May 9, 2016

Jim Griswold
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Annual Progress Report for 2015**
**Benson-Montin-Greer**
**Highway 537 Truck Receiving Station 2009 Release**
**Rio Arriba County, New Mexico**
**NMOCD ORDER #3RP-448-0**

Dear Mr. Griswold:

On behalf of Benson-Montin-Greer Drilling Corporation (BMG), Animas Environmental Services, LLC (AES) has prepared this Annual Progress Report, which provides details of groundwater monitoring and sampling and remediation activities conducted during 2015 at the BMG Highway 537 Truck Receiving Station 2009 release location. Semi-annual monitoring and sampling was conducted on March 27 and September 15, 2015, in accordance with recommendations presented in the Site Investigation Report prepared by AES and submitted on April 10, 2009.

## 1.0 Site Information

The BMG Highway 537 Truck Receiving Station previously consisted of eight 500 barrel (bbl) oil storage tanks, one 600 bbl oil storage tank, one 80 bbl open top waste tank, and various pumps and meters associated with crude oil transport truck loading, unloading, and pipeline transport. Surface ownership in the area where the release occurred includes private land owned by the Schmitz Ranch.

### *1.1 Site Location*

The truck receiving station is located along the south side of NM State Highway 537 and is adjacent to the Los Ojitos Arroyo, which eventually drains to Largo Canyon. The facility is described legally as being located within the SW¼ NW¼ Section 18, T25N, R3W in Rio Arriba County, New Mexico. Latitude and longitude were recorded as being N36.39866 and W107.19328, respectively. A topographic site location map, based on an excerpt from the U.S. Geological

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Survey (USGS) 7.5-minute Schmitz Ranch, Rio Arriba County, New Mexico topographic quadrangle (USGS 1963), is included as Figure 1. Site plans, including existing monitor wells, are presented as Figures 2A and 2B.

## *1.2 Release History*

In January 2009, a Western Refining truck driver discovered crude condensate within the bermed area around the storage tanks, on the south side of Tank #1. BMG personnel arrived on-site and confirmed a leak at a buried 6-inch line between the storage tanks and the truck loading pump. BMG isolated the line and emptied it of residual oil. BMG then contacted Brandon Powell of New Mexico Oil Conservation Division (NMOCD) to provide notification and intended response to the release.

The release was the result of a corrosion hole along the bottom of the pipe near the truck loading pumps. Because it was determined that the leak had impacted soils to at least 15 feet bgs, and due to the presence of tanks, buried pipe, buried conduit, and fixed pumps and meters within the release area, BMG and AES, in consultation with NMOCD, concluded that an assessment of the release area by installing soil borings and monitor wells would be the most appropriate assessment method.

On February 2, 2009, the 6-inch line was repaired, and the excavation was backfilled with clean fill material. Approximately 100 cubic yards of contaminated soil were transported to the TNT Landfarm for disposal. From February 16 through 20, 2009, site investigation activities were conducted by AES in order to delineate the full extent of petroleum hydrocarbon impact on surface and subsurface soils and groundwater resulting from the release. The investigation procedures included the installation of 11 monitor wells (MW-1 through MW-11) and collection of soil and groundwater samples. Work was completed in accordance with the *Sampling and Analysis Plan* prepared by AES and dated February 3, 2009, and also in accordance with U.S. Environmental Protection Agency (USEPA) Environmental Response Team's Standard Operating Procedures (SOPs), and applicable American Society of Testing and Materials (ASTM) standards. Details of the site investigation are included in the AES *Site Investigation Report* submitted to NMOCD in April 2009.

## *1.3 Excavation Assessment, May-June 2014*

On May 12 and June 4, 2014, AES conducted a site assessment on behalf of BMG as part of termination of the site lease. The work included soil sampling during the excavation of hydrocarbon contaminated soils that were discovered when the storage tanks and truck loading station were removed from the site, and a subsequent assessment of subsurface soils, utilizing a Geoprobe. Approximately 600 cubic yards of petroleum impacted soil were removed from the excavated areas and transported to the BMG Landfarm by TPC, LLC.

Results of the excavation assessment confirmed that residual contaminants are present under the former loading area. However, with the exception of one discrete location there are minimal residual contaminants below the former tank area. Results of the excavation assessment were reported under a separate cover dated November 12, 2014.

## 2.0 Groundwater Monitoring and Sampling – March 2015

AES personnel conducted groundwater monitoring and sampling on March 27, 2015. Groundwater samples from MW-3 were laboratory analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021 and total petroleum hydrocarbons (TPH) per USEPA Method 8015 at Hall in Albuquerque, New Mexico. MW-1 was not sampled due to the presence of 0.28 feet of product.

### *2.1 Groundwater Measurements and Water Quality Data*

On March 27, 2015, groundwater measurements were recorded for MW-1 through MW-11. Average groundwater elevations increased 1.18 feet between December 2014 and March 2015. Groundwater gradient was calculated between MW-2 and MW-8, with a magnitude of 0.007 ft/ft to the west-southwest. Depth to groundwater ranged from 14.09 feet below top of casing (TOC) in MW-6 to 29.83 feet below TOC in MW-11. Depth to groundwater measurements are presented in Table 1. Groundwater elevation contours for March 2015 are presented on Figure 2A.

In MW-3, water quality parameters were recorded as follows: temperature (13.42°C); dissolved oxygen (DO) concentration (28.8 mg/L); pH (6.98); oxidation reduction potential (ORP) (1.9 mV); and conductivity (3.458 mS/cm). Water quality data are presented in Table 1, and Water Sample Collection Forms are included in the Appendix.

### *2.2 Groundwater Analytical Results*

Dissolved phase BTEX concentrations were below laboratory detection limits and applicable New Mexico Water Quality Control Commission (WQCC) standards in MW-3. TPH concentrations as gasoline range organics (GRO) and diesel range organics (DRO) were slightly above laboratory detection limits with 0.056 mg/L (GRO) and 1.1 mg/L (DRO), and TPH concentrations as motor oil range organics (MRO) were reported below laboratory detection limits. Tabulated laboratory analytical results are included in Table 2, and contaminant concentrations are included in Figure 3. Graphs 1 presents groundwater elevations and dissolved phase benzene concentrations for MW-3. Laboratory analytical reports for March 2015 are included in the Appendix.

# 3.0 Groundwater Monitoring and Sampling – September and December 2015

Semi-annual groundwater monitoring and sampling was conducted in MW-3 by AES personnel on September 15, 2015, and groundwater gauging of all site wells was conducted on December 8, 2015. Groundwater samples from MW-3 were laboratory analyzed for BTEX per USEPA Method 8021 and TPH (GRO, DRO, and MRO) per USEPA Method 8015 at Hall in Albuquerque, New Mexico.

## *3.1 Groundwater Analytical Results – September 2015*

MW-3 was sampled on September 15, 2015. Dissolved phase benzene, toluene, ethylbenzene, and xylene concentrations were below laboratory detection limits and applicable New Mexico WQCC standards in MW-3. TPH concentrations as GRO were reported above laboratory detection limit at 0.13 mg/L, and DRO and MRO were reported below laboratory detection limits. Tabulated laboratory analytical results are included in Table 2, and contaminant concentrations are included in Figure 3. Laboratory analytical reports for September 2015 are included in the Appendix.

## *3.2 Groundwater Measurements – December 2015*

On December 8, 2015, groundwater measurements were recorded for MW-1 through MW-11. Average groundwater elevations decreased 0.83 feet between March and December 2015. Groundwater gradient was calculated between MW-9 and MW-10, with a magnitude of 0.006 ft/ft to the west-southwest. Depth to groundwater ranged from 15.21 feet below top of casing (TOC) in MW-6 to 31.48 feet below TOC in MW-1. Depth to groundwater measurements are presented in Table 1, and groundwater elevation contours are included in Figure 2B.

# 4.0 Remediation System Operations - 2015

AES operated the Remediation Service International (RSI) mobile extraction and treatment system at the site to treat residual contaminants. The system was set up in MW-1, the only well with measurable free product, and was operated between April 23 and May 28, 2015. Vapor extraction flow rates averaged approximately 12 standard cubic feet per minute (SCFM). The cumulative process flow volume was approximately 135,149 SCFM from April 23 through May 28, 2015, and approximately 14 lbs of petroleum hydrocarbons were removed from the subsurface (as vapors) and utilized as supplemental fuel in the RSI unit.

It is estimated that approximately **1,860 lbs of petroleum hydrocarbons** (300 gallons) were removed through total fluids/free product removal (i.e. multiphase extraction) and storage in the onsite tank, along with petroleum hydrocarbons utilized as a supplemental fuel to operate the RSI unit. Note that mass removal calculations do not include petroleum hydrocarbon reductions resulting from natural attenuation or biodegradation.

## 5.0 Pilot Test - Free Product Removal via Solar Sipper Pump

To pilot test recovery of free product during the winter months while the RSI unit was off-line, AES installed a Geotech Solar Sipper™ free product recovery pump in MW-1 on January 21, 2015, and utilized the unit through February 4, 2015. During that period a total of 1.3 gallons of free product were extracted from MW-1. Based on the results, this method of free product recovery was determined to be technically ineffective.

## 6.0 Conclusions and Recommendations

AES conducted groundwater monitoring and sampling at the BMG Highway 537 Truck Receiving Station on March 27 and September 15, 2015. During the March 2015 event, free product continued to be observed in MW-1, decreasing from a measurable thickness of 1.16 ft (December 2014) to 0.28 ft (March 2015) and increasing again to 1.64 ft (December 2015). Note that average groundwater elevations increased 1.18 feet between December 2014 and March 2015 but then decreased by an average of 0.83 feet between March and December 2015. Groundwater gradient for both events was calculated to be approximately 0.006 ft/ft to 0.007 ft/ft in a west-southwestern direction, which is consistent with historic site data.

On March 27 and September 15, 2015, groundwater samples were collected from monitor well MW-3. MW-1 was not sampled due to the presence of NAPL. Monitor wells MW-2 and MW-4 through MW-11 have remained below the WQCC standards for BTEX for eight or more consecutive sampling events and therefore were not sampled in 2015.

In MW-3, dissolved phase BTEX concentrations remained below the applicable WQCC standards in March and September 2015 sampling events. In March 2015, GRO concentrations were reported at 0.056 mg/L, and DRO was reported at 1.1 mg/L. In September 2015, GRO was reported at 0.13 mg/L. Remaining TPH concentrations were below laboratory detection limits.

Based on laboratory analytical results and current remedial efforts, AES recommends continuing groundwater monitoring and sampling of monitor wells MW-1 and MW-3 on a

semi-annual basis during active remediation. AES will also evaluate further mechanical remediation efforts in MW-1.

## 7.0 Scheduled Site Activities

The following site activities have been tentatively scheduled in 2016:

- First semi-annual monitoring and sampling event scheduled for June 2016. Sample MW-3 and gauge all wells;
- Possible installation of skimmer pump or passive skimmer for collection of free product during summer months;
- Second semi-annual monitoring and sampling scheduled for November or December 2016. Sample MW-3 and gauge all wells.

If you have any questions regarding this report or site conditions, please do not hesitate to contact Elizabeth McNally at (505) 564-2281.

Sincerely,

Delilah T. Dougi
Geologist

Elizabeth McNally, P.E.

