

**REVIEWED**

By Mike Buchanan at 10:04 am, Apr 23, 2024



February 28, 2024

Nelson Velez  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

**Re: 2023 Q1 through Q4 Annual Progress Report  
Benson-Montin-Greer Drilling Corporation  
Highway 537 Truck Receiving Station 2009 Release  
Rio Arriba County, New Mexico  
AP-137 (Formerly 3RP-448)  
Incident #NRMD0929447874**

Review of the Q1 through Q4 Annual Progress Report for Highway 537 Truck Receiving Station: Content Satisfactory  
1. Proceed with plans to sample VOCs quarterly, Phenols and dissolved manganese annually  
2. Gauge all wells for depth to groundwater and water quality parameters annually  
3. Replace MW-1 sock on an as needed basis  
4. Submit next groundwater monitoring report and site status update by April 1, 2025

Dear Mr. Velez:

On behalf of Benson-Montin-Greer Drilling Corporation (BMG), Animas Environmental Services, LLC (AES) has prepared this Annual 2023 Progress Report, which provides details of monitoring and sampling of site wells at the BMG Highway 537 Truck Receiving Station 2009 Release location. Site activities were conducted in accordance with a Stage 1 and 2 Abatement Plan dated June 14, 2019; Abatement Plan approval is currently pending.

## 1.0 Site Information

### 1.1 Site Location

The 2009 release originated on the Schmitz Ranch, on the south side of Highway 537 and within the bermed area of the Highway 537 Truck Receiving Station. The station is adjacent to the Los Ojitos Arroyo, which ultimately drains to Largo Canyon. The release location is legally described 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 Survey (USGS) 7.5-minute Schmitz Ranch, Rio Arriba County, New Mexico topographic quadrangle, is included as Figure 1, and a general site plan is presented as Figure 2.

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## 1.2 Release History

**January 29, 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 from a buried 6-inch line between the storage tanks and the truck loading pump. The release was the result of a corrosion hole along the bottom of the pipe near the truck loading pumps.

**February 2, 2009.** The 6-inch line was repaired, and the excavation was backfilled with clean fill material. Approximately 100 cubic yards (CY) of contaminated soil were transported to the TNT Landfarm for disposal.

## 1.3 Site Investigation and Monitor Well Installation

**February 16 through 20, 2009.** Site investigation activities were conducted by AES to delineate the full extent of petroleum hydrocarbon impact on surface and subsurface soils and groundwater resulting from the release. The investigation included the installation of 11 monitor wells (MW-1 through MW-11) and collection of soil and groundwater samples. Note that non-aqueous phase liquid (NAPL) was not observed during groundwater monitor well installation or subsequent sampling.

Soils were found to consist of interbedded layers of moist reddish-brown clayey and silty sand, moist reddish-brown silty and sandy clay, poorly sorted tan sands and sandstone, and moist stiff brown clays. Soil contaminant concentrations exceeded New Mexico Oil Conservation Division (NMOCD) action levels for total benzene, toluene, ethylbenzene, and total xylenes (BTEX) in samples collected from the installation boreholes for wells MW-1, MW-3, MW-4, and MW-8. Soil concentrations for total petroleum hydrocarbons (TPH) exceeded laboratory detection limits in samples from boreholes for wells MW-1, MW-3, MW-4, and MW-8. The highest total BTEX concentrations and total TPH concentrations were reported at 345 milligrams per kilogram (mg/kg) and 8,100 mg/kg, respectively, at 26 feet below ground surface (ft bgs) in MW-3. Details of the site investigation are included in the AES *Site Investigation Report* submitted to NMOCD in April 2009.

**May 12 and June 4, 2014.** AES conducted further site assessment on behalf of BMG as part of termination of the site lease and removal of site structures and infrastructure. The work included soil sampling during the excavation of hydrocarbon contaminated soils, discovered when the storage tanks and truck loading station were removed from the site, and a subsequent assessment of subsurface soils, utilizing a Geoprobe.

