |
| | | | | | 50% | 1.5 | |
| | | 32 | | | 50% | 0.7 | |
| | | 34 | | | 100% | 0.7 | |
| | | | | | 75% | 3.8 | |
| | | | | | | 4.8 | |
| LOG & RECORD OF WELL CONSTRUCTION MW-2 | | | | | | | |
| Gallegos Canyon Unit #124E | | | | | | | |

 MWH

Page 2 of 3

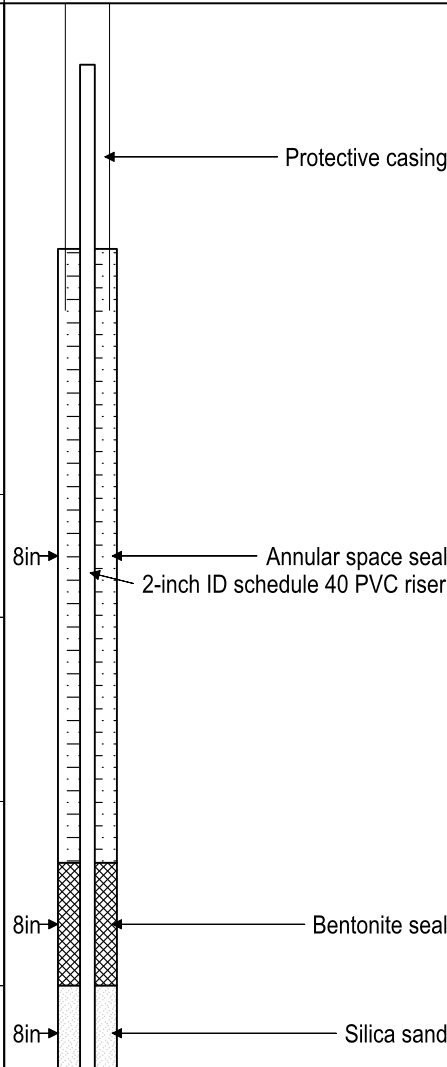

| | |
|------------------------------------|--------------------------------------|
| GEOLOGIST: Doug Burr | COMPLETION DATE: October 30, 2013 |
| DRILLER: Miguel Alveredo | GROUND SURFACE ELEV (ft MSL) 5947.0 |
| DRILLING COMPANY: National | TOP OF CASING ELEV (ft, MSL) 5949.8 |
| DRILLING METHOD: Hollow Stem Auger | STATE PLANE COORDINATES (ft) |
| HOLE DIAMETER (IN): 8.0 | Northing 2042857.1 Easting 2649686.6 |

Groundwater seepage encountered at none noted ft depth during drilling.
Soil colors classified using the Munsell soil color charts


| SOIL DESCRIPTION | COMMENTS | DEPTH (ft) | LITHOLOGY | SOIL | RECOVERY | PID/OVA (ppm) | WELL CONSTRUCTION |
|--|--------------------------|------------|-----------|------|----------|---------------|--|
| Recovered sample from 0'-5' just outside of boring. Silty sand, dark yellowish brown, 10YR 4/6, loose, medium-fine sand, no cementation, non-plastic, poorly graded. | - Hand augered to 5' bgs | 0 | SM | 100% | 0.6 | 8in | 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| | |
|------------------------------------|--------------------------------------|
| GEOLOGIST: Doug Burr | COMPLETION DATE: October 28, 2013 |
| DRILLER: Miguel Alveredo | GROUND SURFACE ELEV (ft MSL) 5946.7 |
| DRILLING COMPANY: National | TOP OF CASING ELEV (ft, MSL) 5949.6 |
| DRILLING METHOD: Hollow Stem Auger | STATE PLANE COORDINATES (ft) |
| HOLE DIAMETER (IN): 8.0 | Northing 2042834.9 Easting 2649697.7 |

Groundwater seepage encountered at none noted ft depth during drilling.
Soil colors classified using the Munsell soil color charts

| SOIL DESCRIPTION | COMMENTS | DEPTH (ft) | LITHOLOGY | SOIL | RECOVERY | PID/OVA (ppm) | WELL CONSTRUCTION |
|--|--|----------------------------|-----------|------|----------|---------------|---|
| | | 0 | | | | |  <p>Protective casing</p> <p>Annular space seal</p> <p>2-inch ID schedule 40 PVC riser</p> <p>Bentonite seal</p> <p>Silica sand</p> |
| | | 2 | | | 0% | | |
| | | 4 | | | | | |
| Silty sand, yellowish brown 10YR 5/8, poorly consolidated, medium - fine sand, weak cementation, non plastic, poorly graded. | - Hand augered to 5' bgs (no sample recovered) - pale yellow 2.5Y 8/4 | 6 | | SM | | 0.8 | |
| | | 8 | | | 80% | 0 | |
| Poorly graded sand, pale yellow 2.5Y 8/4, very loose, moist fine - medium sand, weak cementation, non plastic, up to 1" caliche spheres. | | 10 | | SP | | 0.3 | |
| | | 12 | | | 100% | | |
| | | 14 | | | | 0.5 | |
| <div></div> <div>LOG & RECORD OF WELL CONSTRUCTION MW-4</div> | | Gallegos Canyon Unit #124E | | | | | Page 1 of 3 |
| | | | | | | | |

Groundwater seepage encountered at none noted ft depth during drilling.
Soil colors classified using the Munsell soil color charts

| | | |
|---|---|-------------|
|  | LOG & RECORD OF WELL CONSTRUCTION MW-5 | Page 1 of 3 |
| | Gallegos Canyon Unit #124E | |

| | |
|------------------------------------|--------------------------------------|
| GEOLOGIST: Doug Burr | COMPLETION DATE: October 29, 2013 |
| DRILLER: Miguel Alveredo | GROUND SURFACE ELEV (ft MSL) 5946.4 |
| DRILLING COMPANY: National | TOP OF CASING ELEV (ft, MSL) 5949.3 |
| DRILLING METHOD: Hollow Stem Auger | STATE PLANE COORDINATES (ft) |
| HOLE DIAMETER (IN): 8.0 | Northing 2042820.3 Easting 2649670.7 |

Groundwater seepage encountered at none noted ft depth during drilling.
Soil colors classified using the Munsell soil color charts

| SOIL DESCRIPTION | COMMENTS | DEPTH (ft) | LITHOLOGY | SOIL | RECOVERY | PID/OVA (ppm) | WELL CONSTRUCTION |
|--|---|---|-----------|------|---------------|----------------|--|
| Silty sand, yellowish brown 10YR 5/8, poorly consolidated fine -medium sand, weak cementation, poorly graded. | - Hand augered to 5' bgs (no sample recovered) | 0 2 4 6 8 10 12 14 | | SM | 0% 30% | 4.1 1.3 | Protective casing Annular space seal 2-inch ID schedule 40 PVC riser |
| Poorly graded sand, pale yellow 2.5YR 5/8, moderately consolidated dry, fine - medium sand, weak cementation, non plastic. | - brown 7.5YR 4/3, poorly consolidated - light yellowish brown, 2.5Y 6/3 | | | SP | 100% | 3.5 3 | Bentonite seal Silica sand |
| LOG & RECORD OF WELL CONSTRUCTION MW-6 | | | | | | | Page 1 of 3 |
| MWH Gallegos Canyon Unit #124E | | | | | | | |



| | |
|------------------------------------|--------------------------------------|
| GEOLOGIST: Doug Burr | COMPLETION DATE: October 31, 2013 |
| DRILLER: Miguel Alveredo | GROUND SURFACE ELEV (ft MSL) 5946.0 |
| DRILLING COMPANY: National | TOP OF CASING ELEV (ft, MSL) 5948.7 |
| DRILLING METHOD: Hollow Stem Auger | STATE PLANE COORDINATES (ft) |
| HOLE DIAMETER (IN): 8.0 | Northing 2042826.9 Easting 2649619.2 |