### Tables

Table 1. Summary of Groundwater Measurement and Water Quality Data
Table 2. Summary of Groundwater Analytical Results

### Figures

Figure 1. Topographic Site Location Map
Figure 2A. Site Plan with Groundwater Elevation Contours, March 2015
Figure 2B. Site Plan with Groundwater Elevation Contours, December 2015
Figure 3. Groundwater Contaminant Concentrations, March and September 2015

## Graphs

Graph 1. MW-3 Groundwater Elevations and Benzene Concentrations Over Time

## Appendix

Water Sample Collection Forms—March 2015
Hall Analytical Report 1503D26 (March 2015)
Hall Analytical Report 1509715 (September 2015)

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TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-1** | 05-Mar-09 | 27.95 | 7064.66 | 7036.71 | 12.29 | 5.231 | 1.27 | 6.64 | -36.1 |
| **MW-1** | 11-Sep-09 | 28.66 | 7064.66 | 7036.00 | 13.15 | 7.016 | 0.65 | 8.60 | -118.5 |
| **MW-1** | 15-Jan-10 | 28.91 | 7064.66 | 7035.75 | 13.30 | 3.714 | 2.74 | 6.79 | -167.8 |
| **MW-1** | 15-Oct-10 | 29.20 | 7064.66 | 7035.46 | 13.77 | 4.642 | 1.51 | 7.14 | -17.9 |
| **MW-1** | 21-Jan-11 | 29.28 | 7064.66 | 7035.38 | 12.42 | 4.246 | 1.63 | 6.92 | -85.8 |
| **MW-1** | 12-May-11 | 28.93 | 7064.66 | 7035.73 | 13.08 | 3.830 | 2.95 | 7.00 | -96.1 |
| **MW-1** | 12-Aug-11 | 29.67 | 7064.66 | 7034.99 | 14.03 | 4.637 | 3.83 | 6.94 | -107.9 |
| **MW-1** | 16-Nov-11 | 29.82 | 7064.66 | 7034.84 | 11.57 | 4.385 | 2.89 | 5.35 | -69.7 |
| **MW-1** | 21-Feb-12 | 29.77 | 7064.66 | 7034.89 | 12.01 | 4.063 | 1.09 | 6.78 | -123.9 |
| **MW-1** | 24-May-12 | 29.77 | 7064.66 | 7034.89 | 12.94 | 4.563 | 1.04 | 6.95 | -46.5 |
| **MW-1** | 10-Sep-12 | 30.14 | 7064.66 | 7034.52 | 14.63 | 4.705 | 1.16 | 7.12 | -15.7 |
| **MW-1** | 04-Dec-12 | 30.33 | 7064.66 | 7034.33 | 12.55 | 4.430 | 1.30 | 7.11 | -7.1 |
| **MW-1** | 26-Mar-13 | 29.87 | 7064.66 | 7034.79 | 12.20 | 4.556 | 1.66 | 6.72 | -5.9 |
| **MW-1** | 01-Jul-13 | 30.41 | 7064.66 | 7034.25 | 13.52 | 4.372 | 3.61 | 7.18 | 9.2 |
| **MW-1** | 25-Sep-13 | 29.51 | 7064.66 | 7035.15 | 12.62 | 8.264 | 1.64 | 7.21 | -48.6 |
| **MW-1** | 14-Jan-14 | 30.10 | 7064.66 | 7034.56 | 12.78 | 4.905 | 1.75 | NM | -59.5 |
| **MW-1** | 04-Apr-14 | 31.02 | 7064.66 | 7033.64 | Not Measured - Free Product Present (1.18 ft thickness) | | | | |
| **MW-1** | 26-Sep-14 | 30.90 | 7064.66 | 7033.76 | Not Measured - Free Product Present (0.65 ft thickness) | | | | |
| **MW-1** | 03-Dec-14 | 31.47 | 7064.66 | 7033.19 | Not Measured - Free Product Present (1.16 ft thickness) | | | | |
| **MW-1** | 27-Mar-15 | 29.63 | 7064.66 | 7035.03 | Not Measured - Free Product Present (0.28 ft thickness) | | | | |
| **MW-1** | 08-Dec-15 | 31.48 | 7064.66 | 7033.18 | Not Measured - Free Product Present (1.64 ft thickness) | | | | |
| | | | | | | | | | |
| **MW-2** | 05-Mar-09 | 27.69 | 7064.65 | 7036.96 | 12.00 | 4.567 | 2.59 | 6.82 | -29.8 |
| **MW-2** | 10-Sep-09 | 28.38 | 7064.65 | 7036.27 | 12.93 | 6.480 | 1.09 | 7.58 | 62.2 |
| **MW-2** | 15-Jan-10 | 28.62 | 7064.65 | 7036.03 | 12.49 | 3.604 | 2.10 | 7.57 | -70.3 |
| **MW-2** | 14-Oct-10 | 28.91 | 7064.65 | 7035.74 | 12.49 | 3.968 | 1.71 | 7.40 | 98.9 |
| **MW-2** | 21-Jan-11 | 28.99 | 7064.65 | 7035.66 | 11.44 | 4.045 | 1.62 | 8.56 | -6.2 |

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| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-2** | 12-May-11 | 28.63 | 7064.65 | 7036.02 | 13.14 | 4.087 | 1.43 | 7.67 | -66.7 |
| **MW-2** | 12-Aug-11 | 29.37 | 7064.65 | 7035.28 | 14.08 | 4.102 | 4.36 | 7.09 | 160.2 |
| **MW-2** | 16-Nov-11 | 29.52 | 7064.65 | 7035.13 | 11.60 | 4.021 | 2.48 | 7.51 | 176.2 |
| **MW-2** | 21-Feb-12 | 29.46 | 7064.65 | 7035.19 | NM | NM | NM | NM | NM |
| **MW-2** | 24-May-12 | 29.47 | 7064.65 | 7035.18 | NM | NM | NM | NM | NM |
| **MW-2** | 10-Sep-12 | 29.84 | 7064.65 | 7034.81 | NM | NM | NM | NM | NM |
| **MW-2** | 04-Dec-12 | 30.03 | 7064.65 | 7034.62 | NM | NM | NM | NM | NM |
| **MW-2** | 26-Mar-13 | 29.60 | 7064.65 | 7035.05 | NM | NM | NM | NM | NM |
| **MW-2** | 27-Jun-13 | 30.11 | 7064.65 | 7034.54 | NM | NM | NM | NM | NM |
| **MW-2** | 25-Sep-13 | 29.28 | 7064.65 | 7035.37 | NM | NM | NM | NM | NM |
| **MW-2** | 14-Jan-14 | 29.81 | 7064.65 | 7034.84 | NM | NM | NM | NM | NM |
| **MW-2** | 04-Apr-14 | 29.84 | 7064.65 | 7034.81 | NM | NM | NM | NM | NM |
| **MW-2** | 10-Sep-14 | 29.88 | 7064.65 | 7034.77 | NM | NM | NM | NM | NM |
| **MW-2** | 03-Dec-14 | 30.24 | 7064.65 | 7034.41 | NM | NM | NM | NM | NM |
| **MW-2** | 27-Mar-15 | 29.16 | 7064.65 | 7035.49 | NM | NM | NM | NM | NM |
| **MW-2** | 08-Dec-15 | 29.90 | 7064.65 | 7034.75 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-3** | 05-Mar-09 | 27.16 | 7064.01 | 7036.85 | 12.29 | 4.310 | 2.17 | 6.66 | -28.2 |
| **MW-3** | 11-Sep-09 | 27.99 | 7064.01 | 7036.02 | 13.50 | 6.080 | 0.53 | 9.43 | -163.6 |
| **MW-3** | 15-Jan-10 | 28.22 | 7064.01 | 7035.79 | 11.99 | 3.607 | 1.85 | 7.27 | -222.5 |
| **MW-3** | 14-Oct-10 | 28.54 | 7064.01 | 7035.47 | 12.41 | 4.180 | 1.46 | 7.24 | -53.1 |
| **MW-3** | 21-Jan-11 | 28.60 | 7064.01 | 7035.41 | 11.92 | 4.224 | 1.60 | 7.20 | -122.5 |
| **MW-3** | 12-May-11 | 28.21 | 7064.01 | 7035.80 | 12.56 | 4.172 | 2.25 | 7.28 | -145.8 |
| **MW-3** | 12-Aug-11 | 29.02 | 7064.01 | 7034.99 | 13.32 | 4.372 | 2.35 | 7.17 | -158.5 |
| **MW-3** | 16-Nov-11 | 29.14 | 7064.01 | 7034.87 | 10.87 | 4.326 | 2.17 | 6.53 | -105.7 |
| **MW-3** | 21-Feb-12 | 29.07 | 7064.01 | 7034.94 | 11.36 | 4.481 | 1.01 | 7.09 | -118.0 |
| **MW-3** | 24-May-12 | 29.09 | 7064.01 | 7034.92 | 13.30 | 4.325 | 0.81 | 7.07 | -70.3 |

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|---|---|---|---|---|---|---|---|---|---|
| **MW-3** | 10-Sep-12 | 29.45 | 7064.01 | 7034.56 | 13.26 | 4.377 | 2.49 | 7.23 | -42.7 |
| **MW-3** | 04-Dec-12 | 29.65 | 7064.01 | 7034.36 | 12.08 | 4.294 | 0.69 | 7.26 | -46.8 |
| **MW-3** | 26-Mar-13 | 29.12 | 7064.01 | 7034.89 | 11.93 | 2.337 | 5.85 | 7.46 | 59.3 |
| **MW-3** | 01-Jul-13 | 29.74 | 7064.01 | 7034.27 | 14.64 | 4.119 | 11.22 | 7.69 | -36.8 |
| **MW-3** | 25-Sep-13 | 28.65 | 7064.01 | 7035.36 | 12.50 | 7.764 | 2.08 | 7.22 | -79.5 |
| **MW-3** | 14-Jan-14 | 29.38 | 7064.01 | 7034.63 | 12.23 | 4.764 | 1.74 | NM | -59.9 |
| **MW-3** | 10-Sep-14 | 29.39 | 7064.01 | 7034.62 | NM | NM | NM | NM | NM |
| **MW-3** | 26-Sep-14 | 13.68 | 7064.01 | 7050.33 | 12.88 | 2.718 | 2.69 | 7.11 | 27.2 |
| **MW-3** | 03-Dec-14 | 29.83 | 7064.01 | 7034.18 | NM | NM | NM | NM | NM |
| **MW-3** | 27-Mar-15 | 28.60 | 7064.01 | 7035.41 | 13.42 | 3.458 | 28.8 | 6.98 | 1.9 |
| **MW-3** | 08-Dec-15 | 29.45 | 7064.01 | 7034.56 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-4** | 05-Mar-09 | 27.39 | 7063.72 | 7036.33 | 12.36 | 4.760 | 1.72 | 6.58 | -29.2 |
| **MW-4** | 06-Apr-09 | 27.58 | 7063.72 | 7036.14 | 11.87 | 4.599 | 2.06 | 6.75 | 18.0 |
| **MW-4** | 10-Sep-09 | 28.12 | 7063.72 | 7035.60 | 13.09 | 6.337 | 0.81 | 6.98 | 54.6 |
| **MW-4** | 15-Jan-10 | 28.34 | 7063.72 | 7035.38 | 11.65 | 3.812 | 2.78 | 7.20 | -125.1 |
| **MW-4** | 15-Oct-10 | 28.64 | 7063.72 | 7035.08 | 12.52 | 4.491 | 1.42 | 7.13 | 42.8 |
| **MW-4** | 21-Jan-11 | 28.72 | 7063.72 | 7035.00 | 11.90 | 4.748 | 1.14 | 7.19 | 5.4 |
| **MW-4** | 12-May-11 | 28.39 | 7063.72 | 7035.33 | 13.11 | 4.576 | 2.58 | 7.29 | -25.8 |
| **MW-4** | 12-Aug-11 | 29.10 | 7063.72 | 7034.62 | 13.89 | 4.759 | 3.98 | 6.85 | 74.9 |
| **MW-4** | 16-Nov-11 | 29.26 | 7063.72 | 7034.46 | 11.66 | 4.725 | 2.15 | 7.11 | 153.0 |
| **MW-4** | 21-Feb-12 | 29.22 | 7063.72 | 7034.50 | 10.27 | 4.927 | 1.02 | 7.02 | -11.3 |
| **MW-4** | 24-May-12 | 29.23 | 7063.72 | 7034.49 | 13.75 | 4.687 | 1.04 | 6.98 | 39.3 |
| **MW-4** | 10-Sep-12 | 29.58 | 7063.72 | 7034.14 | NM | NM | NM | NM | NM |
| **MW-4** | 04-Dec-12 | 29.77 | 7063.72 | 7033.95 | NM | NM | NM | NM | NM |
| **MW-4** | 26-Mar-13 | 29.33 | 7063.72 | 7034.39 | NM | NM | NM | NM | NM |
| **MW-4** | 27-Jun-13 | 29.85 | 7063.72 | 7033.87 | NM | NM | NM | NM | NM |