- Former Tank Area: Under the former tank area, the field screening results for volatile organic compounds (VOCs) via organic vapor meter (OVM) ranged from 0.0 parts per million (ppm) in SB-1, SB-2, SB-4, and SB-6 up to 1,048 ppm in SB-5 (8 to 12 ft bgs). Except for SB-5, VOC concentrations in the tank area borings were below the NMOCD action level of 100 ppm VOCs. Field TPH concentrations were also below the NMOCD action level of 100 mg/kg in all borings, except SB-5, in which the highest TPH concentration was noted at 225 mg/kg (12 to 16 ft bgs). The remaining intervals in SB-5 had TPH concentrations of 61.5 mg/kg (4 to 8 ft and 8 to 12 ft bgs) and 69.2 mg/kg (16 to 20 ft bgs). Excepting SB-5, residual contaminant concentrations below the former tank area were below applicable NMOCD action levels for VOCs and TPH.
- Former Truck Loading Station: Under the former loading area, the field screening results for VOCs via OVM ranged from 0.3 ppm in SB-15, SB-16, SB-17, and SB-20, up to greater than 5,000 ppm in SB-11 through SB-14, SB-18, and SB-19. Field TPH concentrations were also reported above the NMOCD action level of 100 mg/kg. Based on VOC and TPH concentrations, residual contaminants in subsurface soils were still present at the former truck loading station area and former pump area. Results of the excavation assessment confirmed that residual contaminants were present under the former loading area; approximately 600 CY of petroleum-impacted soil were subsequently removed from the excavated areas and transported to the BMG Landfarm by TPC, LLC. Results of the excavation assessment were submitted in a report dated November 12, 2014.

#### 1.4 Groundwater Monitoring and Sampling, 2009 to 2017

AES conducted quarterly to semi-annual groundwater measurement and sampling from March 2009 through August 2017. Note that MW-2, MW-4, MW-5, MW-6, MW-7, MW-10, and MW-11 had either trace concentrations or concentrations below laboratory detection limits since the wells were installed. In the remaining wells, MW-1, MW-3, MW-8, and MW-9, there were significant contaminant reductions through monitored natural attenuation; however, in 2014, 1.18 ft of NAPL was detected in MW-1 after groundwater in the area had declined approximately 3 ft over a 5-year period.

By 2016, 9 of the 11 monitor wells (MW-2 and MW-4 through MW-11) had eight or more consecutive sampling events with readings below applicable New Mexico Water Quality Control Commission (WQCC) standards. Cumulative groundwater measurement and water quality data are presented in Table 1, and a summary of groundwater analytical results is presented in Table 2.

### *1.5 Monitor Well P&A—MW-6 through MW-11, August 2017*

On August 7, 2017, BMG, with approval from NMOCD, completed the plugging and abandonment (P&A) of six monitor wells located at the site, including MW-6 through MW-11. These monitor wells all had at least eight consecutive events of groundwater contaminant concentrations below laboratory detection limits or below applicable New Mexico WQCC standards. At the request of NMOCD, MW-2, MW-4, and MW-5 were kept open so that they could continue to be gauged for depth to groundwater and hydraulic gradient could be determined.

### *1.6 NAPL Recovery Efforts in MW-1*

NAPL was first observed in MW-1 in April 2014, when groundwater elevations gradually declined about 3 ft from when the wells were first installed in 2009. By August 2014, BMG had arranged for aggressive NAPL recovery to be implemented with a high vacuum multi-phase extraction (MPE) unit, which was powered by a mobile internal combustion engine (ICE) unit. The unit ran between August and November 2014 and April to May 2015. In 2014, 1,957 pounds (lbs) of petroleum hydrocarbons were removed as a combination of vapors, NAPL (limited), and dissolved phase constituents. In 2015, approximately 1,874 lbs of hydrocarbons were removed as a combination of vapors and dissolved phase constituents. MPE operations were suspended in May 2015 because of high production of water and rapidly decreasing mass removal rates.

A short pilot study utilizing a low vacuum Solar Sipper was conducted in January 2015; success was moderate primarily because of short daylight hours.

Limited hand-bailing was conducted from 2014 through 2016, and on a quarterly basis in 2017. After further NAPL testing in 2017 showed that the transmissivity of the residual NAPL had decreased to well below 0.5 square feet per day (ft<sup>2</sup>/day), NMOCD allowed NAPL recovery to continue via hand-bailing on a monthly basis. Based on data from monthly hand-bailing events from 2018 through March 2019, measured NAPL thickness in MW-1 continued to decrease and remains below the recommended NAPL thickness of 0.5 ft for conducting additional transmissivity testing.

Results of NAPL recovery efforts since 2014, when NAPL was first observed in MW-1, are summarized below. Groundwater and NAPL measurement data are included in Table 1, and historic groundwater analytical results are found in Table 2.