Groundwater seepage encountered at 24.0 ft depth during drilling.
Soil colors classified using the Munsell soil color charts

[illegible]

APPENDIX B

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

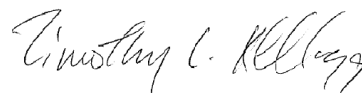
TestAmerica Job ID: 560-43493-1

TestAmerica SDG: W-MWH-10-23-13-DAW-01
Client Project/Site: Gallegos Canyon Unit #124E

For:

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

Attn: Mr. Daniel Wade



Authorized for release by:
11/14/2013 8:28:20 PM

Timothy Kellogg, Lab Director
(361)289-2673
tim.kellogg@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

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Definitions/Glossary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Qualifiers

GC/MS VOA

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

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| B | Compound was found in the blank and sample. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Job ID: 560-43493-1

Laboratory: TestAmerica Corpus Christi

Narrative

Receipt

The samples were received on 11/2/2013 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

GC/MS VOA

Method(s) 8260B: Please note that samples 560-43493-1 through -3 were prepared and analyzed from a methanol extraction due to the abundance of non-target analytes. Elevated reporting limits (RLs) are provided. No other analytical or quality issues were noted.

Detection Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: GCU#124-MW-4-25'

Lab Sample ID: 560-43493-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|----------------|--------|-----------|------|-------|-------|-----|-----|---|--------|-----------|
| Ethylbenzene | 0.24 | | 0.12 | 0.012 | mg/Kg | 50 | | ✱ | 8260B | Total/NA |
| Xylenes, Total | 3.4 | | 0.35 | 0.012 | mg/Kg | 50 | | ✱ | 8260B | Total/NA |
| TPH (1664A) | 430 | B | 65 | 1.5 | mg/Kg | 1 | | ✱ | 9071B | Total/NA |
| Chloride | 26 | J | 65 | 6.5 | mg/Kg | 1 | | ✱ | 9251 | Soluble |

Client Sample ID: GCU#124-MW-6-25'

Lab Sample ID: 560-43493-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|-------------|--------|-----------|----|-----|-------|-----|-----|---|--------|-----------|
| TPH (1664A) | 590 | B | 58 | 1.4 | mg/Kg | 1 | | ✱ | 9071B | Total/NA |
| Chloride | 45 | J | 58 | 5.8 | mg/Kg | 1 | | ✱ | 9251 | Soluble |

Client Sample ID: GCU#124-MW-3-25'

Lab Sample ID: 560-43493-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|--------|-------|-----|-----|---|--------|-----------|
| Ethylbenzene | 0.21 | | 0.096 | 0.0096 | mg/Kg | 50 | | ✱ | 8260B | Total/NA |
| Xylenes, Total | 2.3 | | 0.29 | 0.0096 | mg/Kg | 50 | | ✱ | 8260B | Total/NA |
| TPH (1664A) | 260 | B | 54 | 1.3 | mg/Kg | 1 | | ✱ | 9071B | Total/NA |
| Chloride | 39 | J | 54 | 5.4 | mg/Kg | 1 | | ✱ | 9251 | Soluble |

Client Sample ID: GCU#124-MW-5-24'

Lab Sample ID: 560-43493-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|----------------|--------|-----------|-------|---------|-------|-----|-----|---|--------|-----------|
| Xylenes, Total | 0.0036 | J | 0.016 | 0.00052 | mg/Kg | 1 | | ✱ | 8260B | Total/NA |
| TPH (1664A) | 230 | B | 57 | 1.4 | mg/Kg | 1 | | ✱ | 9071B | Total/NA |
| Chloride | 61 | | 58 | 5.8 | mg/Kg | 1 | | ✱ | 9251 | Soluble |

Client Sample ID: GCU#124-MW-7-14'

Lab Sample ID: 560-43493-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|-------------|--------|-----------|----|-----|-------|-----|-----|---|--------|-----------|
| TPH (1664A) | 130 | B | 52 | 1.2 | mg/Kg | 1 | | ✱ | 9071B | Total/NA |
| Chloride | 26 | J | 53 | 5.3 | mg/Kg | 1 | | ✱ | 9251 | Soluble |

Client Sample ID: GCU#124-MW-2-19'

Lab Sample ID: 560-43493-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|-------------|--------|-----------|----|-----|-------|-----|-----|---|--------|-----------|
| TPH (1664A) | 65 | B | 54 | 1.3 | mg/Kg | 1 | | ✱ | 9071B | Total/NA |
| Chloride | 35 | J | 55 | 5.5 | mg/Kg | 1 | | ✱ | 9251 | Soluble |

Client Sample ID: Trip Blank

Lab Sample ID: 560-43493-7

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: GCU#124-MW-4-25'

Lab Sample ID: 560-43493-1

Date Collected: 10/29/13 09:00

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 76.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Benzene | <0.023 | | 0.12 | 0.023 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:31 | 50 |
| Ethylbenzene | 0.24 | | 0.12 | 0.012 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:31 | 50 |
| Toluene | <0.012 | | 0.12 | 0.012 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:31 | 50 |
| Xylenes, Total | 3.4 | | 0.35 | 0.012 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:31 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Toluene-d8 (Surr) | 117 | | 50 - 135 | 11/05/13 08:18 | 11/05/13 16:31 | 50 |
| 4-Bromofluorobenzene (Surr) | 114 | | 37 - 138 | 11/05/13 08:18 | 11/05/13 16:31 | 50 |
| Dibromofluoromethane (Surr) | 103 | | 55 - 135 | 11/05/13 08:18 | 11/05/13 16:31 | 50 |
| 1,2-Dichloroethane-d4 (Surr) | 119 | | 60 - 145 | 11/05/13 08:18 | 11/05/13 16:31 | 50 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 430 | B | 65 | 1.5 | mg/Kg | ☼ | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 26 | J | 65 | 6.5 | mg/Kg | ☼ | | 11/06/13 16:55 | 1 |

Client Sample ID: GCU#124-MW-6-25'

Lab Sample ID: 560-43493-2

Date Collected: 10/29/13 15:35

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 85.6

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Benzene | <0.021 | | 0.10 | 0.021 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:56 | 50 |
| Ethylbenzene | <0.010 | | 0.10 | 0.010 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:56 | 50 |
| Toluene | <0.010 | | 0.10 | 0.010 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:56 | 50 |
| Xylenes, Total | <0.010 | | 0.31 | 0.010 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 16:56 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Toluene-d8 (Surr) | 114 | | 50 - 135 | 11/05/13 08:18 | 11/05/13 16:56 | 50 |
| 4-Bromofluorobenzene (Surr) | 104 | | 37 - 138 | 11/05/13 08:18 | 11/05/13 16:56 | 50 |
| Dibromofluoromethane (Surr) | 99 | | 55 - 135 | 11/05/13 08:18 | 11/05/13 16:56 | 50 |
| 1,2-Dichloroethane-d4 (Surr) | 114 | | 60 - 145 | 11/05/13 08:18 | 11/05/13 16:56 | 50 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 590 | B | 58 | 1.4 | mg/Kg | ☼ | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 45 | J | 58 | 5.8 | mg/Kg | ☼ | | 11/06/13 16:57 | 1 |

Client Sample ID: GCU#124-MW-3-25'

Lab Sample ID: 560-43493-3

Date Collected: 10/30/13 11:10

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 92.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-------|-------|---|----------------|----------------|---------|
| Benzene | <0.019 | | 0.096 | 0.019 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 17:21 | 50 |

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: GCU#124-MW-3-25'