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|---|---|---|---|---|---|---|---|---|---|
| **MW-4** | 25-Sep-13 | 28.96 | 7063.72 | 7034.76 | NM | NM | NM | NM | NM |
| **MW-4** | 14-Jan-14 | 29.54 | 7063.72 | 7034.18 | NM | NM | NM | NM | NM |
| **MW-4** | 04-Apr-14 | 29.54 | 7063.72 | 7034.18 | 12.16 | 0.435 | 2.86 | 6.90 | 89.4 |
| **MW-4** | 10-Sep-14 | 29.60 | 7063.72 | 7034.12 | NM | NM | NM | NM | NM |
| **MW-4** | 03-Dec-14 | 29.97 | 7063.72 | 7033.75 | NM | NM | NM | NM | NM |
| **MW-4** | 27-Mar-15 | 28.89 | 7063.72 | 7034.83 | NM | NM | NM | NM | NM |
| **MW-4** | 08-Dec-15 | 29.58 | 7063.72 | 7034.14 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-5** | 05-Mar-09 | 28.24 | 7064.79 | 7036.55 | 11.80 | 6.088 | 3.89 | 6.61 | -17.3 |
| **MW-5** | 10-Sep-09 | 28.87 | 7064.79 | 7035.92 | 12.78 | 7.785 | 1.22 | 7.09 | 60.5 |
| **MW-5** | 15-Jan-10 | 29.10 | 7064.79 | 7035.69 | 11.19 | 4.288 | 1.93 | 7.27 | -85.8 |
| **MW-5** | 14-Oct-10 | 29.38 | 7064.79 | 7035.41 | 12.34 | 4.725 | 1.24 | 7.23 | 98.1 |
| **MW-5** | 21-Jan-11 | 29.47 | 7064.79 | 7035.32 | 11.93 | 5.038 | 2.71 | 7.31 | 103.9 |
| **MW-5** | 12-May-11 | 29.17 | 7064.79 | 7035.62 | 12.40 | 4.957 | 2.44 | 7.42 | -44.4 |
| **MW-5** | 12-Aug-11 | 29.84 | 7064.79 | 7034.95 | 13.73 | 4.968 | 3.87 | 6.83 | 189.8 |
| **MW-5** | 16-Nov-11 | 30.00 | 7064.79 | 7034.79 | 11.16 | 4.814 | 4.47 | 7.18 | 290.4 |
| **MW-5** | 21-Feb-12 | 29.96 | 7064.79 | 7034.83 | NM | NM | NM | NM | NM |
| **MW-5** | 25-May-12 | 29.96 | 7064.79 | 7034.83 | NM | NM | NM | NM | NM |
| **MW-5** | 10-Sep-12 | 30.31 | 7064.79 | 7034.48 | NM | NM | NM | NM | NM |
| **MW-5** | 04-Dec-12 | 30.52 | 7064.79 | 7034.27 | NM | NM | NM | NM | NM |
| **MW-5** | 26-Mar-13 | 30.14 | 7064.79 | 7034.65 | NM | NM | NM | NM | NM |
| **MW-5** | 27-Jun-13 | 30.60 | 7064.79 | 7034.19 | NM | NM | NM | NM | NM |
| **MW-5** | 25-Sep-13 | 29.87 | 7064.79 | 7034.92 | NM | NM | NM | NM | NM |
| **MW-5** | 14-Jan-14 | 30.31 | 7064.79 | 7034.48 | NM | NM | NM | NM | NM |
| **MW-5** | 04-Apr-14 | 30.30 | 7064.79 | 7034.49 | NM | NM | NM | NM | NM |
| **MW-5** | 10-Sep-14 | 30.37 | 7064.79 | 7034.42 | NM | NM | NM | NM | NM |
| **MW-5** | 03-Dec-14 | 30.70 | 7064.79 | 7034.09 | NM | NM | NM | NM | NM |

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-5** | 27-Mar-15 | 29.72 | 7064.79 | 7035.07 | NM | NM | NM | NM | NM |
| **MW-5** | 08-Dec-15 | 30.36 | 7064.79 | 7034.43 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-6** | 05-Mar-09 | 12.67 | 7049.54 | 7036.87 | 9.21 | 4.967 | 4.30 | 6.53 | 4.6 |
| **MW-6** | 10-Sep-09 | 13.90 | 7049.54 | 7035.64 | 11.85 | 6.287 | 1.15 | 7.12 | 75.9 |
| **MW-6** | 15-Jan-10 | 14.02 | 7049.54 | 7035.52 | 10.81 | 3.789 | 2.46 | 7.35 | -66.7 |
| **MW-6** | 15-Oct-10 | 14.39 | 7049.54 | 7035.15 | 12.45 | 4.353 | 1.40 | 7.24 | 20.7 |
| **MW-6** | 21-Jan-11 | 14.42 | 7049.54 | 7035.12 | 11.59 | 4.516 | 3.10 | 7.32 | -37.3 |
| **MW-6** | 12-May-11 | 14.00 | 7049.54 | 7035.54 | 10.69 | 4.349 | 1.89 | 7.47 | -24.9 |
| **MW-6** | 12-Aug-11 | 14.93 | 7049.54 | 7034.61 | 11.99 | 4.492 | 4.24 | 7.56 | 0.2 |
| **MW-6** | 16-Nov-11 | 14.99 | 7049.54 | 7034.55 | 12.01 | 4.398 | 2.74 | 6.46 | 182.1 |
| **MW-6** | 21-Feb-12 | 14.90 | 7049.54 | 7034.64 | NM | NM | NM | NM | NM |
| **MW-6** | 25-May-12 | 14.92 | 7049.54 | 7034.62 | NM | NM | NM | NM | NM |
| **MW-6** | 10-Sep-12 | NM | 7049.54 | NM | NM - Well is Dry | | | | |
| **MW-6** | 04-Dec-12 | 15.48 | 7049.54 | 7034.06 | NM | NM | NM | NM | NM |
| **MW-6** | 26-Mar-13 | 14.79 | 7049.54 | 7034.75 | NM | NM | NM | NM | NM |
| **MW-6** | 27-Jun-13 | 15.60 | 7049.54 | 7033.94 | NM | NM | NM | NM | NM |
| **MW-6** | 25-Sep-13 | 14.92 | 7049.54 | 7034.62 | NM | NM | NM | NM | NM |
| **MW-6** | 14-Jan-14 | 15.17 | 7049.54 | 7034.37 | NM | NM | NM | NM | NM |
| **MW-6** | 04-Apr-14 | 15.20 | 7049.54 | 7034.34 | NM | NM | NM | NM | NM |
| **MW-6** | 10-Sep-14 | 15.06 | 7049.54 | 7034.48 | NM | NM | NM | NM | NM |
| **MW-6** | 03-Dec-14 | 15.66 | 7049.54 | 7033.88 | NM | NM | NM | NM | NM |
| **MW-6** | 27-Mar-15 | 14.09 | 7049.54 | 7035.45 | NM | NM | NM | NM | NM |
| **MW-6** | 08-Dec-15 | 15.21 | 7049.54 | 7034.33 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-7** | 06-Mar-09 | 26.34 | 7062.80 | 7036.46 | 11.40 | 4.951 | 2.17 | 6.50 | -3.3 |
| **MW-7** | 10-Sep-09 | 27.23 | 7062.80 | 7035.57 | 12.61 | 6.288 | 1.03 | 7.05 | 51.0 |

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-7** | 15-Jan-10 | 27.44 | 7062.80 | 7035.36 | 11.02 | 3.820 | 2.92 | 7.27 | -66.3 |
| **MW-7** | 14-Oct-10 | 27.76 | 7062.80 | 7035.04 | 12.79 | 4.047 | 1.24 | 7.19 | 68.6 |
| **MW-7** | 21-Jan-11 | 27.82 | 7062.80 | 7034.98 | 10.79 | 4.205 | 2.22 | 7.37 | 42.0 |
| **MW-7** | 12-May-11 | 27.46 | 7062.80 | 7035.34 | 12.80 | 4.118 | 1.73 | 7.38 | -70.4 |
| **MW-7** | 12-Aug-11 | 28.24 | 7062.80 | 7034.56 | 13.88 | 4.119 | 2.90 | 7.30 | 112.8 |
| **MW-7** | 16-Nov-11 | 28.38 | 7062.80 | 7034.42 | 11.24 | 4.077 | 2.75 | 6.32 | 168.0 |
| **MW-7** | 21-Feb-12 | 28.31 | 7062.80 | 7034.49 | NM | NM | NM | NM | NM |
| **MW-7** | 24-May-12 | 28.34 | 7062.80 | 7034.46 | NM | NM | NM | NM | NM |
| **MW-7** | 10-Sep-12 | 28.69 | 7062.80 | 7034.11 | NM | NM | NM | NM | NM |
| **MW-7** | 04-Dec-12 | 28.86 | 7062.80 | 7033.94 | NM | NM | NM | NM | NM |
| **MW-7** | 26-Mar-13 | 28.33 | 7062.80 | 7034.47 | NM | NM | NM | NM | NM |
| **MW-7** | 27-Jun-13 | 28.97 | 7062.80 | 7033.83 | NM | NM | NM | NM | NM |
| **MW-7** | 25-Sep-13 | 27.78 | 7062.80 | 7035.02 | NM | NM | NM | NM | NM |
| **MW-7** | 14-Jan-14 | 28.61 | 7062.80 | 7034.19 | NM | NM | NM | NM | NM |
| **MW-7** | 04-Apr-14 | 28.62 | 7062.80 | 7034.18 | NM | NM | NM | NM | NM |
| **MW-7** | 10-Sep-14 | 28.58 | 7062.80 | 7034.22 | NM | NM | NM | NM | NM |
| **MW-7** | 03-Dec-14 | 29.02 | 7062.80 | 7033.78 | NM | NM | NM | NM | NM |
| **MW-7** | 27-Mar-15 | 27.76 | 7062.80 | 7035.04 | NM | NM | NM | NM | NM |
| **MW-7** | 08-Dec-15 | 28.62 | 7062.80 | 7034.18 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-8** | 06-Mar-09 | 27.49 | 7063.27 | 7035.78 | 11.91 | 4.731 | 2.14 | 6.40 | -4.4 |
| **MW-8** | 10-Sep-09 | 28.14 | 7063.27 | 7035.13 | 13.53 | 5.987 | 1.12 | 8.51 | -93.2 |
| **MW-8** | 15-Jan-10 | 28.39 | 7063.27 | 7034.88 | 11.43 | 2.891 | 1.86 | 6.68 | -162.2 |
| **MW-8** | 15-Oct-10 | 28.70 | 7063.27 | 7034.57 | 12.80 | 4.017 | 1.21 | 7.04 | -39.1 |
| **MW-8** | 21-Jan-11 | 28.80 | 7063.27 | 7034.47 | 12.30 | 4.002 | 1.55 | 7.08 | -91.2 |
| **MW-8** | 12-May-11 | 28.52 | 7063.27 | 7034.75 | 13.16 | 3.966 | 1.60 | 7.16 | -121.2 |
| **MW-8** | 12-Aug-11 | 29.19 | 7063.27 | 7034.08 | 13.85 | 4.194 | 3.45 | 6.97 | -148.3 |