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**Petroleum Hydrocarbon Mass Removal from MW-1,  
 2014-2018, BMG Hwy 537 2009 Release**

| <b><i>Time Period</i></b>               | <b><i>Mass Petroleum<br/>Hydrocarbons Removed<br/>(lbs)</i></b> |
|-----------------------------------------|-----------------------------------------------------------------|
| August to November 2014 (MPE)           | 1,957                                                           |
| Pilot Study January 2015 (Solar Sipper) | 8                                                               |
| April to May 2015 (MPE)                 | 1,874                                                           |
| Hand-Bailing (2016-2017)                | 62                                                              |
| Hand-Bailing (2018)                     | 12                                                              |
| <b><i>Cumulative Mass</i></b>           | <b><i>3,913</i></b>                                             |

Residual NAPL continued to be observed in MW-1 throughout 2020 (0.01 ft in March 2020 to 0.05 ft in September 2020), and a hydrophobic absorbent sock was installed in MW-1 in June 2020. The sock is checked periodically and replaced as needed; however, no significant quantity of NAPL has been recovered since residual NAPL was reduced to a sheen in 2020.

## *1.7 Site Activities, 2019 to 2022*

### **1.7.1 Groundwater Monitoring and Sampling, March 2019**

AES conducted groundwater monitoring and sampling in March 2019. NAPL was detected in MW-1 (0.01 ft). After fully bailing off NAPL, groundwater samples from MW-1 were submitted for laboratory analysis. The dissolved benzene concentration of 340 micrograms per liter (µg/L) exceeded the WQCC standard of 5 µg/L.

Geochemical analyses were also collected to assist in determining chemical injection masses for treatment of residual contaminants. Samples from MW-1 were laboratory analyzed for the following:

- Dissolved iron and manganese (USEPA Method 6020);
- Total iron and manganese (USEPA Method 6010); and,
- Nitrate and sulfate (USEPA Method 300.0).

Groundwater and NAPL measurement data are included in Table 1, and historic groundwater analytical results are tabulated and presented in Tables 2 and 3.

### 1.7.2 Soil Boring Installation and Groundwater Sampling, September 2019

On September 5, 2019, AES installed two soil borings (B1 and B2) in accordance with the proposed Abatement Plan to assist in planning for chemical injections at the location. Site lithology at B1 was observed to consist of cobbles and sandy soils from the surface to 5 ft bgs, clay and sand from 5 to 25 ft bgs, and clay from 20 ft to 35 ft bgs. Boring B2 is characterized by clay with sand to 5 ft bgs, clayey sand from 5 to 25 ft bgs, and clay to 35 ft bgs. Strong odors were noted throughout both borings until the terminal depths of 35 ft bgs.

Elevated petroleum hydrocarbon BTEX contaminants above the NMOCD action levels were present in soil at B1 from the surface to 30 ft bgs, and at B2 at 15 and 20 ft bgs. Elevated TPH (as gasoline-range organics [GRO], diesel-range organics [DRO], and motor oil-range organics [MRO]) concentrations were present throughout B1, and in B2 to a depth of 25 ft bgs. Chloride concentrations were below laboratory detection levels.

On September 25, 2019, groundwater gauging and sampling occurred. Residual NAPL was observed in MW-1 (0.08 ft), and MW-5 was noted to have a damaged well casing. NAPL was effectively bailed off from MW-1 (source area well), and samples were collected for laboratory analysis of WQCC parameters listed in NMAC 20.6.2.3103 as noted in the Abatement Plan. MW-1 exceeded WQCC standards for benzene (88 µg/L), total dissolved solids (TDS) (3,500 milligrams per liter [mg/L]), sulfate (1,800 mg/L), phenols (0.028 mg/L), uranium (0.036 mg/L), total aluminum (20 mg/L), total iron (28 mg/L), and total manganese (0.68 mg/L). Groundwater concentrations were either below laboratory detection limits or below applicable WQCC standards for all other parameters analyzed.

### 1.7.3 Abatement Plan

A Stage 1 and 2 Abatement Plan was submitted to NMOCD for approval on June 14, 2019, in accordance with a request from NMOCD dated March 21, 2019. Plan approval is currently pending.

### 1.7.4 Groundwater Monitoring and Sampling, 2020

On March 25, June 23, September 23, and November 23, 2020, groundwater samples were collected from MW-1 (source area well). Additionally, on March 25 and June 23, 2020, groundwater samples were collected from MW-2 (up-gradient well). Groundwater gauging occurred at other site wells during all quarterly events to assist in calculating hydraulic gradient.