Lab Sample ID: 560-43493-3

Date Collected: 10/30/13 11:10

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 92.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|------------|-----------|-------|--------|-------|---|----------------|----------------|---------|
| Ethylbenzene | 0.21 | | 0.096 | 0.0096 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 17:21 | 50 |
| Toluene | <0.0096 | | 0.096 | 0.0096 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 17:21 | 50 |
| Xylenes, Total | 2.3 | | 0.29 | 0.0096 | mg/Kg | ☼ | 11/05/13 08:18 | 11/05/13 17:21 | 50 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Toluene-d8 (Surr) | 107 | | 50 - 135 | 11/05/13 08:18 | 11/05/13 17:21 | 50 |
| 4-Bromofluorobenzene (Surr) | 108 | | 37 - 138 | 11/05/13 08:18 | 11/05/13 17:21 | 50 |
| Dibromofluoromethane (Surr) | 100 | | 55 - 135 | 11/05/13 08:18 | 11/05/13 17:21 | 50 |
| 1,2-Dichloroethane-d4 (Surr) | 113 | | 60 - 145 | 11/05/13 08:18 | 11/05/13 17:21 | 50 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 260 | B | 54 | 1.3 | mg/Kg | ☼ | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 39 | J | 54 | 5.4 | mg/Kg | ☼ | | 11/06/13 16:58 | 1 |

Client Sample ID: GCU#124-MW-5-24'

Lab Sample ID: 560-43493-4

Date Collected: 10/30/13 15:15

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 85.9

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|---------------|-----------|--------|---------|-------|---|----------|----------------|---------|
| Benzene | <0.00024 | | 0.0052 | 0.00024 | mg/Kg | ☼ | | 11/08/13 15:20 | 1 |
| Ethylbenzene | <0.00047 | | 0.0052 | 0.00047 | mg/Kg | ☼ | | 11/08/13 15:20 | 1 |
| Toluene | <0.00094 | | 0.0052 | 0.00094 | mg/Kg | ☼ | | 11/08/13 15:20 | 1 |
| Xylenes, Total | 0.0036 | J | 0.016 | 0.00052 | mg/Kg | ☼ | | 11/08/13 15:20 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 98 | | 65 - 139 | | 11/08/13 15:20 | 1 |
| 4-Bromofluorobenzene (Surr) | 97 | | 61 - 136 | | 11/08/13 15:20 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 50 - 136 | | 11/08/13 15:20 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 118 | | 65 - 152 | | 11/08/13 15:20 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 230 | B | 57 | 1.4 | mg/Kg | ☼ | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 61 | | 58 | 5.8 | mg/Kg | ☼ | | 11/06/13 16:58 | 1 |

Client Sample ID: GCU#124-MW-7-14'

Lab Sample ID: 560-43493-5

Date Collected: 10/31/13 10:20

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 95.1

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|----------|-----------|--------|---------|-------|---|----------|----------------|---------|
| Benzene | <0.00021 | | 0.0047 | 0.00021 | mg/Kg | ☼ | | 11/08/13 12:16 | 1 |
| Ethylbenzene | <0.00042 | | 0.0047 | 0.00042 | mg/Kg | ☼ | | 11/08/13 12:16 | 1 |

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: GCU#124-MW-7-14'

Lab Sample ID: 560-43493-5

Date Collected: 10/31/13 10:20

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 95.1

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|----------|-----------|--------|---------|-------|---|----------|----------------|---------|
| Toluene | <0.00084 | | 0.0047 | 0.00084 | mg/Kg | ☼ | | 11/08/13 12:16 | 1 |
| Xylenes, Total | <0.00047 | | 0.014 | 0.00047 | mg/Kg | ☼ | | 11/08/13 12:16 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 95 | | 65 - 139 | | 11/08/13 12:16 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 61 - 136 | | 11/08/13 12:16 | 1 |
| Dibromofluoromethane (Surr) | 114 | | 50 - 136 | | 11/08/13 12:16 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 119 | | 65 - 152 | | 11/08/13 12:16 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 130 | B | 52 | 1.2 | mg/Kg | ☼ | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 26 | J | 53 | 5.3 | mg/Kg | ☼ | | 11/06/13 16:59 | 1 |

Client Sample ID: GCU#124-MW-2-19'

Lab Sample ID: 560-43493-6

Date Collected: 10/31/13 14:30

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 91.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|----------|-----------|--------|---------|-------|---|----------|----------------|---------|
| Benzene | <0.00022 | | 0.0048 | 0.00022 | mg/Kg | ☼ | | 11/08/13 15:47 | 1 |
| Ethylbenzene | <0.00044 | | 0.0048 | 0.00044 | mg/Kg | ☼ | | 11/08/13 15:47 | 1 |
| Toluene | <0.00087 | | 0.0048 | 0.00087 | mg/Kg | ☼ | | 11/08/13 15:47 | 1 |
| Xylenes, Total | <0.00048 | | 0.015 | 0.00048 | mg/Kg | ☼ | | 11/08/13 15:47 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 95 | | 65 - 139 | | 11/08/13 15:47 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 61 - 136 | | 11/08/13 15:47 | 1 |
| Dibromofluoromethane (Surr) | 117 | | 50 - 136 | | 11/08/13 15:47 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 115 | | 65 - 152 | | 11/08/13 15:47 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 65 | B | 54 | 1.3 | mg/Kg | ☼ | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

General Chemistry - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 35 | J | 55 | 5.5 | mg/Kg | ☼ | | 11/06/13 16:59 | 1 |

Client Sample ID: Trip Blank

Lab Sample ID: 560-43493-7

Date Collected: 10/31/13 00:00

Matrix: Water

Date Received: 11/02/13 09:45

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|----------|-----------|--------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 11/06/13 16:34 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 11/06/13 16:34 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 11/06/13 16:34 | 1 |

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: Trip Blank

Date Collected: 10/31/13 00:00

Date Received: 11/02/13 09:45

Lab Sample ID: 560-43493-7

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|----------|-----------|--------|---------|------|---|----------|----------------|---------|
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 11/06/13 16:34 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | 11/06/13 16:34 | 1 |
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 | | 11/06/13 16:34 | 1 |

QC Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

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

Lab Sample ID: MB 560-94646/1-A

Matrix: Solid

Analysis Batch: 94647

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94646

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|------|-------|-------|---|----------------|----------------|---------|
| Benzene | <0.020 | | 0.10 | 0.020 | mg/Kg | | 11/05/13 08:18 | 11/05/13 13:59 | 50 |
| Ethylbenzene | <0.010 | | 0.10 | 0.010 | mg/Kg | | 11/05/13 08:18 | 11/05/13 13:59 | 50 |
| Toluene | <0.010 | | 0.10 | 0.010 | mg/Kg | | 11/05/13 08:18 | 11/05/13 13:59 | 50 |
| Xylenes, Total | <0.010 | | 0.30 | 0.010 | mg/Kg | | 11/05/13 08:18 | 11/05/13 13:59 | 50 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| Toluene-d8 (Surr) | 96 | | 50 - 135 | 11/05/13 08:18 | 11/05/13 13:59 | 50 |
| 4-Bromofluorobenzene (Surr) | 93 | | 37 - 138 | 11/05/13 08:18 | 11/05/13 13:59 | 50 |
| Dibromofluoromethane (Surr) | 91 | | 55 - 135 | 11/05/13 08:18 | 11/05/13 13:59 | 50 |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 60 - 145 | 11/05/13 08:18 | 11/05/13 13:59 | 50 |