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-8** | 16-Nov-11 | 29.35 | 7063.27 | 7033.92 | 11.49 | 4.218 | 2.57 | 6.49 | -115.4 |
| **MW-8** | 21-Feb-12 | 29.31 | 7063.27 | 7033.96 | 12.21 | 4.500 | 0.88 | 6.96 | -116.0 |
| **MW-8** | 24-May-12 | 29.34 | 7063.27 | 7033.93 | 13.43 | 4.402 | 0.65 | 6.93 | -41.2 |
| **MW-8** | 10-Sep-12 | 29.68 | 7063.27 | 7033.59 | 12.98 | 4.499 | 1.34 | 7.12 | -27.3 |
| **MW-8** | 04-Dec-12 | 29.87 | 7063.27 | 7033.40 | 12.53 | 3.045 | 3.78 | 7.13 | -3.1 |
| **MW-8** | 26-Mar-13 | 29.47 | 7063.27 | 7033.80 | 12.65 | 4.449 | 4.10 | 6.95 | 22.0 |
| **MW-8** | 27-Jun-13 | 29.97 | 7063.27 | 7033.30 | 14.39 | 6.908 | 8.14 | 7.01 | -43.6 |
| **MW-8** | 25-Sep-13 | 29.14 | 7063.27 | 7034.13 | NM | NM | NM | NM | NM |
| **MW-8** | 14-Jan-14 | 29.65 | 7063.27 | 7033.62 | NM | NM | NM | NM | NM |
| **MW-8** | 04-Apr-14 | 29.64 | 7063.27 | 7033.63 | 13.14 | 0.424 | 1.70 | 6.80 | -14.9 |
| **MW-8** | 04-Apr-14 | 29.68 | 7063.27 | 7033.59 | NM | NM | NM | NM | NM |
| **MW-8** | 03-Dec-14 | 30.00 | 7063.27 | 7033.27 | NM | NM | NM | NM | NM |
| **MW-8** | 27-Mar-15 | 29.02 | 7063.27 | 7034.25 | NM | NM | NM | NM | NM |
| **MW-8** | 08-Dec-15 | 29.59 | 7063.27 | 7033.68 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-9** | 06-Mar-09 | 27.60 | 7062.60 | 7035.00 | 9.47 | 5.418 | 5.12 | 6.39 | -1.8 |
| **MW-9** | 06-Apr-09 | 27.74 | 7062.60 | 7034.86 | 11.86 | 5.174 | 2.24 | 6.72 | 25.2 |
| **MW-9** | 10-Sep-09 | 28.19 | 7062.60 | 7034.41 | 13.10 | 7.257 | 0.86 | 7.03 | -129.8 |
| **MW-9** | 15-Jan-10 | 28.42 | 7062.60 | 7034.18 | 10.89 | 3.960 | 2.29 | 7.13 | -187.4 |
| **MW-9** | 15-Oct-10 | 28.74 | 7062.60 | 7033.86 | 12.85 | 4.561 | 1.89 | 7.17 | -74.4 |
| **MW-9** | 21-Jan-11 | 28.85 | 7062.60 | 7033.75 | 12.67 | 4.452 | 1.34 | 7.16 | -90.8 |
| **MW-9** | 12-May-11 | 28.61 | 7062.60 | 7033.99 | 13.12 | 4.120 | 2.31 | 7.28 | -94.1 |
| **MW-9** | 12-Aug-11 | 29.22 | 7062.60 | 7033.38 | 12.92 | 4.492 | 5.42 | 7.33 | -132.7 |
| **MW-9** | 16-Nov-11 | 29.41 | 7062.60 | 7033.19 | 11.80 | 4.402 | 2.67 | 5.56 | -75.1 |
| **MW-9** | 21-Feb-12 | 29.39 | 7062.60 | 7033.21 | 11.89 | 4.241 | 1.37 | 6.95 | -127.0 |
| **MW-9** | 24-May-12 | 29.39 | 7062.60 | 7033.21 | 13.68 | 4.470 | 0.80 | 7.08 | -56.4 |
| **MW-9** | 10-Sep-12 | 29.73 | 7062.60 | 7032.87 | 13.41 | 4.439 | 1.41 | 7.13 | -52.2 |

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-9** | 04-Dec-12 | 29.90 | 7062.60 | 7032.70 | 12.87 | 4.374 | 1.34 | 7.19 | -60.5 |
| **MW-9** | 26-Mar-13 | 29.56 | 7062.60 | 7033.04 | 12.57 | 4.396 | 1.24 | 6.72 | -15.8 |
| **MW-9** | 27-Jun-13 | 30.00 | 7062.60 | 7032.60 | 20.04 | 6.761 | 2.38 | 7.10 | -48.5 |
| **MW-9** | 25-Sep-13 | 29.28 | 7062.60 | 7033.32 | 13.08 | 8.437 | 2.44 | 7.19 | -84.6 |
| **MW-9** | 14-Jan-14 | 29.68 | 7062.60 | 7032.92 | 12.61 | 5.160 | 1.11 | NM | -54.8 |
| **MW-9** | 04-Apr-14 | 29.69 | 7062.60 | 7032.91 | 12.89 | 0.407 | 2.81 | 6.89 | -48.2 |
| **MW-9** | 10-Sep-14 | 29.72 | 7062.60 | 7032.88 | NM | NM | NM | NM | NM |
| **MW-9** | 03-Dec-14 | 30.00 | 7062.60 | 7032.60 | NM | NM | NM | NM | NM |
| **MW-9** | 27-Mar-15 | 29.12 | 7062.60 | 7033.48 | NM | NM | NM | NM | NM |
| **MW-9** | 08-Dec-15 | 29.55 | 7062.60 | 7033.05 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-10** | 09-Mar-09 | 26.25 | 7063.27 | 7037.02 | 10.51 | 4.572 | 3.44 | 6.62 | 15.6 |
| **MW-10** | 10-Sep-09 | 27.10 | 7063.27 | 7036.17 | 12.62 | 5.133 | 1.83 | 6.97 | 80.7 |
| **MW-10** | 15-Jan-10 | 27.29 | 7063.27 | 7035.98 | 10.82 | 3.210 | 2.47 | 7.10 | -99.3 |
| **MW-10** | 14-Oct-10 | 27.61 | 7063.27 | 7035.66 | 11.98 | 3.811 | 1.80 | 7.22 | 119.2 |
| **MW-10** | 21-Jan-11 | 27.66 | 7063.27 | 7035.61 | 10.73 | 3.946 | 1.78 | 7.45 | 90.1 |
| **MW-10** | 12-May-11 | 27.28 | 7063.27 | 7035.99 | 12.26 | 3.839 | 1.34 | 7.26 | 84.9 |
| **MW-10** | 12-Aug-11 | 28.08 | 7063.27 | 7035.19 | 12.84 | 3.948 | 4.99 | 6.62 | 175.8 |
| **MW-10** | 16-Nov-11 | 28.20 | 7063.27 | 7035.07 | 10.81 | 3.912 | 2.81 | 6.17 | 190.7 |
| **MW-10** | 21-Feb-12 | 28.13 | 7063.27 | 7035.14 | NM | NM | NM | NM | NM |
| **MW-10** | 24-May-12 | 28.15 | 7063.27 | 7035.12 | NM | NM | NM | NM | NM |
| **MW-10** | 10-Sep-12 | 28.54 | 7063.27 | 7034.73 | NM | NM | NM | NM | NM |
| **MW-10** | 04-Dec-12 | 28.72 | 7063.27 | 7034.55 | NM | NM | NM | NM | NM |
| **MW-10** | 26-Mar-13 | 28.20 | 7063.27 | 7035.07 | NM | NM | NM | NM | NM |
| **MW-10** | 27-Jun-13 | 28.79 | 7063.27 | 7034.48 | NM | NM | NM | NM | NM |
| **MW-10** | 25-Sep-13 | 27.80 | 7063.27 | 7035.47 | NM | NM | NM | NM | NM |
| **MW-10** | 14-Jan-14 | 28.44 | 7063.27 | 7034.83 | NM | NM | NM | NM | NM |

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|
| **MW-10** | 04-Apr-14 | 28.46 | 7063.27 | 7034.81 | NM | NM | NM | NM | NM |
| **MW-10** | 10-Sep-14 | 28.48 | 7063.27 | 7034.79 | NM | NM | NM | NM | NM |
| **MW-10** | 03-Dec-14 | 28.92 | 7063.27 | 7034.35 | NM | NM | NM | NM | NM |
| **MW-10** | 27-Mar-15 | 27.70 | 7063.27 | 7035.57 | NM | NM | NM | NM | NM |
| **MW-10** | 08-Dec-15 | 28.56 | 7063.27 | 7034.71 | NM | NM | NM | NM | NM |
| | | | | | | | | | |
| **MW-11** | 09-Mar-09 | 28.33 | 7064.10 | 7035.77 | 11.47 | 5.730 | 3.52 | 6.63 | 17.1 |
| **MW-11** | 10-Sep-09 | 28.88 | 7064.10 | 7035.22 | 13.32 | 7.785 | 0.67 | 7.02 | 61.2 |
| **MW-11** | 15-Jan-10 | 29.13 | 7064.10 | 7034.97 | 10.20 | 3.995 | 1.86 | 7.16 | -59.2 |
| **MW-11** | 14-Oct-10 | 29.44 | 7064.10 | 7034.66 | 13.00 | 4.901 | 1.93 | 7.20 | 94.5 |
| **MW-11** | 21-Jan-11 | 29.53 | 7064.10 | 7034.57 | 11.55 | 4.937 | 1.75 | 7.37 | 216.0 |
| **MW-11** | 12-May-11 | 29.25 | 7064.10 | 7034.85 | 12.97 | 4.701 | 2.71 | 7.41 | -16.0 |
| **MW-11** | 12-Aug-11 | 29.89 | 7064.10 | 7034.21 | 12.89 | 4.872 | 3.24 | 7.39 | 122.2 |
| **MW-11** | 16-Nov-11 | 30.07 | 7064.10 | 7034.03 | 11.49 | 4.762 | 3.61 | 7.00 | 307.9 |
| **MW-11** | 21-Feb-12 | 30.04 | 7064.10 | 7034.06 | NM | NM | NM | NM | NM |
| **MW-11** | 24-May-12 | 30.06 | 7064.10 | 7034.04 | NM | NM | NM | NM | NM |
| **MW-11** | 10-Sep-12 | 30.38 | 7064.10 | 7033.72 | NM | NM | NM | NM | NM |
| **MW-11** | 04-Dec-12 | 30.58 | 7064.10 | 7033.52 | NM | NM | NM | NM | NM |
| **MW-11** | 26-Mar-13 | 30.23 | 7064.10 | 7033.87 | NM | NM | NM | NM | NM |
| **MW-11** | 27-Jun-13 | 30.66 | 7064.10 | 7033.44 | NM | NM | NM | NM | NM |
| **MW-11** | 25-Sep-13 | 30.00 | 7064.10 | 7034.10 | NM | NM | NM | NM | NM |
| **MW-11** | 14-Jan-14 | 30.39 | 7064.10 | 7033.71 | NM | NM | NM | NM | NM |
| **MW-11** | 04-Apr-14 | 30.36 | 7064.10 | 7033.74 | NM | NM | NM | NM | NM |
| **MW-11** | 10-Sep-14 | 30.42 | 7064.10 | 7033.68 | NM | NM | NM | NM | NM |
| **MW-11** | 03-Dec-14 | 30.73 | 7064.10 | 7033.37 | NM | NM | NM | NM | NM |
| **MW-11** | 27-Mar-15 | 29.83 | 7064.10 | 7034.27 | NM | NM | NM | NM | NM |
| **MW-11** | 08-Dec-15 | 30.34 | 7064.10 | 7033.76 | NM | NM | NM | NM | NM |

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Depth to Water (ft) | Surveyed TOC (ft) | GW Elev. (ft) | Temperature (C) | Conductivity (mS) | DO (mg/L) | pH | ORP (mV) |
|---|---|---|---|---|---|---|---|---|---|