Depth to groundwater at the site gradually and slightly decreased at all wells between the March and November 2020 events. The groundwater elevation at MW-1 (31.53 ft bgs)

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decreased to a near record low at MW-1 (31.65 ft bgs), and to record lows at MW-2 through MW-5, with elevations ranging from 30.84 ft bgs at MW-3 to 31.66 ft bgs at MW-5 in November 2020. Gradient was calculated to be to the southwest which is consistent with previous site data.

Residual NAPL was observed in MW-1 (0.01 ft in March 2020 to 0.05 ft in September 2020). NAPL was effectively bailed off to a sheen, a hydrophobic absorbent sock was installed in June 2020.

MW-1 exceeded WQCC standards for: benzene (220 µg/L in March, 760 µg/L in June, 9.7 µg/L in September, and 110 µg/L in November 2020) and dissolved manganese (0.52 mg/L in March and 0.66 in June 2020).

#### 1.7.5 Groundwater Monitoring and Sampling, 2021

On March 17, June 17, September 29, and December 14, 2021, groundwater samples were collected from MW-1 (source area well). Groundwater gauging occurred at other site wells to assist in calculating hydraulic gradient.

Depth to groundwater at the site rebounded slightly between the November 2020 and March 2021 sampling events, but then decreased to record lows in each well in subsequent events, with December 2021 depths to groundwater ranging from 32.01 ft bgs at MW-1 to 32.5 ft bgs at MW-3 and MW-4. Gradient was calculated to be to the southwest and is consistent with previous site data;

Residual NAPL was observed in MW-1 (sheen in March to 0.02 ft in September 2021). NAPL was effectively bailed off to a sheen during all four events, and samples were collected in from MW-1. In addition, a hydrophobic absorbent sock installed in June 2020 continues to be utilized in MW-1;

MW-1 exceeded the WQCC standard of 5 µg/L for benzene with 160 µg/L in March, 14 µg/L in June, 190 µg/L in September, and 54 µg/L in December. This well surpassed the WQCC standard of 0.2 mg/L for dissolved manganese with 0.42 mg/L in September.

#### 1.7.6 Groundwater Monitoring and Sampling, 2022

On March 8, June 9, September 28, and December 1, 2022, groundwater samples were collected from MW-1 (source area well). Groundwater gauging occurred at other site wells to assist in calculating hydraulic gradient.

Depth to groundwater at the site was near record lows in June 2022 then rebounded slightly in September 2022. December 2022 depths to groundwater ranged from 30.59 ft

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bgs at MW-3 to 31.51 ft bgs at MW-5. Gradient was calculated to be to the southwest and was consistent with previous site data.

Residual NAPL was observed in MW-1 as a sheen in March, June, and September 2022. NAPL was effectively bailed off to a sheen during each of these sampling events, and samples were collected in from MW-1. No NAPL sheen was observed in MW-1 during the December 2022 sampling event for the first time since March 2019. Note that a hydrophobic absorbent sock installed in June 2020 continues to be utilized in MW-1.

MW-1 exceeded the WQCC standard of 5 µg/L for benzene with 180 µg/L in March, 76 µg/L in June, 160 µg/L in September, and 380 µg/L in December. Mann-Kendall trend analysis could not confirm an increasing or decreasing trend for these concentrations. This well continued to exceed the dissolved phase manganese WQCC standard, with the most recent concentration reported at 0.27 mg/L.

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## 2.0 Groundwater Monitoring and Sampling, 2023

Groundwater monitoring and sampling was conducted by AES in March, June, September, and December 2023. All samples were preserved in laboratory-supplied containers and stored in an insulated cooler containing ice. Samples were shipped via laboratory courier in chilled and insulated coolers at less than 6°C to the analytical laboratory.

Groundwater elevations are presented in Table 1. Water sample collection forms are presented in Appendix A, and laboratory analytical reports are in Appendix B.

### 2.1 March 2023

For Q1 of 2023, groundwater monitoring of all site wells and sampling of MW-1 was conducted by AES on March 15, 2023. During the sampling event, a residual NAPL sheen was detected in MW-1 before the initial bail. NAPL was bailed from this well, and because groundwater recharge was sufficient, samples were able to be collected for laboratory analysis.

#### Groundwater Elevations and Water Quality Measurements

Depth to groundwater at the site ranged from 28.84 ft bgs at MW-3 to 30.39 ft bgs at MW-5. Field water quality measurements were not obtained from MW-1 due to the residual NAPL sheen, and MW-5 was noted to have a damaged well casing. Groundwater gradient was calculated to be 0.007 ft/ft in a west-northwestern direction between MW-2

and MW-5. March 2023 groundwater elevations and contours are presented in Figure 3A.

#### Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico (Hall), for analysis of the following parameters listed in NMAC 20.6.2.3103(A-C) in accordance with the proposed Abatement Plan:

- Volatile organic compounds (VOCs) per USEPA Method 8260.

#### Groundwater Laboratory Analytical Results

Groundwater analytical results for MW-1 showed concentrations *above WQCC standards* for the following parameters:

- Benzene - 430 µg/L (WQCC standard 5 µg/L).

Groundwater analytical results are tabulated and presented in Tables 2 and 3 and are also presented on Figure 4. The laboratory analytical report is included in Appendix B.

## 2.2 June 2023

Groundwater monitoring of all site wells and sampling of monitor well MW-1 was conducted by AES on June 21, 2023, for Q2 2023. During the sampling event, residual NAPL (0.01 ft) was observed in MW-1. NAPL was bailed from this well, and because groundwater recharge was sufficient, samples were able to be collected for laboratory analysis.

#### Groundwater Elevations and Water Quality Measurements

Depth to groundwater at the site ranged from 29.96 ft bgs at MW-3 to 30.91 ft bgs at MW-5. NAPL was measured only at MW-1 (0.01 ft). Field water quality measurements were collected from MW-5, with: temperature 13.4°C, specific conductivity 4.411 mS, dissolved oxygen 3.9 mg/L, pH 7.2, and ORP 22.8 mV. Groundwater gradient was calculated to be 0.006 ft/ft in a western direction. June 2023 groundwater elevations and contours are presented in Figure 3B.

#### Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) and MW-5 were submitted to Hall in Albuquerque, New Mexico, for analysis of the following parameters listed in NMAC 20.6.2.3103(A-C) in accordance with the proposed Abatement Plan:

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- Dissolved manganese per USEPA Method 200.7; and
- Total Phenolics by SW-846 9067.

#### Groundwater Laboratory Analytical Results

Groundwater analytical results for MW-1 showed concentrations *above WQCC standards* for the following parameters:

- Dissolved manganese – 0.26 mg/L (WQCC standard 0.2 mg/L); and
- Phenols – 3.1 mg/L (WQCC standard 0.005 mg/L).

Groundwater analytical results for MW-5 showed a dissolved manganese concentration (0.056 mg/L), which is below the WQCC standard. Note that the laboratory detection limit of 3.0 mg/L exceeded the WQCC standard for phenols. Groundwater analytical results are tabulated and presented in Tables 2 and 3 and are also presented on Figure 4.

### 2.3 September 2023

For Q3, groundwater monitoring of all site wells and sampling of monitor well MW-1 was conducted by AES on September 13, 2023. During the sampling event, a NAPL sheen remained in MW-1. NAPL was bailed from this well, and because groundwater recharge was sufficient, samples were collected for laboratory analysis.

#### Groundwater Elevations and Water Quality Measurements

Depth to groundwater at the site ranged from 30.48 ft bgs at MW-3 to 31.91 ft bgs at MW-4. Residual NAPL was measured only at MW-1 (sheen). Groundwater gradient was calculated to be 0.011 ft/ft in a southwestern direction. September 2023 groundwater elevations and contours are presented in Figure 3C.

#### Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Hall in Albuquerque, New Mexico, for analysis of the following parameters listed in NMAC 20.6.2.3103(A-C) in accordance with the proposed Abatement Plan:

- VOCs per USEPA Method 8260.

#### Groundwater Laboratory Analytical Results

Groundwater analytical results for MW-1 showed concentrations *above WQCC standards* for the following parameters:



- Benzene - 250 µg/L (WQCC standard 5 µg/L).

Groundwater analytical results are tabulated and presented in Tables 2 and 3; and are also presented on Figure 4.

## 2.4 December 2023

Groundwater monitoring of all site wells and sampling of monitor well MW-1 was conducted by AES on December 13, 2023, for Q4 2023. During the sampling event, a residual NAPL sheen was observed in MW-1. NAPL was bailed from this well, and because groundwater recharge was sufficient, samples were able to be collected for laboratory analysis.

### Groundwater Elevations and Water Quality Measurements

Depth to groundwater at the site ranged from 30.04 ft bgs at MW-4 to 31.78 ft bgs at MW-5. The calculated groundwater gradient was essentially flat. December 2023 groundwater elevations and contours are presented in Figure 3D.

### Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Eurofins Environment Testing South Central (formerly Hall) in Albuquerque, New Mexico (Eurofins), for analysis of the following parameters:

- VOCs per USEPA Method 8260;
- Sulfate per USEPA Method 300.0; and
- Total dissolved solids (TDS) per SM2540C MOD.

### Groundwater Laboratory Analytical Results

Groundwater analytical results for MW-1 showed concentrations *above WQCC standards* for the following parameters:

- Benzene - 300 µg/L (WQCC standard 5 µg/L);
- Sulfate – 1,700 mg/L (WQCC standard 600 mg/L); and
- TDS – 3,120 mg/L (WQCC standard 1,000 mg/L).

Groundwater analytical results are tabulated and presented in Tables 2 and 3; and are also presented on Figure 4.

### 3.0 Discussion

Under NMAC 9.15.30 for Abatement Plans, groundwater sampling for parameters listed in NMAC 20.6.2.3103(A-C) are required to identify parameters that may be contaminants of concern. Comprehensive sampling for all parameters was first completed in MW-1 (source/release area) in September 2019, and exceedances were identified for benzene, uranium, sulfate, TDS, total phenols, and dissolved manganese. Subsequent sampling at MW-2 (upgradient) conducted in March 2020 reported sulfate and TDS concentrations consistent with naturally occurring background concentrations and with concentrations in MW-1.

The remaining contaminants of concern in the dissolved phase are dissolved manganese, phenols, and benzene. To assess natural attenuation of VOCs at the site, AES performed Mann-Kendall analyses for two different time frames for BTEX concentrations in MW-1: 2009-2023 (the entire history of the monitor well) and 2019-2023 (the most recent set of consistent quarterly monitoring events). The Mann-Kendall analyses were run using ProUCL 5.2.0, a software package developed by U.S. Environmental Protection Agency for statistical analysis of data generated at Superfund sites, using a confidence coefficient of 0.95. Each trend (for a specific contaminant at a specific well) is categorized as “Increasing”, “Decreasing”, or “No Trend”. The results of these trend analyses are summarized in the following table.

Mann-Kendall Trend Analyses for BTEX Concentrations at MW-1

| Analyte       | Time Period |            |
|---------------|-------------|------------|
|               | 2009-2023   | 2019-2023  |
| Benzene       | No Trend    | No Trend   |
| Toluene       | No Trend    | No Trend   |
| Ethylbenzene  | Decreasing  | No Trend   |
| Total Xylenes | No Trend    | Decreasing |

Overall, BTEX concentrations demonstrate “No Trend” over both time periods, with the exceptions of ethylbenzene from 2009 to 2023 and total xylenes from 2019 to 2023, which both demonstrate “Decreasing” trends. Benzene concentrations at MW-1 since 2019 are presented in Graph 1.

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## 4.0 Conclusions and Recommendations

### 4.1 Conclusions

On March 15, June 21, September 13, and December 13, 2023, groundwater samples were collected from MW-1 (source area well). Groundwater samples were also collected from MW-5 in June 2023. Groundwater gauging occurred at other site wells to assist in calculating hydraulic gradient.

Based on field observations, field screening, and laboratory analytical results from March through December 2023, the following is concluded:

1. Depth to groundwater at the site was near record lows in September 2023 and then rebounded slightly in December 2023. December 2023 depths to groundwater ranged from 30.04 ft bgs at MW-4 to 31.78 ft bgs at MW-5. The groundwater gradient varied between quarters from southwest to west and was essentially flat in December 2023. Historic groundwater gradient has been in a southwestern direction.
2. Residual NAPL was observed in MW-1 as a sheen in March, September, and December 2023. A measurable NAPL thickness of 0.01 ft was recorded in MW-1 in June 2023. NAPL was effectively bailed off to a sheen during each of these sampling events, and samples were collected in from MW-1. Note that an oleophilic/hydrophobic absorbent sock installed in June 2020 continues to be utilized in MW-1; these absorbent socks function only to adsorb residual NAPL from the well. No other compounds are introduced into the shallow aquifer through the use of an absorbent sock. Samples were also collected from MW-5 in June 2023 for analysis of dissolved manganese and phenols.
3. MW-1 exceeded the WQCC standard of 5 µg/L for benzene with 430 µg/L in March, 250 µg/L in September, and 300 µg/L in December. Note that MW-1 was sampled on an annual basis for dissolved manganese and phenols in June 2023. Mann-Kendall analyses demonstrated that overall, BTEX concentrations at MW-1 are experiencing slow rates of natural attenuation.