Lab Sample ID: LCS 560-94646/2-A

Matrix: Solid

Analysis Batch: 94647

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94646

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|----------------|----------------|---------------|------------------|-------|---|------|----------|
| Benzene | 2.50 | 2.71 | | mg/Kg | | 109 | 70 - 130 |
| Ethylbenzene | 2.50 | 2.62 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 2.50 | 2.56 | | mg/Kg | | 103 | 70 - 130 |
| Xylenes, Total | 5.00 | 5.06 | | mg/Kg | | 101 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| Toluene-d8 (Surr) | 109 | | 50 - 135 |
| 4-Bromofluorobenzene (Surr) | 103 | | 37 - 138 |
| Dibromofluoromethane (Surr) | 117 | | 55 - 135 |
| 1,2-Dichloroethane-d4 (Surr) | 114 | | 60 - 145 |

Lab Sample ID: MB 560-94813/8

Matrix: Solid

Analysis Batch: 94813

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|--------|---------|-------|---|----------|----------------|---------|
| Benzene | <0.00023 | | 0.0050 | 0.00023 | mg/Kg | | | 11/08/13 11:50 | 1 |
| Ethylbenzene | <0.00045 | | 0.0050 | 0.00045 | mg/Kg | | | 11/08/13 11:50 | 1 |
| Toluene | <0.00090 | | 0.0050 | 0.00090 | mg/Kg | | | 11/08/13 11:50 | 1 |
| Xylenes, Total | <0.00050 | | 0.015 | 0.00050 | mg/Kg | | | 11/08/13 11:50 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 94 | | 65 - 139 | | 11/08/13 11:50 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 61 - 136 | | 11/08/13 11:50 | 1 |
| Dibromofluoromethane (Surr) | 111 | | 50 - 136 | | 11/08/13 11:50 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 118 | | 65 - 152 | | 11/08/13 11:50 | 1 |

TestAmerica Corpus Christi

QC Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

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

Lab Sample ID: LCS 560-94813/3

Matrix: Solid

Analysis Batch: 94813

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.0400 | 0.0381 | | mg/Kg | | 95 | 70 - 130 |
| Ethylbenzene | 0.0400 | 0.0390 | | mg/Kg | | 98 | 70 - 130 |
| Toluene | 0.0400 | 0.0383 | | mg/Kg | | 96 | 70 - 130 |
| Xylenes, Total | 0.0800 | 0.0804 | | mg/Kg | | 101 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr) | 100 | | 65 - 139 |
| 4-Bromofluorobenzene (Surr) | 98 | | 61 - 136 |
| Dibromofluoromethane (Surr) | 106 | | 50 - 136 |
| 1,2-Dichloroethane-d4 (Surr) | 116 | | 65 - 152 |

Lab Sample ID: 560-43493-5 MS

Matrix: Solid

Analysis Batch: 94813

Client Sample ID: GCU#124-MW-7-14'

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00021 | | 0.0379 | 0.0348 | | mg/Kg | ☼ | 92 | 56 - 132 |
| Ethylbenzene | <0.00042 | | 0.0379 | 0.0366 | | mg/Kg | ☼ | 97 | 48 - 138 |
| Toluene | <0.00084 | | 0.0379 | 0.0359 | | mg/Kg | ☼ | 95 | 48 - 135 |
| Xylenes, Total | <0.00047 | | 0.0758 | 0.0763 | | mg/Kg | ☼ | 101 | 49 - 137 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|--------------|--------------|----------|
| Toluene-d8 (Surr) | 102 | | 65 - 139 |
| 4-Bromofluorobenzene (Surr) | 90 | | 61 - 136 |
| Dibromofluoromethane (Surr) | 111 | | 50 - 136 |
| 1,2-Dichloroethane-d4 (Surr) | 115 | | 65 - 152 |

Lab Sample ID: 560-43493-5 MSD

Matrix: Solid

Analysis Batch: 94813

Client Sample ID: GCU#124-MW-7-14'

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00021 | | 0.0378 | 0.0320 | | mg/Kg | ☼ | 85 | 56 - 132 | 8 | 40.0 |
| Ethylbenzene | <0.00042 | | 0.0378 | 0.0320 | | mg/Kg | ☼ | 85 | 48 - 138 | 13 | 40.0 |
| Toluene | <0.00084 | | 0.0378 | 0.0315 | | mg/Kg | ☼ | 83 | 48 - 135 | 13 | 40.0 |
| Xylenes, Total | <0.00047 | | 0.0755 | 0.0651 | | mg/Kg | ☼ | 86 | 49 - 137 | 16 | 40.0 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| Toluene-d8 (Surr) | 99 | | 65 - 139 |
| 4-Bromofluorobenzene (Surr) | 95 | | 61 - 136 |
| Dibromofluoromethane (Surr) | 103 | | 50 - 136 |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 65 - 152 |

TestAmerica Corpus Christi

QC Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 600-120370/1-A
Matrix: Solid
Analysis Batch: 120371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120370

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------|--------------|-----------------|----|-----|-------|---|----------------|----------------|---------|
| TPH (1664A) | 9.95 | J | 50 | 1.2 | mg/Kg | | 11/13/13 12:32 | 11/13/13 12:32 | 1 |

Lab Sample ID: LCS 600-120370/2-A
Matrix: Solid
Analysis Batch: 120371

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120370

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|----------------|---------------|------------------|-------|---|------|-----------------|
| TPH (1664A) | 1980 | 1850 | | mg/Kg | | 94 | 70 - 130 |

Lab Sample ID: LCSD 600-120370/3-A
Matrix: Solid
Analysis Batch: 120371

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120370

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| TPH (1664A) | 1980 | 1940 | | mg/Kg | | 98 | 70 - 130 | 5 | 30 |

Method: 9251 - Chloride

Lab Sample ID: MB 560-94748/1-A
Matrix: Solid
Analysis Batch: 94746

Client Sample ID: Method Blank
Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|-----|------|-------|---|----------|----------------|---------|
| Chloride | <0.50 | | 5.0 | 0.50 | mg/Kg | | | 11/06/13 16:54 | 1 |

Lab Sample ID: LCS 560-94748/2-A
Matrix: Solid
Analysis Batch: 94746

Client Sample ID: Lab Control Sample
Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 150 | 142 | | mg/Kg | | 95 | 85 - 115 |

Lab Sample ID: 560-43493-1 MS
Matrix: Solid
Analysis Batch: 94746

Client Sample ID: GCU#124-MW-4-25'
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 26 | J | 1300 | 1230 | | mg/Kg | ☼ | 93 | 85 - 115 |

Lab Sample ID: 560-43493-1 MSD
Matrix: Solid
Analysis Batch: 94746

Client Sample ID: GCU#124-MW-4-25'
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 26 | J | 1300 | 1300 | | mg/Kg | ☼ | 98 | 85 - 115 | 5 | 30 |

TestAmerica Corpus Christi

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: GCU#124-MW-4-25'

Date Collected: 10/29/13 09:00

Date Received: 11/02/13 09:45

Lab Sample ID: 560-43493-1

Matrix: Solid

Percent Solids: 76.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 94646 | 11/05/13 08:18 | RP56 | TAL CC |
| Total/NA | Analysis | 8260B | | 50 | 94647 | 11/05/13 16:31 | ANT | TAL CC |
| Total/NA | Analysis | Moisture | | 1 | 94688 | 11/05/13 15:58 | DRB | TAL CC |
| Soluble | Leach | DI Leach | | | 94748 | 11/06/13 12:00 | LPO | TAL CC |
| Soluble | Analysis | 9251 | | 1 | 94746 | 11/06/13 16:55 | LPO | TAL CC |
| Total/NA | Prep | 9071B | | | 120370 | 11/13/13 12:32 | FNC | TAL HOU |
| Total/NA | Analysis | 9071B | | 1 | 120371 | 11/13/13 12:32 | FNC | TAL HOU |

Client Sample ID: GCU#124-MW-6-25'