**NOTE:** NM = NOT MEASURED
NA = NOT AVAILABLE

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Benzene | Toluene | Ethyl-benzene | Total Xylenes | GRO | DRO | MRO |
|---|---|---|---|---|---|---|---|---|
| | | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(mg/L)* | *(mg/L)* | *(mg/L)* |
| ***Analytical Method*** | | **8021B** | **8021B** | **8021B** | **8021B** | **8015B** | **8015B** | **8015B** |
| ***New Mexico WQCC*** | | ***10*** | ***750*** | ***750*** | ***620*** | ***NE*** | ***NE*** | ***NE*** |
| | | | | | | | | |
| **MW-1** | 05-Mar-09 | **310** | 91 | 5.1 | 200 | 2.1 | <1.0 | <5.0 |
| **MW-1** | 11-Sep-09 | **1,500** | 1.1 | 48 | 170 | 4.8 | <1.0 | <5.0 |
| **MW-1** | 15-Jan-10 | **630** | <5.0 | 19 | 47 | 2.1 | <1.0 | <5.0 |
| **MW-1** | 15-Oct-10 | **960** | 53 | 37 | 94 | 4.1 | <1.0 | <5.0 |
| **MW-1** | 21-Jan-11 | **3,600** | <10 | 140 | 160 | 10 | <1.0 | <5.0 |
| **MW-1** | 12-May-11 | **7,800** | 42 | 270 | 33 | 19 | <1.0 | <5.0 |
| **MW-1** | 12-Aug-11 | **280** | <1.0 | 18 | <2.0 | 1.2 | <1.0 | <5.0 |
| **MW-1** | 16-Nov-11 | **2,700** | <5.0 | 76 | <10 | 3.9 | <1.0 | <5.0 |
| **MW-1** | 21-Feb-12 | **360** | <1.0 | 54 | <2.0 | 1.2 | <1.0 | <5.0 |
| **MW-1** | 24-May-12 | **210** | 2.1 | 31 | 5.1 | 0.59 | <1.0 | <5.0 |
| **MW-1** | 10-Sep-12 | **54** | <2.0 | 36 | <4.0 | 0.45 | <1.0 | <5.0 |
| **MW-1** | 04-Dec-12 | <2.0 | <2.0 | 17 | <4.0 | 0.19 | <1.0 | <5.0 |
| **MW-1** | 26-Mar-13 | 1.2 | <1.0 | 1.8 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-1** | 01-Jul-13 | 1.6 | <1.0 | 6.5 | <2.0 | 0.090 | <1.0 | <5.0 |
| **MW-1** | 25-Sep-13 | **180** | 2.9 | 36 | 8.8 | 0.53 | <1.0 | <5.0 |
| **MW-1** | 14-Jan-14 | **14** | <2.0 | 15 | <4.0 | 0.21 | <1.0 | <5.0 |
| **MW-1** | 04-Apr-14 | NS - Free Product Present (1.18 ft thickness) | | | | | | |
| **MW-1** | 26-Sep-14 | NS - Free Product Present (0.65 ft thickness) | | | | | | |
| | | | | | | | | |
| **MW-2** | 05-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 10-Sep-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 15-Jan-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 14-Oct-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 21-Jan-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-2** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-3** | 05-Mar-09 | **400** | **1,100** | 110 | **1,300** | 8.2 | 3.4 | <5.0 |
| **MW-3** | 11-Sep-09 | **380** | 27 | 26 | 61 | 4.2 | 9.6 | 6.0 |
| **MW-3** | 15-Jan-10 | **750** | 11 | 34 | <20 | 3.4 | 7.0 | 6.1 |
| **MW-3** | 14-Oct-10 | **140** | <1.0 | 6.8 | 2.8 | 0.76 | 1.9 | <5.0 |
| **MW-3** | 21-Jan-11 | **280** | <1.0 | 24 | 9.1 | 1.7 | 3.5 | <5.0 |
| **MW-3** | 12-May-11 | **980** | <1.0 | 42 | <2.0 | 3.0 | 4.8 | <5.0 |
| **MW-3** | 12-Aug-11 | **51** | <1.0 | 4.2 | <2.0 | 0.38 | <1.0 | <5.0 |
| **MW-3** | 16-Nov-11 | **63** | <1.0 | 6.0 | <2.0 | 0.46 | 3.3 | <5.0 |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Benzene | Toluene | Ethyl-benzene | Total Xylenes | GRO | DRO | MRO |
|---|---|---|---|---|---|---|---|---|
| | | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(mg/L)* | *(mg/L)* | *(mg/L)* |
| ***Analytical Method*** | | **8021B** | **8021B** | **8021B** | **8021B** | **8015B** | **8015B** | **8015B** |
| ***New Mexico WQCC*** | | ***10*** | ***750*** | ***750*** | ***620*** | ***NE*** | ***NE*** | ***NE*** |
| **MW-3** | 21-Feb-12 | 4.8 | <1.0 | <1.0 | <2.0 | 0.18 | <1.0 | <5.0 |
| **MW-3** | 24-May-12 | **50** | <1.0 | 3.0 | <2.0 | 0.33 | <1.0 | <5.0 |
| **MW-3** | 10-Sep-12 | 6.2 | <2.0 | <2.0 | <4.0 | 0.29 | <1.0 | <5.0 |
| **MW-3** | 04-Dec-12 | <2.0 | <2.0 | <2.0 | <4.0 | 0.26 | <1.0 | <5.0 |
| **MW-3** | 26-Mar-13 | 2.5 | <1.0 | <1.0 | <2.0 | 0.23 | <1.0 | <5.0 |
| **MW-3** | 01-Jul-13 | <1.0 | <1.0 | <1.0 | <2.0 | 0.11 | <1.0 | <5.0 |
| **MW-3** | 25-Sep-13 | **30** | <1.0 | 1.5 | 3.2 | 0.23 | <1.0 | <5.0 |
| **MW-3** | 14-Jan-14 | <1.0 | <1.0 | <1.0 | <2.0 | 0.12 | <1.0 | <5.0 |
| **MW-3** | 04-Apr-14 | <1.0 | <1.0 | <1.0 | <2.0 | 0.20 | <1.0 | <5.0 |
| **MW-3** | 26-Sep-14 | <1.0 | <1.0 | <1.0 | <2.0 | 0.095 | <1.0 | <5.0 |
| **MW-3** | 27-Mar-15 | <1.0 | <1.0 | <1.0 | <2.0 | 0.056 | 1.1 | <5.0 |
| **MW-3** | 15-Sep-15 | <1.0 | <1.0 | <1.0 | <1.5 | 0.13 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-4** | 05-Mar-09 | 2.7 | 1.4 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 06-Apr-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 10-Sep-09 | **13** | <1.0 | <1.0 | <2.0 | 0.051 | <1.0 | <5.0 |
| **MW-4** | 15-Jan-10 | 8.6 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 15-Oct-10 | 6.3 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 21-Jan-11 | 3.6 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 24-May-12 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-4** | 04-Apr-14 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-5** | 05-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 10-Sep-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 15-Jan-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 14-Oct-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 21-Jan-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-5** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-6** | 06-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-6** | 10-Sep-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Benzene | Toluene | Ethyl-benzene | Total Xylenes | GRO | DRO | MRO |
|---|---|---|---|---|---|---|---|---|
| | | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(mg/L)* | *(mg/L)* | *(mg/L)* |
| ***Analytical Method*** | | **8021B** | **8021B** | **8021B** | **8021B** | **8015B** | **8015B** | **8015B** |
| ***New Mexico WQCC*** | | ***10*** | ***750*** | ***750*** | ***620*** | ***NE*** | ***NE*** | ***NE*** |
| **MW-6** | 15-Jan-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-6** | 15-Oct-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-6** | 21-Jan-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-6** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-6** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-6** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-7** | 06-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 10-Sep-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 15-Jan-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 14-Oct-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 21-Jan-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-7** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-8** | 06-Mar-09 | **160** | 170 | 12 | 350 | 2.1 | 1.5 | <5.0 |
| **MW-8** | 11-Sep-09 | **1,200** | <20 | 36 | 75 | 4.1 | 1.1 | <5.0 |
| **MW-8** | 15-Jan-10 | **56** | <1.0 | 2.3 | 2.2 | 0.24 | <1.0 | <5.0 |
| **MW-8** | 15-Oct-10 | **50** | <1.0 | 1.7 | <2.0 | 0.21 | <1.0 | <5.0 |
| **MW-8** | 21-Jan-11 | **370** | <1.0 | 4.6 | <2.0 | 0.58 | <1.0 | <5.0 |
| **MW-8** | 12-May-11 | **430** | <1.0 | 25 | <2.0 | 1.4 | <1.0 | <5.0 |
| **MW-8** | 12-Aug-11 | 2.3 | <1.0 | <1.0 | <2.0 | 0.070 | <1.0 | <5.0 |
| **MW-8** | 16-Nov-11 | 1.5 | <1.0 | <1.0 | <2.0 | 0.17 | <1.0 | <5.0 |
| **MW-8** | 21-Feb-12 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-8** | 24-May-12 | <1.0 | <1.0 | <1.0 | <2.0 | 0.12 | <1.0 | <5.0 |
| **MW-8** | 10-Sep-12 | <1.0 | <1.0 | <1.0 | <2.0 | 0.16 | <1.0 | <5.0 |
| **MW-8** | 04-Dec-12 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-8** | 26-Mar-13 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-8** | 27-Jun-13 | <1.0 | <1.0 | <1.0 | <2.0 | 0.052 | <1.0 | <5.0 |
| **MW-8** | 04-Apr-14 | <1.0 | <1.0 | <1.0 | <2.0 | 0.072 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-9** | 06-Mar-09 | **170** | 350 | 49 | 530 | 2.5 | <1.0 | <5.0 |
| **MW-9** | 06-Apr-09 | **82** | 62 | 16 | 210 | 1.6 | <1.0 | <5.0 |
| **MW-9** | 10-Sep-09 | **46** | <1.0 | 3.8 | 19 | 0.86 | <1.0 | <5.0 |
| **MW-9** | 15-Jan-10 | **62** | <1.0 | 4.2 | 12 | 0.49 | <1.0 | <5.0 |
| **MW-9** | 15-Oct-10 | **53** | <1.0 | 2.3 | <2.0 | 0.22 | <1.0 | <5.0 |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