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4. MW-1 continues to exceed the dissolved phase manganese WQCC standard, with the most recent concentration reported at 0.26 mg/L. MW-1 also exceeded the WQCC standard for phenols with 3.1 mg/L, sulfate with 1,700 mg/L, and TDS with 3,120 mg/L. However, TDS and sulfate concentrations are also at elevated concentrations in upgradient MW-2, indicating that these parameters are present as elevated background concentrations across the area.

#### 4.2 Recommendations

Based on groundwater concentrations above WQCC standards, AES recommends continued groundwater monitoring and sampling in **MW-1** for:

1. Quarterly: VOCs (USEPA Method 8260);
2. Annual: Phenols (SW-846 9067) and dissolved manganese (USEPA Method 200.7) – to be conducted in September 2024.
3. Gauge all wells for depth to groundwater and water quality parameters on an annual basis (September 2024).
4. Replace absorbent sock in MW-1 as needed.

AES on behalf of BMG plans to submit an Abatement Plan Amendment in Spring 2024 to propose additional mitigation efforts for this site.

If you have any questions regarding this report or site conditions, please do not hesitate to contact Angela Todd at (720) 537-6650 or Elizabeth McNally at (505) 564-2281.

Respectfully Submitted,



Lany Cupps  
Environmental Coordinator



Angela Todd, CHMM, PMP  
Senior Project Manager

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Elizabeth McNally, P.E.  
Principal

## Tables

1. Summary of Groundwater Measurement and Water Quality Data
2. Summary of Groundwater Analytical Results – VOCs and TPH
3. Summary of Groundwater Analytical Results - WQCC Groundwater Standards

## Figures

1. Topographic Site Location Map
2. Aerial Site Map
- 3A. General Site Map and Groundwater Gradient Map, March 2023
- 3B. General Site Map and Groundwater Gradient Map, June 2023
- 3C. General Site Map and Groundwater Gradient Map, September 2023
- 3D. General Site Map and Groundwater Gradient Map, December 2023
4. Groundwater Contaminant Concentrations, 2023

## Graphs

1. Dissolved Phase Benzene and Groundwater Elevations Over Time – MW-1

## Appendices

- A. Groundwater Sample Collection Forms (March, June, September, and December 2023)
- B. Laboratory Analytical Reports (Hall No. 2303A32, 2303953, 2303950, 2306C91, 2309856, and Eurofins No. 2312921)
- C. Mann-Kendall Trend Analyses Outputs

Cc: Zach Stradling ([zstradling@bmgdrilling.com](mailto:zstradling@bmgdrilling.com))  
Benson-Montin-Greer Drilling Corp.  
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Craig Schmitz, Private Landowner (hard copy)  
#70 County Road 405  
Lindrith, NM 87029