Date Collected: 10/29/13 15:35

Date Received: 11/02/13 09:45

Lab Sample ID: 560-43493-2

Matrix: Solid

Percent Solids: 85.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 94646 | 11/05/13 08:18 | RP56 | TAL CC |
| Total/NA | Analysis | 8260B | | 50 | 94647 | 11/05/13 16:56 | ANT | TAL CC |
| Total/NA | Analysis | Moisture | | 1 | 94688 | 11/05/13 15:58 | DRB | TAL CC |
| Soluble | Leach | DI Leach | | | 94748 | 11/06/13 12:00 | LPO | TAL CC |
| Soluble | Analysis | 9251 | | 1 | 94746 | 11/06/13 16:57 | LPO | TAL CC |
| Total/NA | Prep | 9071B | | | 120370 | 11/13/13 12:32 | FNC | TAL HOU |
| Total/NA | Analysis | 9071B | | 1 | 120371 | 11/13/13 12:32 | FNC | TAL HOU |

Client Sample ID: GCU#124-MW-3-25'

Date Collected: 10/30/13 11:10

Date Received: 11/02/13 09:45

Lab Sample ID: 560-43493-3

Matrix: Solid

Percent Solids: 92.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5030B | | | 94646 | 11/05/13 08:18 | RP56 | TAL CC |
| Total/NA | Analysis | 8260B | | 50 | 94647 | 11/05/13 17:21 | ANT | TAL CC |
| Total/NA | Analysis | Moisture | | 1 | 94688 | 11/05/13 15:58 | DRB | TAL CC |
| Soluble | Leach | DI Leach | | | 94748 | 11/06/13 12:00 | LPO | TAL CC |
| Soluble | Analysis | 9251 | | 1 | 94746 | 11/06/13 16:58 | LPO | TAL CC |
| Total/NA | Prep | 9071B | | | 120370 | 11/13/13 12:32 | FNC | TAL HOU |
| Total/NA | Analysis | 9071B | | 1 | 120371 | 11/13/13 12:32 | FNC | TAL HOU |

Client Sample ID: GCU#124-MW-5-24'

Date Collected: 10/30/13 15:15

Date Received: 11/02/13 09:45

Lab Sample ID: 560-43493-4

Matrix: Solid

Percent Solids: 85.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 94813 | 11/08/13 15:20 | ANT | TAL CC |
| Total/NA | Analysis | Moisture | | 1 | 94688 | 11/05/13 15:58 | DRB | TAL CC |
| Soluble | Leach | DI Leach | | | 94748 | 11/06/13 12:00 | LPO | TAL CC |

TestAmerica Corpus Christi

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Client Sample ID: GCU#124-MW-5-24'

Lab Sample ID: 560-43493-4

Date Collected: 10/30/13 15:15

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 85.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Soluble | Analysis | 9251 | | 1 | 94746 | 11/06/13 16:58 | LPO | TAL CC |
| Total/NA | Prep | 9071B | | | 120370 | 11/13/13 12:32 | FNC | TAL HOU |
| Total/NA | Analysis | 9071B | | 1 | 120371 | 11/13/13 12:32 | FNC | TAL HOU |

Client Sample ID: GCU#124-MW-7-14'

Lab Sample ID: 560-43493-5

Date Collected: 10/31/13 10:20

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 95.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 94813 | 11/08/13 12:16 | ANT | TAL CC |
| Total/NA | Analysis | Moisture | | 1 | 94688 | 11/05/13 15:58 | DRB | TAL CC |
| Soluble | Leach | DI Leach | | | 94748 | 11/06/13 12:00 | LPO | TAL CC |
| Soluble | Analysis | 9251 | | 1 | 94746 | 11/06/13 16:59 | LPO | TAL CC |
| Total/NA | Prep | 9071B | | | 120370 | 11/13/13 12:32 | FNC | TAL HOU |
| Total/NA | Analysis | 9071B | | 1 | 120371 | 11/13/13 12:32 | FNC | TAL HOU |

Client Sample ID: GCU#124-MW-2-19'

Lab Sample ID: 560-43493-6

Date Collected: 10/31/13 14:30

Matrix: Solid

Date Received: 11/02/13 09:45

Percent Solids: 91.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 1 | 94813 | 11/08/13 15:47 | ANT | TAL CC |
| Total/NA | Analysis | Moisture | | 1 | 94688 | 11/05/13 15:58 | DRB | TAL CC |
| Soluble | Leach | DI Leach | | | 94748 | 11/06/13 12:00 | LPO | TAL CC |
| Soluble | Analysis | 9251 | | 1 | 94746 | 11/06/13 16:59 | LPO | TAL CC |
| Total/NA | Prep | 9071B | | | 120370 | 11/13/13 12:32 | FNC | TAL HOU |
| Total/NA | Analysis | 9071B | | 1 | 120371 | 11/13/13 12:32 | FNC | TAL HOU |

Client Sample ID: Trip Blank

Lab Sample ID: 560-43493-7

Date Collected: 10/31/13 00:00

Matrix: Water

Date Received: 11/02/13 09:45

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 94706 | 11/06/13 16:34 | RJT | TAL CC |

Laboratory References:

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

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

Laboratory: TestAmerica Corpus Christi

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Kansas | NELAP | 7 | E-10362 | 10-31-14 |
| Oklahoma | State Program | 6 | 9968 | 08-31-14 |
| Texas | NELAP | 6 | T104704210-12-8 | 03-31-14 |
| USDA | Federal | | P330-11-00060 | 02-03-14 |

Laboratory: TestAmerica Houston

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------|---------------|------------|--------------------|-----------------|
| Arkansas DEQ | State Program | 6 | 88-0759 | 08-04-13 * |
| Louisiana | NELAP | 6 | 01967 | 06-30-14 |
| Oklahoma | State Program | 6 | 9503 | 08-31-13 * |
| Texas | NELAP | 6 | T104704223-10-6-TX | 10-31-14 |
| USDA | Federal | | P330-08-00217 | 04-01-14 |
| Utah | NELAP | 8 | GULF | 10-31-13 * |

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Corpus Christi

Method Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

| Method | Method Description | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 8260B | Volatile Organic Compounds (GC/MS) | SW846 | TAL CC |
| 9071B | HEM and SGT-HEM | SW846 | TAL HOU |
| 9251 | Chloride | SW846 | TAL CC |
| Moisture | Percent Moisture | EPA | TAL CC |

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124E

TestAmerica Job ID: 560-43493-1
SDG: W-MWH-10-23-13-DAW-01

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 560-43493-1 | GCU#124-MW-4-25' | Solid | 10/29/13 09:00 | 11/02/13 09:45 |
| 560-43493-2 | GCU#124-MW-6-25' | Solid | 10/29/13 15:35 | 11/02/13 09:45 |
| 560-43493-3 | GCU#124-MW-3-25' | Solid | 10/30/13 11:10 | 11/02/13 09:45 |
| 560-43493-4 | GCU#124-MW-5-24' | Solid | 10/30/13 15:15 | 11/02/13 09:45 |
| 560-43493-5 | GCU#124-MW-7-14' | Solid | 10/31/13 10:20 | 11/02/13 09:45 |
| 560-43493-6 | GCU#124-MW-2-19' | Solid | 10/31/13 14:30 | 11/02/13 09:45 |
| 560-43493-7 | Trip Blank | Water | 10/31/13 00:00 | 11/02/13 09:45 |