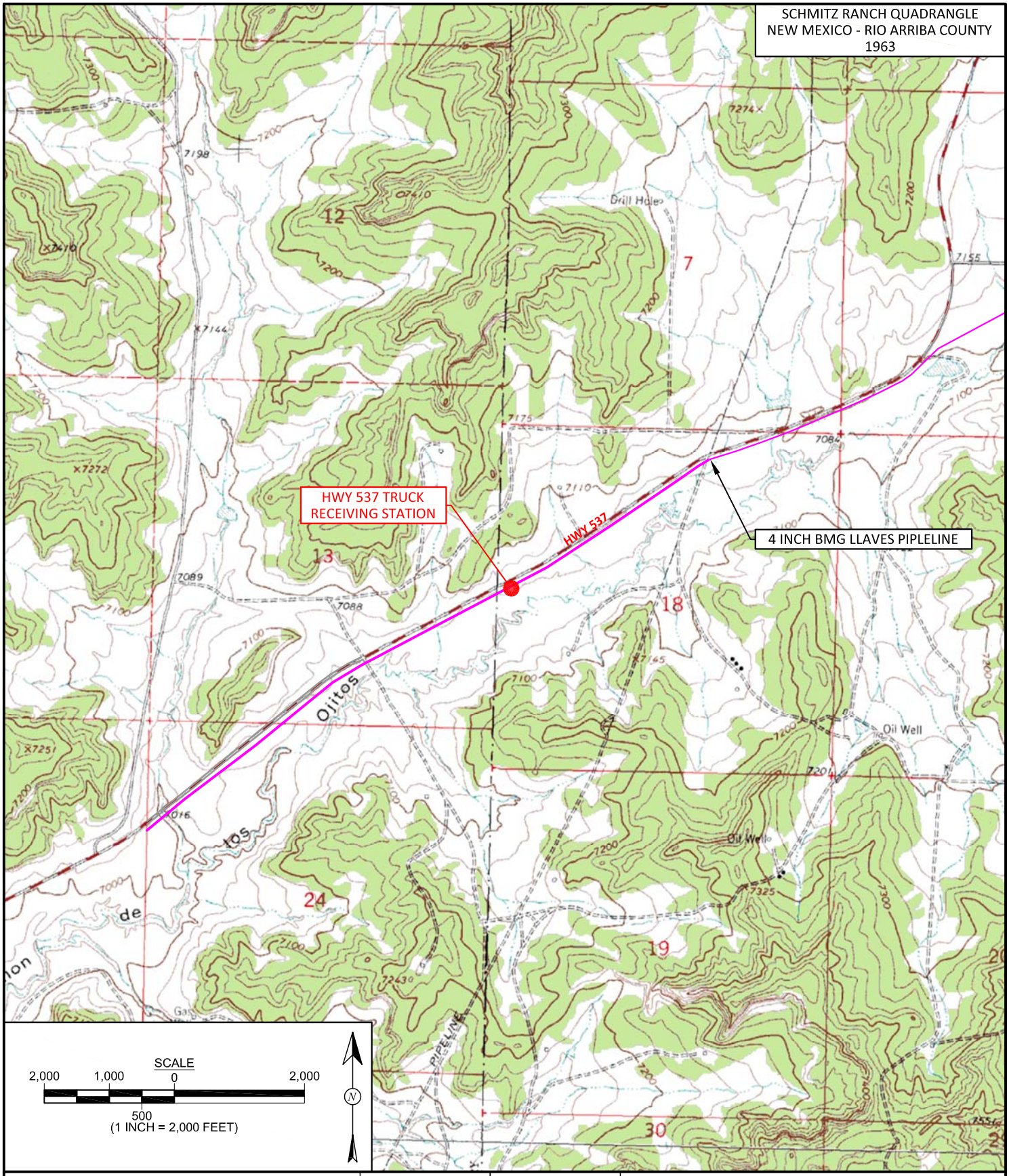
| Well ID | Date Sampled | Benzene | Toluene | Ethyl-benzene | Total Xylenes | GRO | DRO | MRO |
|---|---|---|---|---|---|---|---|---|
| | | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(mg/L)* | *(mg/L)* | *(mg/L)* |
| ***Analytical Method*** | | **8021B** | **8021B** | **8021B** | **8021B** | **8015B** | **8015B** | **8015B** |
| ***New Mexico WQCC*** | | ***10*** | ***750*** | ***750*** | ***620*** | ***NE*** | ***NE*** | ***NE*** |
| **MW-9** | 21-Jan-11 | **390** | <1.0 | 5.1 | <2.0 | 0.41 | <1.0 | <5.0 |
| **MW-9** | 12-May-11 | **390** | <1.0 | 11 | <2.0 | 0.92 | <1.0 | <5.0 |
| **MW-9** | 12-Aug-11 | **120** | <1.0 | 5.6 | <2.0 | 0.35 | <1.0 | <5.0 |
| **MW-9** | 16-Nov-11 | **200** | <5.0 | 9.6 | <10 | 0.57 | <1.0 | <5.0 |
| **MW-9** | 21-Feb-12 | **120** | <1.0 | 4.2 | <2.0 | 0.30 | <1.0 | <5.0 |
| **MW-9** | 24-May-12 | 3.8 | <1.0 | 1.4 | <2.0 | 0.076 | <1.0 | <5.0 |
| **MW-9** | 10-Sep-12 | <1.0 | <1.0 | <1.0 | <2.0 | 0.072 | <1.0 | <5.0 |
| **MW-9** | 04-Dec-12 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-9** | 26-Mar-13 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-9** | 27-Jun-13 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-9** | 25-Sep-13 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-9** | 14-Jan-14 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-9** | 04-Apr-14 | <1.0 | <1.0 | <1.0 | <2.0 | 0.075 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-10** | 09-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 10-Sep-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 15-Jan-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 14-Oct-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 21-Jan-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-10** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **MW-11** | 09-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 10-Sep-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 15-Jan-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 14-Oct-10 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 21-Jan-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 12-May-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 12-Aug-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| **MW-11** | 16-Nov-11 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |
| **Downgradient MW-7*** | 09-Mar-09 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | <5.0 |
| | | | | | | | | |

**NOTE:** NS = Not Sampled
GRO = Gasoline Range Organics

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

| Well ID | Date Sampled | Benzene | Toluene | Ethyl-benzene | Total Xylenes | GRO | DRO | MRO |
|---|---|---|---|---|---|---|---|---|
| | | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(µg/L)* | *(mg/L)* | *(mg/L)* | *(mg/L)* |
| ***Analytical Method*** | | **8021B** | **8021B** | **8021B** | **8021B** | **8015B** | **8015B** | **8015B** |
| ***New Mexico WQCC*** | | ***10*** | ***750*** | ***750*** | ***620*** | ***NE*** | ***NE*** | ***NE*** |

DRO = Diesel Range Organics
MRO = Motor Oil Range Organics
* = Monitoring Well from HWY 537 '06-'07 spill

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| | |
|---|---|
| **DRAWN BY:** C. Lameman | **DATE DRAWN:** January 10, 2013 |
| **REVISIONS BY:** S. Glasses | **DATE REVISED:** February 5, 2016 |
| **CHECKED BY:** E. McNally | **DATE CHECKED:** February 5, 2016 |
| **APPROVED BY:** E. McNally | **DATE APPROVED:** February 5, 2016 |

# FIGURE 1

**TOPOGRAPHIC SITE LOCATION MAP**
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW ¼ NW ¼ SECTION 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36.39866, W107.19328

# FIGURE 2A

**SITE PLAN WITH GROUNDWATER ELEVATION CONTOURS**
**MARCH 2015**
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW¼ NW¼ SECTION 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36.39866, W107.19328

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| | |
|---|---|
| **DRAWN BY:** C. Lameman | **DATE DRAWN:** September 18, 2014 |
| **REVISIONS BY:** S. Glasses | **DATE REVISED:** May 10, 2016 |
| **CHECKED BY:** E. McNally | **DATE CHECKED:** May 10, 2016 |
| **APPROVED BY:** E. McNally | **DATE APPROVED:** May 10, 2016 |

**LEGEND**

- MONITORING WELL INSTALLED FEBRUARY 2009
- FENCE

*NOTE: GROUNDWATER ELEVATION MEASUREMENTS WERE MADE ON MARCH 27, 2015.*

STATE HWY. 537
PIPELINE
PROPANE TANK
EXTRACTED GROUNDWATER STORAGE TANK
CATTLE GUARD
PIG RECEIVER
FENCE
GROUNDWATER GRADIENT BETWEEN MW-2 AND MW-8 IS 0.007 FT/FT
MW-5 7035.07
MW-2 7035.49
MW-11 7034.27
MW-1 7035.03
MW-4 7034.83
MW-10 7035.57
MW-3 7035.41
MW-8 7034.25
MW-7 7035.04
MW-9 7033.48
MW-6 7035.45
7035.50
7035.00
7034.50
7034.00

N

SCALE
40 20 0 40
10
(1 INCH = 40 FEET)

# FIGURE 2B

**SITE PLAN WITH GROUNDWATER ELEVATION CONTOURS**
**DECEMBER 2015**
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW¼ NW¼ SECTION 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36.39866, W107.19328

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| | |
|---|---|
| **DRAWN BY:** C. Lameman | **DATE DRAWN:** January 10, 2013 |
| **REVISIONS BY:** S. Glasses | **DATE REVISED:** May 10, 2016 |
| **CHECKED BY:** E. McNally | **DATE CHECKED:** May 10, 2016 |
| **APPROVED BY:** E. McNally | **DATE APPROVED:** May 10, 2016 |

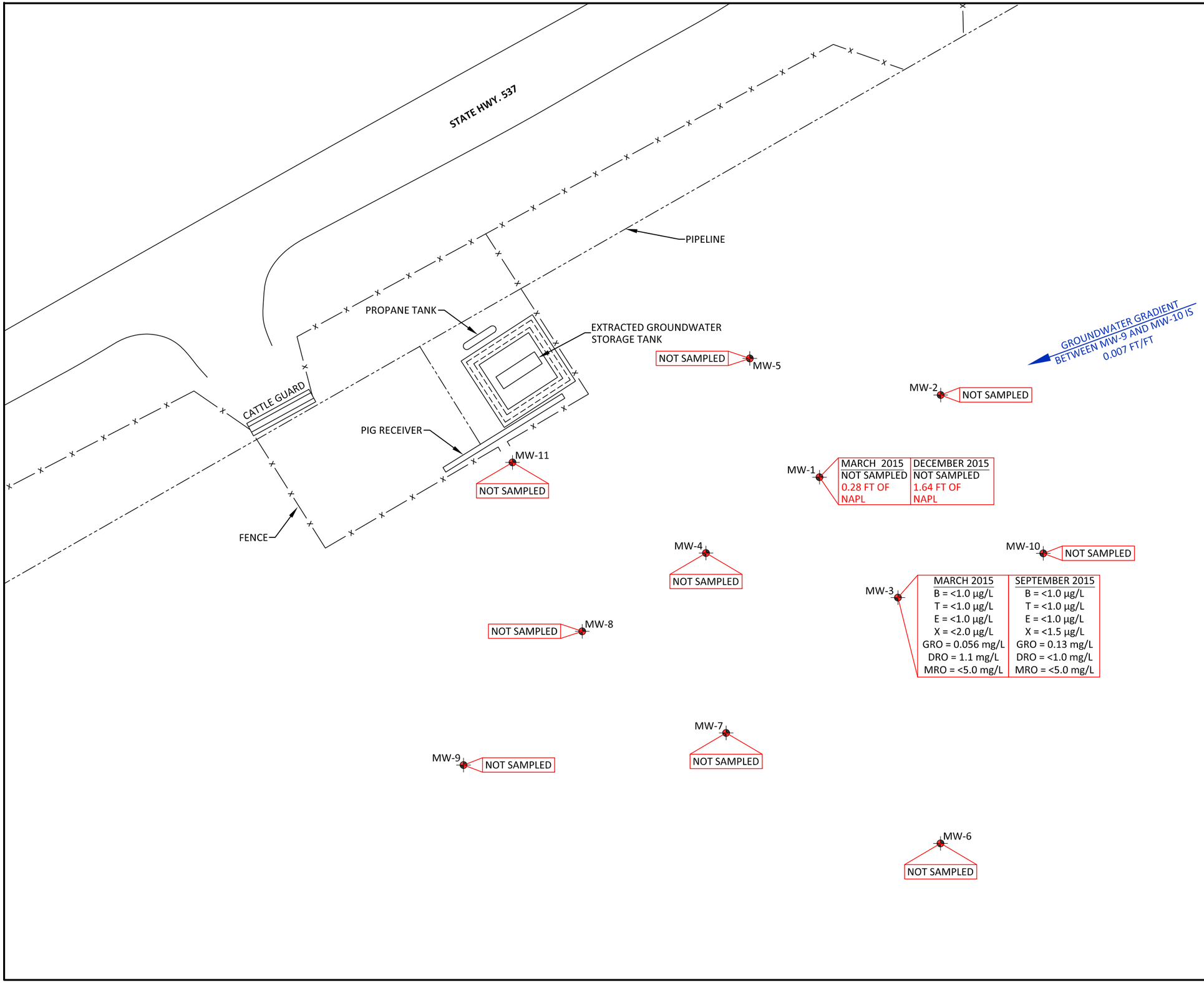
**LEGEND**

- MONITORING WELL INSTALLED FEBRUARY 2009
- FENCE

*NOTE: GROUNDWATER ELEVATION MEASUREMENTS WERE MADE ON DECEMBER 8, 2015.*

STATE HWY. 537
PIPELINE
PROPANE TANK
EXTRACTED GROUNDWATER STORAGE TANK
CATTLE GUARD
PIG RECEIVER
FENCE
GROUNDWATER GRADIENT BETWEEN MW-9 AND MW-10 IS 0.006 FT/FT
MW-5 7034.43
MW-2 7034.75
MW-11 7033.76
MW-1 7034.54
MW-4 7034.14
MW-10 7034.71
MW-3 7034.56
MW-8 7033.68
MW-7 7034.18
MW-9 7033.05
MW-6 7034.33
7034.75
7034.50
7034.25
7034.00
7033.75
7033.50
7033.25

SCALE
40 20 0 40
10
(1 INCH = 40 FEET)




# FIGURE 3

**GROUNDWATER CONTAMINANT CONCENTRATIONS MARCH AND SEPTEMBER 2015**

BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW¼ NW¼ SECTION 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36.39866, W107.19328

animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

| DRAWN BY: | DATE DRAWN: |
|---|---|
| C. Lameman | January 10, 2013 |
| **REVISIONS BY:** | **DATE REVISED:** |
| S. Glasses | May 10, 2016 |
| **CHECKED BY:** | **DATE CHECKED:** |
| E. McNally | May 10, 2016 |
| **APPROVED BY:** | **DATE APPROVED:** |
| E. McNally | May 10, 2016 |