11/02
TIP4 frozen

Chain of Custody Record

TestAmerica

THE BAKERS' UNION

| | | | | | | | |
|--|--|--|--|--|--|--------------------------------------|--|
| Client Information | | Lab PM: Timothy L. Kellogg | | Carrier Tracking No(s): 8495 2775 | | COC No: 560-11420-1198.1 | |
| Client Contact: Mr. Daniel Wade | | E-Mail: tim.kellogg@testamericainc.com | | Page: 7407 | | Page 1 of 1 | |
| Company: MWH Americas Inc | | Address: 1801 California Street Suite 2900 | | City: Denver | | State, Zip: CO, 80202 | |
| Phone: 713-420-3414 (Tel) | | PO #: Purchase Order not required | | TAT Requested (days): | | Due Date Requested: | |
| Email: Daniel.A.Wade@us.mwhglobal.com | | WO #: TWO # C-STLI- | | Project # 56000058 | | SSOW#: | |
| Project Name: W-MWH-10-23-13-DAW-01 | | Site: Gallegos Canyon Unit #24E | | Matrix (W=water, S=solid, O=water/oil, BT=Tissue, A=Air) | | Preservation Code: | |
| Sample Identification | | Sample Date | | Sample Time | | Sample Type (C=comp, G=grab) | |
| GC# 124-MW-4-25' | | 102913 | | 0900 | | Solid | |
| GC# 124-MW-6-25' | | 102913 | | 1535 | | Solid | |
| GC# 124-MW-3-25' | | 103013 | | 1110 | | Solid | |
| GC# 124-MW-5-24' | | 103013 | | 1515 | | Solid | |
| GC# 124-MW-7-14' | | 103113 | | 1020 | | Solid | |
| GC# 124-MW-E-19' | | 103113 | | 1430 | | Solid | |
| Trip Blank | | | | | | Solid | |
| Possible Hazard Identification | | <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | | | | |
| Empty Kit Relinquished by: | | Date: | | Time: | | Method of Shipment: FedEx Sat | |
| Relinquished by: | | Date/Time: 11/13 | | Company: MWH | | Received by: 102-13 0945 | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | |
| Custody Seal No.: 245728 | | Custody Seal Intact: Yes | | Custody Seal No.: 152 | | Custody Seal Intact: Yes | |

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 560-43493-1

SDG Number: W-MWH-10-23-13-DAW-01

Login Number: 43493

List Number: 1

Creator: Rood, Vivian R

List Source: TestAmerica Corpus Christi

| Question | Answer | Comment |
|--|--------|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | TPH frozen 11/02 - Refer to job narrative |
| 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 | |

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 560-43493-1

SDG Number: W-MWH-10-23-13-DAW-01

Login Number: 43493

List Number: 1

Creator: Lopez, Sandro R

List Source: TestAmerica Houston

List Creation: 11/06/13 02:18 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 4.7 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

APPENDIX C

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

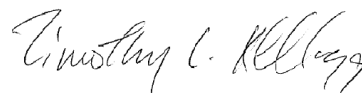
TestAmerica Job ID: 560-40568-1

TestAmerica Sample Delivery Group: June 2013
Client Project/Site: GCU #124E

For:

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

Attn: Mr. Daniel Wade



Authorized for release by:
6/19/2013 7:54:07 PM

Timothy Kellogg, Lab Director
tim.kellogg@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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

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

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

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11

Definitions/Glossary

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

Qualifiers

GC/MS VOA

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

Job ID: 560-40568-1

Laboratory: TestAmerica Corpus Christi

Narrative

Receipt

The sample was received on 6/12/2013 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

GC/MS VOA

Method(s) 8260B: Please note that sample 560-40568-1 was diluted due to the nature of the sample matrix (non-target analytes). As such, elevated reporting limits (RLs) for some compounds are provided. No other analytical or quality issues were noted.

Client Sample Results

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

Client Sample ID: MW-1
Date Collected: 06/09/13 16:30
Date Received: 06/12/13 10:00

Lab Sample ID: 560-40568-1
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | 0.033 | | 0.0020 | 0.00028 | mg/L | | | 06/17/13 17:47 | 2 |
| Ethylbenzene | 0.011 | | 0.0020 | 0.00040 | mg/L | | | 06/17/13 17:47 | 2 |
| Toluene | <0.00060 | | 0.0020 | 0.00060 | mg/L | | | 06/17/13 17:47 | 2 |
| Xylenes, Total | 0.00086 | J | 0.0060 | 0.00045 | mg/L | | | 06/17/13 17:47 | 2 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | | 06/17/13 17:47 | 2 |
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 | | | | | 06/17/13 17:47 | 2 |
| Dibromofluoromethane (Surr) | 100 | | 70 - 130 | | | | | 06/17/13 17:47 | 2 |
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 70 - 130 | | | | | 06/17/13 17:47 | 2 |

QC Sample Results

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

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

Lab Sample ID: MB 560-89167/8

Matrix: Water

Analysis Batch: 89167

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|--------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 06/17/13 11:31 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 06/17/13 11:31 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 06/17/13 11:31 | 1 |
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 06/17/13 11:31 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | 06/17/13 11:31 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 | | 06/17/13 11:31 | 1 |
| Dibromofluoromethane (Surr) | 99 | | 70 - 130 | | 06/17/13 11:31 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 130 | | 06/17/13 11:31 | 1 |

Lab Sample ID: LCS 560-89167/3

Matrix: Water

Analysis Batch: 89167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|----------------|---------------|------------------|------|---|------|-----------------|
| Benzene | 0.0250 | 0.0251 | | mg/L | | 101 | 70 - 130 |
| Ethylbenzene | 0.0250 | 0.0255 | | mg/L | | 102 | 70 - 130 |
| Toluene | 0.0250 | 0.0254 | | mg/L | | 102 | 70 - 130 |
| Xylenes, Total | 0.0750 | 0.0771 | | mg/L | | 103 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| Toluene-d8 (Surr) | 99 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 70 - 130 |

Lab Chronicle

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

Client Sample ID: MW-1
Date Collected: 06/09/13 16:30
Date Received: 06/12/13 10:00

Lab Sample ID: 560-40568-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 2 | 89167 | 06/17/13 17:47 | RT | TAL CC |

Laboratory References:

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

Certification Summary

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

Laboratory: TestAmerica Corpus Christi

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Kansas | NELAP | 7 | E-10362 | 10-31-13 |
| Oklahoma | State Program | 6 | 9968 | 08-31-13 |
| Texas | NELAP | 6 | T104704210-12-8 | 03-31-14 |
| USDA | Federal | | P330-11-00060 | 02-03-14 |

Method Summary

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: MWH Americas Inc
Project/Site: GCU #124E

TestAmerica Job ID: 560-40568-1
SDG: June 2013

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 560-40568-1 | MW-1 | Water | 06/09/13 16:30 | 06/12/13 10:00 |

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CHAIN OF CUSTODY RECORD

[illegible]

TAL-8222-560 (0412)

TestAmerica
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: 361.289.2673/Fax: 361.289.2471

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 560-40568-1

SDG Number: June 2013

Login Number: 40568

List Number: 1

Creator: McDermott, Vivian

List Source: TestAmerica Corpus Christi

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 560-42547-1

TestAmerica Sample Delivery Group: September 2013
Client Project/Site: GCU #124E Groundwater Analysis

For:

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

Attn: Mr. Daniel Wade



Authorized for release by:

10/3/2013 11:36:01 AM

Lindy Maingot, Project Manager I
lindy.maingot@testamericainc.com

Designee for

Timothy Kellogg, Lab Director
tim.kellogg@testamericainc.com

LINKS

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www.testamericainc.com

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

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

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

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Definitions/Glossary

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

Job ID: 560-42547-1

Laboratory: TestAmerica Corpus Christi

Narrative

Job Narrative
560-42547-1

Comments

No additional comments.

Receipt

The sample was received on 9/14/2013 10:05 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

GC/MS VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

Client Sample ID: MW-1

Lab Sample ID: 560-42547-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Benzene | 0.025 | | 0.0010 | 0.00014 | mg/L | 1 | | 8260B | Total/NA |
| Ethylbenzene | 0.0098 | | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Xylenes, Total | 0.0089 | | 0.0030 | 0.00023 | mg/L | 1 | | 8260B | Total/NA |

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

Client Sample ID: MW-1

Date Collected: 09/11/13 09:00

Date Received: 09/14/13 10:05

Lab Sample ID: 560-42547-1

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|----------|-----------|--------|---------|------|---|----------|----------------|---------|
| Benzene | 0.025 | | 0.0010 | 0.00014 | mg/L | | | 09/19/13 03:12 | 1 |
| Ethylbenzene | 0.0098 | | 0.0010 | 0.00020 | mg/L | | | 09/19/13 03:12 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 09/19/13 03:12 | 1 |
| Xylenes, Total | 0.0089 | | 0.0030 | 0.00023 | mg/L | | | 09/19/13 03:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | 09/19/13 03:12 | 1 |
| 4-Bromofluorobenzene (Surr) | 92 | | 70 - 130 | | 09/19/13 03:12 | 1 |
| Dibromofluoromethane (Surr) | 93 | | 70 - 130 | | 09/19/13 03:12 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 70 - 140 | | 09/19/13 03:12 | 1 |

QC Sample Results

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

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

Lab Sample ID: MB 560-92892/8

Matrix: Water

Analysis Batch: 92892

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|--------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 09/18/13 18:46 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 09/18/13 18:46 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 09/18/13 18:46 | 1 |
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 09/18/13 18:46 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 93 | | 70 - 130 | | 09/18/13 18:46 | 1 |
| 4-Bromofluorobenzene (Surr) | 87 | | 70 - 130 | | 09/18/13 18:46 | 1 |
| Dibromofluoromethane (Surr) | 94 | | 70 - 130 | | 09/18/13 18:46 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 70 - 140 | | 09/18/13 18:46 | 1 |

Lab Sample ID: LCS 560-92892/3

Matrix: Water

Analysis Batch: 92892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|----------------|---------------|------------------|------|---|------|-----------------|
| Benzene | 0.0250 | 0.0235 | | mg/L | | 94 | 70 - 130 |
| Ethylbenzene | 0.0250 | 0.0248 | | mg/L | | 99 | 70 - 130 |
| Toluene | 0.0250 | 0.0221 | | mg/L | | 89 | 70 - 130 |
| Xylenes, Total | 0.0750 | 0.0747 | | mg/L | | 100 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|------------------|------------------|----------|
| Toluene-d8 (Surr) | 96 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| Dibromofluoromethane (Surr) | 97 | | 70 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 70 - 140 |

Certification Summary

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

Laboratory: TestAmerica Corpus Christi

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Kansas | NELAP | 7 | E-10362 | 10-31-13 |
| Oklahoma | State Program | 6 | 9968 | 08-31-14 |
| Texas | NELAP | 6 | T104704210-12-8 | 03-31-14 |
| USDA | Federal | | P330-11-00060 | 02-03-14 |

Method Summary

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: MWH Americas Inc
Project/Site: GCU #124E Groundwater Analysis

TestAmerica Job ID: 560-42547-1
SDG: September 2013

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 560-42547-1 | MW-1 | Water | 09/11/13 09:00 | 09/14/13 10:05 |

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Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 560-42547-1

SDG Number: September 2013

Login Number: 42547

List Number: 1

Creator: Wing, Randi

List Source: TestAmerica Corpus Christi

| 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 | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

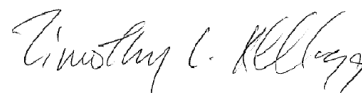
TestAmerica Job ID: 560-44357-1

TestAmerica Sample Delivery Group: December 2013
Client Project/Site: Gallegos Canyon Unit #124 Groundwater

For:

MWH Americas Inc
2890 East Cottonwood Pkwy
Suite 300
Salt Lake City, Utah 84121

Attn: Mr. Cary Ruble



Authorized for release by:
12/30/2013 7:30:05 PM

Timothy Kellogg, Lab Director
(361)289-2673
tim.kellogg@testamericainc.com

LINKS

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www.testamericainc.com

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

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

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

Definitions/Glossary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Qualifiers

GC/MS VOA

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

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Job ID: 560-44357-1

Laboratory: TestAmerica Corpus Christi

Narrative

Receipt

The samples were received on 12/17/2013 10:40 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. No analytical or quality issues were noted.

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Detection Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Client Sample ID: MW-1

Lab Sample ID: 560-44357-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Benzene | 0.087 | | 0.0010 | 0.00014 | mg/L | 1 | | 8260B | Total/NA |
| Ethylbenzene | 0.050 | | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Xylenes, Total | 0.10 | | 0.0030 | 0.00023 | mg/L | 1 | | 8260B | Total/NA |

Client Sample ID: MW-2

Lab Sample ID: 560-44357-2

No Detections.

Client Sample ID: MW-3

Lab Sample ID: 560-44357-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Benzene | 0.0041 | | 0.0010 | 0.00014 | mg/L | 1 | | 8260B | Total/NA |
| Ethylbenzene | 0.0074 | | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Xylenes, Total | 0.027 | | 0.0030 | 0.00023 | mg/L | 1 | | 8260B | Total/NA |

Client Sample ID: MW-4

Lab Sample ID: 560-44357-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|---------|-----------|--------|---------|------|---------|---|--------|-----------|
| Ethylbenzene | 0.00028 | J | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Xylenes, Total | 0.0014 | J | 0.0030 | 0.00023 | mg/L | 1 | | 8260B | Total/NA |

Client Sample ID: MW-5

Lab Sample ID: 560-44357-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Benzene | 0.0093 | | 0.0010 | 0.00014 | mg/L | 1 | | 8260B | Total/NA |
| Ethylbenzene | 0.053 | | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Xylenes, Total | 0.032 | | 0.0030 | 0.00023 | mg/L | 1 | | 8260B | Total/NA |

Client Sample ID: MW-6

Lab Sample ID: 560-44357-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|----------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Xylenes, Total | 0.0020 | J | 0.0030 | 0.00023 | mg/L | 1 | | 8260B | Total/NA |

Client Sample ID: MW-7

Lab Sample ID: 560-44357-7

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Client Sample ID: MW-1
Date Collected: 12/15/13 10:00
Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-1
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | 0.087 | | 0.0010 | 0.00014 | mg/L | | | 12/27/13 11:43 | 1 |
| Ethylbenzene | 0.050 | | 0.0010 | 0.00020 | mg/L | | | 12/27/13 11:43 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/27/13 11:43 | 1 |
| Xylenes, Total | 0.10 | | 0.0030 | 0.00023 | mg/L | | | 12/27/13 11:43 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 103 | | 70 - 130 | | | | | 12/27/13 11:43 | 1 |
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | | | | 12/27/13 11:43 | 1 |

Client Sample ID: MW-2
Date Collected: 12/15/13 11:00
Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-2
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 12/26/13 19:51 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 12/26/13 19:51 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/26/13 19:51 | 1 |
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 12/26/13 19:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | | 12/26/13 19:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 | | | | | 12/26/13 19:51 | 1 |

Client Sample ID: MW-3
Date Collected: 12/15/13 10:05
Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-3
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | 0.0041 | | 0.0010 | 0.00014 | mg/L | | | 12/26/13 19:01 | 1 |
| Ethylbenzene | 0.0074 | | 0.0010 | 0.00020 | mg/L | | | 12/26/13 19:01 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/26/13 19:01 | 1 |
| Xylenes, Total | 0.027 | | 0.0030 | 0.00023 | mg/L | | | 12/26/13 19:01 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | | | | 12/26/13 19:01 | 1 |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | | | 12/26/13 19:01 | 1 |