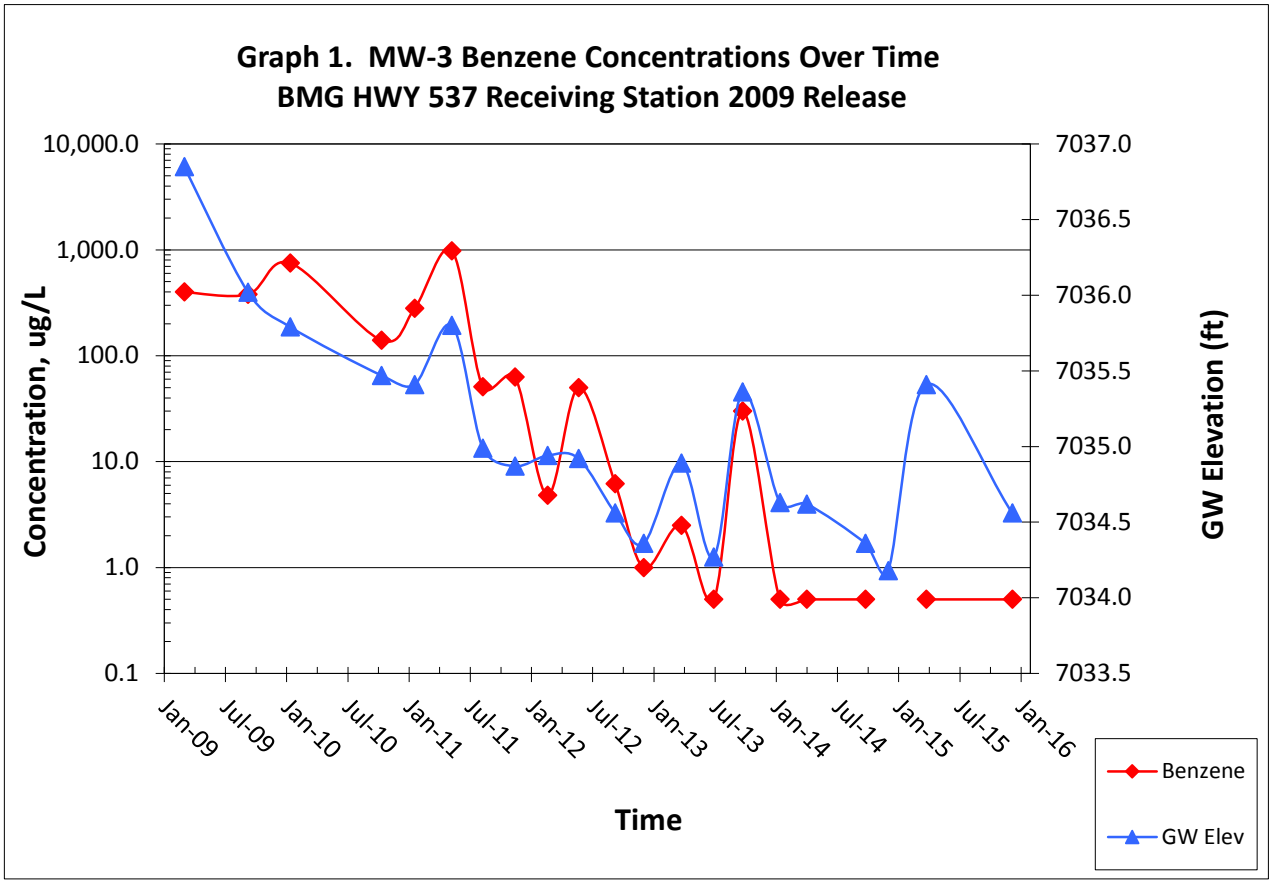
**LEGEND**

- MONITORING WELL INSTALLED FEBRUARY 2009
- FENCE
- B BENZENE
- T TOLUENE
- E ETHYL-BENZENE
- X XYLENES
- GRO GASOLINE RANGE ORGANICS
- DRO DIESEL RANGE ORGANICS
- MRO MOTOR OIL RANGE ORGANICS
- µg/L PARTS PER BILLION (PPB)
- mg/L PARTS PER MILLION (PPM)
- < BELOW DETECTION LIMIT

*NOTE: ALL SAMPLES COLLECTED ON MARCH 27, 2015 AND SEPTEMBER 15, 2015. ANALYZED PER EPA METHOD 8021B AND 8015D. ALL ANALYTICAL RESULTS REPORTED AS µg/L (PPB), mg/L (PPB) AND mg/L (PPM).*

N

SCALE
40 20 0 40
10
(1 INCH = 40 FEET)


Graph 1. MW-3 Benzene Concentrations Over Time
BMG HWY 537 Receiving Station 2009 Release
Concentration, ug/L
10,000.0
1,000.0
100.0
10.0
1.0
0.1
GW Elevation (ft)
7037.0
7036.5
7036.0
7035.5
7035.0
7034.5
7034.0
7033.5
Jan-09
Jul-09
Jan-10
Jul-10
Jan-11
Jul-11
Jan-12
Jul-12
Jan-13
Jul-13
Jan-14
Jul-14
Jan-15
Jul-15
Jan-16
Time
Benzene
GW Elev

**Water Sampling Record**

**Monitor Well No:** **MW-3**

Animas Environmental Services
604 W. Piñon St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

| | | | |
|---|---|---|---|
| **Project:** | BMG | **Project No.:** | |
| **Site:** | Truck Receiving Station | **Date:** | 3/27/15 |
| **Location:** | Hwy 537 | **Time:** | |
| **Sampler:** | Dylan Davis | **Weather:** | Sunny Mid 50's |
| **Sampling Method:** | Purging | **Air Temperature:** | |
| **Depth of Well (ft):** | | **Well Diam. (in.):** | 2" |
| **Depth to Water (ft):** | | **Site Elevation (ft):** | |

| Time | Temp (deg C) | Conductivity (µS) (mS) | DO (mg/L) | pH | ORP (mV) | PURGED VOLUME (gallons) | Notes/Observations |
|---|---|---|---|---|---|---|---|
| 11:41 | 13.28 | 3.345 | 38.2↓ | 6.99 | 23.9↑ | 2 gallons | No odor. Clear color |
| 11:45 | 13.30 | 3.413 | 30.8 | 6.92 | 16.8↑ | 3 gallons | No odor. Clear |
| 11:48 | 13.34 | 3.448 | 28.9 | 6.99 | -3.9↓ | 4 gallons | No odor. Clear |
| 11:55 | 13.38 | 3.450 | 28.6 | 6.97 | -1.1↑ | 5 gallons | No odor Clear |
| 12:03 | 13.42 | 3.458 | 28.8 | 6.98 | 1.9↑ | 6 gallons | No odor. Clear |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**Analytical Parameters Sampled For (include Method #):**

**Disposal of Purged Water:** Back to AES

**Chain of Custody Record Complete? (Y/N)**

**Analytical Laboratory:** Hall Laboratory

**Equipment Used During Sampling:** Bailers

**Other Notes/Comments**

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

April 02, 2015

Brent Everett

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG 2009 Release OrderNo.: 1503D26

Dear Brent Everett:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/28/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services
**Client Sample ID:** MW-3
**Project:** BMG 2009 Release
**Collection Date:** 3/27/2015 12:00:00 PM
**Lab ID:** 1503D26-001 **Matrix:** AQUEOUS **Received Date:** 3/28/2015 10:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8015D: DIESEL RANGE** | | | | | | Analyst: **BCN** | |
| Diesel Range Organics (DRO) | 1.1 | 1.0 | | mg/L | 1 | 4/1/2015 10:45:30 AM | 18405 |
| Motor Oil Range Organics (MRO) | ND | 5.0 | | mg/L | 1 | 4/1/2015 10:45:30 AM | 18405 |
| Surr: DNOP | 123 | 76.5-150 | | %REC | 1 | 4/1/2015 10:45:30 AM | 18405 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** | |
| Gasoline Range Organics (GRO) | 0.056 | 0.050 | | mg/L | 1 | 3/30/2015 3:35:43 PM | R25148 |
| Surr: BFB | 101 | 80-120 | | %REC | 1 | 3/30/2015 3:35:43 PM | R25148 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** | |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/30/2015 3:35:43 PM | R25148 |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/30/2015 3:35:43 PM | R25148 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/30/2015 3:35:43 PM | R25148 |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/30/2015 3:35:43 PM | R25148 |
| Surr: 4-Bromofluorobenzene | 109 | 80-120 | | %REC | 1 | 3/30/2015 3:35:43 PM | R25148 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| O | RSD is greater than RSDlimit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services
**Client Sample ID:** Trip Blank
**Project:** BMG 2009 Release
**Collection Date:**
**Lab ID:** 1503D26-002
**Matrix:** TRIP BLANK
**Received Date:** 3/28/2015 10:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** | |
| Gasoline Range Organics (GRO) | ND | 0.050 | | mg/L | 1 | 3/30/2015 4:04:58 PM | R25148 |
| Surr: BFB | 97.5 | 80-120 | | %REC | 1 | 3/30/2015 4:04:58 PM | R25148 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** | |
| Benzene | ND | 1.0 | | µg/L | 1 | 3/30/2015 4:04:58 PM | R25148 |
| Toluene | ND | 1.0 | | µg/L | 1 | 3/30/2015 4:04:58 PM | R25148 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 3/30/2015 4:04:58 PM | R25148 |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 3/30/2015 4:04:58 PM | R25148 |
| Surr: 4-Bromofluorobenzene | 112 | 80-120 | | %REC | 1 | 3/30/2015 4:04:58 PM | R25148 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| O | RSD is greater than RSDlimit |
| R | RPD outside accepted recovery limits |
| S | Spike Recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| P | Sample pH Not In Range |
| RL | Reporting Detection Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D26**

***02-Apr-15***

**Client:** Animas Environmental Services

**Project:** BMG 2009 Release

| Sample ID | **MB-18405** | SampType: | **MBLK** | | TestCode: | **EPA Method 8015D: Diesel Range** | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBW** | Batch ID: | **18405** | | RunNo: | **25210** | | | | |
| Prep Date: | **3/30/2015** | Analysis Date: | **4/1/2015** | | SeqNo: | **745258** | Units: | **mg/L** | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | ND | 1.0 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 5.0 | | | | | | | | |
| Surr: DNOP | 1.1 | | 1.000 | | 110 | 76.5 | 150 | | | |

| Sample ID | **LCS-18405** | SampType: | **LCS** | | TestCode: | **EPA Method 8015D: Diesel Range** | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSW** | Batch ID: | **18405** | | RunNo: | **25210** | | | | |
| Prep Date: | **3/30/2015** | Analysis Date: | **4/1/2015** | | SeqNo: | **745259** | Units: | **mg/L** | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 5.5 | 1.0 | 5.000 | 0 | 110 | 60.1 | 156 | | | |
| Surr: DNOP | 0.58 | | 0.5000 | | 117 | 76.5 | 150 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| O | RSD is greater than RSDlimit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D26**

***02-Apr-15***

**Client:** Animas Environmental Services

**Project:** BMG 2009 Release

| Sample ID | **5ML RB** | SampType: | **MBLK** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBW** | Batch ID: | **R25148** | RunNo: | **25148** | | | | | |
| Prep Date: | | Analysis Date: | **3/30/2015** | SeqNo: | **743648** | Units: | **mg/L** | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | | ND | 0.050 | | | | | | | | |
| Surr: BFB | | 19 | | 20.00 | | 95.1 | 80 | 120 | | | |

| Sample ID | **2.5UG GRO LCS** | SampType: | **LCS** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSW** | Batch ID: | **R25148** | RunNo: | **25148** | | | | | |
| Prep Date: | | Analysis Date: | **3/30/2015** | SeqNo: | **743649** | Units: | **mg/L** | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | | 0.48 | 0.050 | 0.5000 | 0 | 95.8 | 80 | 120 | | | |
| Surr: BFB | | 22 | | 20.00 | | 108 | 80 | 120 | | | |