Client Sample ID: MW-4
Date Collected: 12/15/13 10:10
Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-4
Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|----------|-----------|--------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 12/26/13 20:17 | 1 |
| Ethylbenzene | 0.00028 | J | 0.0010 | 0.00020 | mg/L | | | 12/26/13 20:17 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/26/13 20:17 | 1 |
| Xylenes, Total | 0.0014 | J | 0.0030 | 0.00023 | mg/L | | | 12/26/13 20:17 | 1 |

TestAmerica Corpus Christi

Client Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Client Sample ID: MW-4

Date Collected: 12/15/13 10:10

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-4

Matrix: Water

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 98 | | 70 - 130 | | 12/26/13 20:17 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | | 12/26/13 20:17 | 1 |

Client Sample ID: MW-5

Date Collected: 12/15/13 10:20

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-5

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | 0.0093 | | 0.0010 | 0.00014 | mg/L | | | 12/26/13 20:42 | 1 |
| Ethylbenzene | 0.053 | | 0.0010 | 0.00020 | mg/L | | | 12/26/13 20:42 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/26/13 20:42 | 1 |
| Xylenes, Total | 0.032 | | 0.0030 | 0.00023 | mg/L | | | 12/26/13 20:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 106 | | 70 - 130 | | | | | 12/26/13 20:42 | 1 |
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | | | | | 12/26/13 20:42 | 1 |

Client Sample ID: MW-6

Date Collected: 12/15/13 10:25

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-6

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 12/26/13 21:07 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 12/26/13 21:07 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/26/13 21:07 | 1 |
| Xylenes, Total | 0.0020 | J | 0.0030 | 0.00023 | mg/L | | | 12/26/13 21:07 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 98 | | 70 - 130 | | | | | 12/26/13 21:07 | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | | | | | 12/26/13 21:07 | 1 |

Client Sample ID: MW-7

Date Collected: 12/15/13 10:30

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-7

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 12/27/13 12:08 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 12/27/13 12:08 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/27/13 12:08 | 1 |
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 12/27/13 12:08 | 1 |
| | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Toluene-d8 (Surr) | 100 | | 70 - 130 | | | | | 12/27/13 12:08 | 1 |
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 | | | | | 12/27/13 12:08 | 1 |

TestAmerica Corpus Christi

QC Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

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

Lab Sample ID: MB 560-96593/8

Matrix: Water

Analysis Batch: 96593

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|--------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 12/26/13 13:58 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 12/26/13 13:58 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/26/13 13:58 | 1 |
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 12/26/13 13:58 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 93 | | 70 - 130 | | 12/26/13 13:58 | 1 |
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 130 | | 12/26/13 13:58 | 1 |

Lab Sample ID: LCS 560-96593/3

Matrix: Water

Analysis Batch: 96593

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|----------------|---------------|------------------|------|---|------|-----------------|
| Benzene | 0.0250 | 0.0249 | | mg/L | | 100 | 70 - 130 |
| Ethylbenzene | 0.0250 | 0.0250 | | mg/L | | 100 | 70 - 130 |
| Toluene | 0.0250 | 0.0233 | | mg/L | | 93 | 70 - 130 |
| Xylenes, Total | 0.0500 | 0.0507 | | mg/L | | 101 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|------------------|------------------|----------|
| Toluene-d8 (Surr) | 97 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: MB 560-96638/8

Matrix: Water

Analysis Batch: 96638

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------------|--------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00014 | | 0.0010 | 0.00014 | mg/L | | | 12/27/13 11:17 | 1 |
| Ethylbenzene | <0.00020 | | 0.0010 | 0.00020 | mg/L | | | 12/27/13 11:17 | 1 |
| Toluene | <0.00030 | | 0.0010 | 0.00030 | mg/L | | | 12/27/13 11:17 | 1 |
| Xylenes, Total | <0.00023 | | 0.0030 | 0.00023 | mg/L | | | 12/27/13 11:17 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | 12/27/13 11:17 | 1 |
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | | 12/27/13 11:17 | 1 |

Lab Sample ID: LCS 560-96638/3

Matrix: Water

Analysis Batch: 96638

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------|----------------|---------------|------------------|------|---|------|-----------------|
| Benzene | 0.0250 | 0.0252 | | mg/L | | 101 | 70 - 130 |
| Ethylbenzene | 0.0250 | 0.0235 | | mg/L | | 94 | 70 - 130 |
| Toluene | 0.0250 | 0.0248 | | mg/L | | 99 | 70 - 130 |
| Xylenes, Total | 0.0750 | 0.0705 | | mg/L | | 94 | 70 - 130 |

TestAmerica Corpus Christi

QC Sample Results

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

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

Lab Sample ID: LCS 560-96638/3

Matrix: Water

Analysis Batch: 96638

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate | LCS | | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| Toluene-d8 (Surr) | 101 | | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 |

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Client Sample ID: MW-1

Date Collected: 12/15/13 10:00

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96638 | 12/27/13 11:43 | RP56 | TAL CC |

Client Sample ID: MW-2

Date Collected: 12/15/13 11:00

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96593 | 12/26/13 19:51 | RJT | TAL CC |

Client Sample ID: MW-3

Date Collected: 12/15/13 10:05

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96593 | 12/26/13 19:01 | RJT | TAL CC |

Client Sample ID: MW-4

Date Collected: 12/15/13 10:10

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96593 | 12/26/13 20:17 | RJT | TAL CC |

Client Sample ID: MW-5

Date Collected: 12/15/13 10:20

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96593 | 12/26/13 20:42 | RJT | TAL CC |

Client Sample ID: MW-6

Date Collected: 12/15/13 10:25

Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96593 | 12/26/13 21:07 | RJT | TAL CC |

TestAmerica Corpus Christi

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Client Sample ID: MW-7
Date Collected: 12/15/13 10:30
Date Received: 12/17/13 10:40

Lab Sample ID: 560-44357-7
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B | | 1 | 96638 | 12/27/13 12:08 | RP56 | TAL CC |

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

Certification Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

Laboratory: TestAmerica Corpus Christi

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

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------------|------------|------------------|-----------------|
| Kansas | NELAP | 7 | E-10362 | 10-31-14 |
| Oklahoma | State Program | 6 | 9968 | 08-31-14 |
| Texas | NELAP | 6 | T104704210-12-8 | 03-31-14 |
| USDA | Federal | | P330-11-00060 | 02-03-14 |

Method Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: MWH Americas Inc
Project/Site: Gallegos Canyon Unit #124 Groundwater

TestAmerica Job ID: 560-44357-1
SDG: December 2013

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 560-44357-1 | MW-1 | Water | 12/15/13 10:00 | 12/17/13 10:40 |
| 560-44357-2 | MW-2 | Water | 12/15/13 11:00 | 12/17/13 10:40 |
| 560-44357-3 | MW-3 | Water | 12/15/13 10:05 | 12/17/13 10:40 |
| 560-44357-4 | MW-4 | Water | 12/15/13 10:10 | 12/17/13 10:40 |
| 560-44357-5 | MW-5 | Water | 12/15/13 10:20 | 12/17/13 10:40 |
| 560-44357-6 | MW-6 | Water | 12/15/13 10:25 | 12/17/13 10:40 |
| 560-44357-7 | MW-7 | Water | 12/15/13 10:30 | 12/17/13 10:40 |

Chain of Custody Record

TestAmerica
THE LEADER IN PHYSICIAN-LED, TESTING

[illegible]

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 560-44357-1

SDG Number: December 2013

Login Number: 44357

List Number: 1

Creator: Rood, Vivian R

List Source: TestAmerica Corpus Christi

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