**Qualifiers:**

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1503D26**

***02-Apr-15***

**Client:** Animas Environmental Services

**Project:** BMG 2009 Release

| Sample ID **5ML RB** | SampType: **MBLK** | TestCode: **EPA Method 8021B: Volatiles** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R25148** | RunNo: **25148** |
| Prep Date: | Analysis Date: **3/30/2015** | SeqNo: **743660** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 22 | | 20.00 | | 110 | 80 | 120 | | | |

| Sample ID **100NG BTEX LCS** | SampType: **LCS** | TestCode: **EPA Method 8021B: Volatiles** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R25148** | RunNo: **25148** |
| Prep Date: | Analysis Date: **3/30/2015** | SeqNo: **743661** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 23 | 1.0 | 20.00 | 0 | 114 | 80 | 120 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 107 | 80 | 120 | | | |
| Ethylbenzene | 20 | 1.0 | 20.00 | 0 | 102 | 80 | 120 | | | |
| Xylenes, Total | 61 | 2.0 | 60.00 | 0 | 102 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 25 | | 20.00 | | 124 | 80 | 120 | | | S |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| O | RSD is greater than RSDlimit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | Spike Recovery outside accepted recovery limits | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: Animas Environmental  Work Order Number: 1503D26  RcptNo: 1

Received by/date: AF 03/30/15

Logged By: Celina Sessa 3/28/2015 10:30:00 AM Celina Sessa

Completed By: Celina Sessa 3/30/2015 8:50:27 AM Celina Sessa

Reviewed By: 03/30/15

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| 2. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 3. How was the sample delivered? | Courier | | |

## Log In

| | | | |
|---|---|---|---|
| 4. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 6. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 7. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 9. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 10. VOA vials have zero headspace? | Yes ☑ | No ☐ | No VOA Vials ☐ |
| 11. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 14. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 15. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

## Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 2.1 | Good | Yes | | | |

# Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W Pinon St
Farmington, NM

Phone #:

email or Fax#:

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
BME 2009 Release

Project #:

Project Manager:
Brent Everett

Sampler: Dylan Davis

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.1


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 1503D26 | BTEX + ~~MTBE + TMB's~~ (8021) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | ~~TPH (Method 418.1)~~ | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions ($F,Cl,NO_3,NO_2,PO_4,SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/7/15 | 12:00 | Liquid | MW-3 | 3-40mL | HCl | -001 | X | | X | X | | | | | | | | |
| | | | Trip Blank | | | -002 | | | | | | | | | | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Date | Time |
|---|---|---|---|---|---|
| 3/27/15 | 1712 | | Christine Walters | 3/27/15 | 1712 |
| Date: | Time: | Relinquished by: | Received by: | Date | Time |
| 3/27/15 | 1754 | Christine Walters | | 3/28/15 | 10:30 |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 22, 2015

Brent Everett

Animas Environmental Services
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: BMG Hwy 537 2009 Release OrderNo.: 1509715

Dear Brent Everett:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/16/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services
**Client Sample ID:** MW-3
**Project:** BMG Hwy 537 2009 Release
**Collection Date:** 9/15/2015 11:55:00 AM
**Lab ID:** 1509715-001
**Matrix:** AQUEOUS
**Received Date:** 9/16/2015 7:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **DJF** | |
| Gasoline Range Organics (GRO) | 0.13 | 0.050 | | mg/L | 1 | 9/21/2015 8:19:05 PM | C29010 |
| Surr: BFB | 96.5 | 70-130 | | %REC | 1 | 9/21/2015 8:19:05 PM | C29010 |
| **EPA METHOD 8015M/D: DIESEL RANGE** | | | | | | Analyst: **TOM** | |
| Diesel Range Organics (DRO) | ND | 1.0 | | mg/L | 1 | 9/18/2015 12:55:27 PM | 21374 |
| Motor Oil Range Organics (MRO) | ND | 5.0 | | mg/L | 1 | 9/18/2015 12:55:27 PM | 21374 |
| Surr: DNOP | 115 | 72-136 | | %REC | 1 | 9/18/2015 12:55:27 PM | 21374 |
| **EPA METHOD 8260: VOLATILES SHORT LIST** | | | | | | Analyst: **DJF** | |
| Benzene | ND | 1.0 | | µg/L | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Toluene | ND | 1.0 | | µg/L | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Surr: 1,2-Dichloroethane-d4 | 97.0 | 70-130 | | %REC | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Surr: 4-Bromofluorobenzene | 99.8 | 70-130 | | %REC | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Surr: Dibromofluoromethane | 107 | 70-130 | | %REC | 1 | 9/21/2015 8:19:05 PM | A29010 |
| Surr: Toluene-d8 | 97.2 | 70-130 | | %REC | 1 | 9/21/2015 8:19:05 PM | A29010 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1509715**

***22-Sep-15***

**Client:** Animas Environmental Services

**Project:** BMG Hwy 537 2009 Release

| Sample ID | **MB-21374** | SampType: | **MBLK** | TestCode: | **EPA Method 8015M/D: Diesel Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBW** | Batch ID: | **21374** | RunNo: | **28949** | | | | | |
| Prep Date: | **9/18/2015** | Analysis Date: | **9/18/2015** | SeqNo: | **878272** | Units: | **mg/L** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 1.0 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 5.0 | | | | | | | | |
| Surr: DNOP | 1.1 | | 1.000 | | 108 | 72 | 136 | | | |

| Sample ID | **LCS-21374** | SampType: | **LCS** | TestCode: | **EPA Method 8015M/D: Diesel Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSW** | Batch ID: | **21374** | RunNo: | **28949** | | | | | |
| Prep Date: | **9/18/2015** | Analysis Date: | **9/18/2015** | SeqNo: | **878378** | Units: | **mg/L** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 6.9 | 1.0 | 5.000 | 0 | 138 | 52.4 | 154 | | | |
| Surr: DNOP | 0.64 | | 0.5000 | | 128 | 72 | 136 | | | |

| Sample ID | **1509715-001BMS** | SampType: | **MS** | TestCode: | **EPA Method 8015M/D: Diesel Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **MW-3** | Batch ID: | **21374** | RunNo: | **28949** | | | | | |
| Prep Date: | **9/18/2015** | Analysis Date: | **9/18/2015** | SeqNo: | **878651** | Units: | **mg/L** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 6.6 | 1.0 | 5.000 | 0 | 132 | 41.3 | 177 | | | |
| Surr: DNOP | 0.58 | | 0.5000 | | 115 | 72 | 136 | | | |

| Sample ID | **1509715-001BMSD** | SampType: | **MSD** | TestCode: | **EPA Method 8015M/D: Diesel Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **MW-3** | Batch ID: | **21374** | RunNo: | **28949** | | | | | |
| Prep Date: | **9/18/2015** | Analysis Date: | **9/18/2015** | SeqNo: | **879486** | Units: | **mg/L** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 6.4 | 1.0 | 5.000 | 0 | 128 | -94.6 | 317 | 3.12 | 22.1 | |
| Surr: DNOP | 0.61 | | 0.5000 | | 122 | 72 | 136 | 0 | 0 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1509715**

***22-Sep-15***

**Client:** Animas Environmental Services

**Project:** BMG Hwy 537 2009 Release

| Sample ID **rb1** | SampType: **MBLK** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **A29010** | RunNo: **29010** |
| Prep Date: | Analysis Date: **9/21/2015** | SeqNo: **880087** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.7 | | 10.00 | | 97.1 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 11 | | 10.00 | | 109 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.8 | | 10.00 | | 98.1 | 70 | 130 | | | |

| Sample ID **100ng lcs** | SampType: **LCS** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **A29010** | RunNo: **29010** |
| Prep Date: | Analysis Date: **9/21/2015** | SeqNo: **880088** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 20 | 1.0 | 20.00 | 0 | 98.1 | 70 | 130 | | | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 99.4 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.7 | | 10.00 | | 97.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 11 | | 10.00 | | 110 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.7 | | 10.00 | | 96.6 | 70 | 130 | | | |

| Sample ID **1509715-001a ms** | SampType: **MS** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **MW-3** | Batch ID: **A29010** | RunNo: **29010** |
| Prep Date: | Analysis Date: **9/21/2015** | SeqNo: **880092** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 21 | 1.0 | 20.00 | 0.1656 | 103 | 70 | 130 | | | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 99.8 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.6 | | 10.00 | | 95.6 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 104 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 105 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.7 | | 10.00 | | 97.3 | 70 | 130 | | | |

| Sample ID **1509715-001a msd** | SampType: **MSD** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **MW-3** | Batch ID: **A29010** | RunNo: **29010** |
| Prep Date: | Analysis Date: **9/21/2015** | SeqNo: **880093** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 21 | 1.0 | 20.00 | 0.1656 | 103 | 70 | 130 | 0.346 | 20 | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 100 | 70 | 130 | 0.509 | 20 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1509715**

***22-Sep-15***

**Client:** Animas Environmental Services

**Project:** BMG Hwy 537 2009 Release

| Sample ID | **1509715-001a msd** | SampType: | **MSD** | TestCode: | **EPA Method 8260: Volatiles Short List** |
|---|---|---|---|---|---|
| Client ID: | **MW-3** | Batch ID: | **A29010** | RunNo: | **29010** |
| Prep Date: | | Analysis Date: | **9/21/2015** | SeqNo: | **880093** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 9.8 | | 10.00 | | 98.5 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 11 | | 10.00 | | 106 | 70 | 130 | 0 | 0 | |
| Surr: Dibromofluoromethane | 11 | | 10.00 | | 110 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 9.7 | | 10.00 | | 97.1 | 70 | 130 | 0 | 0 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1509715**

***22-Sep-15***

**Client:** Animas Environmental Services

**Project:** BMG Hwy 537 2009 Release

| Sample ID | **rb1** | SampType: | **MBLK** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBW** | Batch ID: | **C29010** | RunNo: | **29010** | | | | | |
| Prep Date: | | Analysis Date: | **9/21/2015** | SeqNo: | **880209** | Units: | **mg/L** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 0.050 | | | | | | | | |
| Surr: BFB | 9.9 | | 10.00 | | 98.8 | 70 | 130 | | | |

| Sample ID | **2.5 gro lcs** | SampType: | **LCS** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSW** | Batch ID: | **C29010** | RunNo: | **29010** | | | | | |
| Prep Date: | | Analysis Date: | **9/21/2015** | SeqNo: | **880210** | Units: | **mg/L** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 0.48 | 0.050 | 0.5000 | 0 | 96.7 | 80.6 | 122 | | | |
| Surr: BFB | 10 | | 10.00 | | 104 | 70 | 130 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| R | RPD outside accepted recovery limits | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1509715 | RcptNo: 1

Received by/date: 09/16/15

Logged By: Lindsay Mangin 9/16/2015 7:00:00 AM

Completed By: Lindsay Mangin 9/16/2015 8:35:10 AM

Reviewed By: 09/16/15

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| 2. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 3. How was the sample delivered? | Courier | | |

## Log In

| | | | |
|---|---|---|---|
| 4. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 6. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 7. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 9. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 10. VOA vials have zero headspace? | Yes ☑ | No ☐ | No VOA Vials ☐ |
| 11. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 14. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 15. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

## Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 2.0 | Good | Yes | | | |

# Chain-of-Custody Record

Client: Animas Environmental Services, LLC

Mailing Address:

604 W Pinon St, Farmington, NM 87401

Phone #: 505 - 564 - 2281

Email or Fax#: 505 - 324 - 2022

QA/QC Package:

X Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

X Standard ☐ Rush

Project Name: BMG HWY 537 2009 Release

Project #:

Project Manager: B. Everett

Sampler: S. Glasses

On Ice: X Yes ☐ No

Sample Temperature: 7.0


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 1509715 | BTEX - 8021B | TPH - EPA 8015B (GRO/DRO/MRO) | Chlorides - 300.0 | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|
| 9/15/15 | 1155 | H2O | MW-3 | 3-40 mL VOAs 1 L Amber | HCL non | -001 | x | x | | |

| Date: | Time: | Relinquished by: | Received by: | Date | Time |
|---|---|---|---|---|---|
| 9/15/15 | 1819 | | Christine Walker | 9/15/15 | 1819 |
| Date: | Time: | Relinquished by: | Received by: | Date | Time |
| 9/15/15 | 1955 | Christine Walker | | 09/16/15 | 0700 |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.