## Tables



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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C)                                      | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|-------------------------------------------------|------------------------|-------------------------|------|----------|
| MW-1    | 05-Mar-09     | 7064.66                           |                    | 27.95               |                     | 7036.71                         |                         | 12.29                                           | 5.231                  | 1.27                    | 6.64 | -36.1    |
| MW-1    | 11-Sep-09     | 7064.66                           |                    | 28.66               |                     | 7036.00                         |                         | 13.15                                           | 7.016                  | 0.65                    | 8.60 | -118.5   |
| MW-1    | 15-Jan-10     | 7064.66                           |                    | 28.91               |                     | 7035.75                         |                         | 13.30                                           | 3.714                  | 2.74                    | 6.79 | -167.8   |
| MW-1    | 15-Oct-10     | 7064.66                           |                    | 29.20               |                     | 7035.46                         |                         | 13.77                                           | 4.642                  | 1.51                    | 7.14 | -17.9    |
| MW-1    | 21-Jan-11     | 7064.66                           |                    | 29.28               |                     | 7035.38                         |                         | 12.42                                           | 4.246                  | 1.63                    | 6.92 | -85.8    |
| MW-1    | 12-May-11     | 7064.66                           |                    | 28.93               |                     | 7035.73                         |                         | 13.08                                           | 3.830                  | 2.95                    | 7.00 | -96.1    |
| MW-1    | 12-Aug-11     | 7064.66                           |                    | 29.67               |                     | 7034.99                         |                         | 14.03                                           | 4.637                  | 3.83                    | 6.94 | -107.9   |
| MW-1    | 16-Nov-11     | 7064.66                           |                    | 29.82               |                     | 7034.84                         |                         | 11.57                                           | 4.385                  | 2.89                    | 5.35 | -69.7    |
| MW-1    | 21-Feb-12     | 7064.66                           |                    | 29.77               |                     | 7034.89                         |                         | 12.01                                           | 4.063                  | 1.09                    | 6.78 | -123.9   |
| MW-1    | 24-May-12     | 7064.66                           |                    | 29.77               |                     | 7034.89                         |                         | 12.94                                           | 4.563                  | 1.04                    | 6.95 | -46.5    |
| MW-1    | 10-Sep-12     | 7064.66                           |                    | 30.14               |                     | 7034.52                         |                         | 14.63                                           | 4.705                  | 1.16                    | 7.12 | -15.7    |
| MW-1    | 04-Dec-12     | 7064.66                           |                    | 30.33               |                     | 7034.33                         |                         | 12.55                                           | 4.430                  | 1.30                    | 7.11 | -7.1     |
| MW-1    | 26-Mar-13     | 7064.66                           |                    | 29.87               |                     | 7034.79                         |                         | 12.20                                           | 4.556                  | 1.66                    | 6.72 | -5.9     |
| MW-1    | 01-Jul-13     | 7064.66                           |                    | 30.41               |                     | 7034.25                         |                         | 13.52                                           | 4.372                  | 3.61                    | 7.18 | 9.2      |
| MW-1    | 25-Sep-13     | 7064.66                           |                    | 29.51               |                     | 7035.15                         |                         | 12.62                                           | 8.264                  | 1.64                    | 7.21 | -48.6    |
| MW-1    | 14-Jan-14     | 7064.66                           |                    | 30.10               |                     | 7034.56                         |                         | 12.78                                           | 4.905                  | 1.75                    | NM   | -59.5    |
| MW-1    | 04-Apr-14     | 7064.66                           | 29.84              | 31.02               | 1.18                | 7033.64                         | 7034.67                 | Not Measured - NAPL Present (1.18 ft thickness) |                        |                         |      |          |
| MW-1    | 26-Sep-14     | 7064.66                           | 30.25              | 30.90               | 0.65                | 7033.76                         | 7034.33                 | Not Measured - NAPL Present (0.65 ft thickness) |                        |                         |      |          |
| MW-1    | 03-Dec-14     | 7064.66                           | 30.31              | 31.47               | 1.16                | 7033.19                         | 7034.20                 | Not Measured - NAPL Present (1.16 ft thickness) |                        |                         |      |          |
| MW-1    | 27-Mar-15     | 7064.66                           | 29.35              | 29.63               | 0.28                | 7035.03                         | 7035.27                 | Not Measured - NAPL Present (0.28 ft thickness) |                        |                         |      |          |
| MW-1    | 08-Dec-15     | 7064.66                           | 29.84              | 31.48               | 1.64                | 7033.18                         | 7034.61                 | Not Measured - NAPL Present (1.64 ft thickness) |                        |                         |      |          |
| MW-1    | 02-Jun-16     | 7064.66                           | 29.56              | 31.21               | 1.65                | 7033.45                         | 7034.89                 | Not Measured - NAPL Present (1.65 ft thickness) |                        |                         |      |          |
| MW-1    | 20-Oct-16     | 7064.66                           | 30.20              | 30.94               | 0.74                | 7033.72                         | 7034.36                 | Not Measured - NAPL Present (0.74 ft thickness) |                        |                         |      |          |
| MW-1    | 26-Jan-17     | 7064.66                           | 29.77              | 30.38               | 0.61                | 7034.28                         | 7034.81                 | Not Measured - NAPL Present (0.61 ft thickness) |                        |                         |      |          |
| MW-1    | 14-Apr-17     | 7064.66                           | 29.46              | 29.73               | 0.27                | 7034.93                         | 7035.16                 | Not Measured - NAPL Present (0.27 ft thickness) |                        |                         |      |          |
| MW-1    | 14-Aug-17     | 7064.66                           | 30.08              | 31.30               | 1.22                | 7033.36                         | 7034.42                 | Not Measured - NAPL Present (1.22 ft thickness) |                        |                         |      |          |
| MW-1    | 28-Sep-17     | 7064.66                           | 30.43              | 31.65               | 1.22                | 7033.01                         | 7034.07                 | Not Measured - NAPL Present (1.22 ft thickness) |                        |                         |      |          |

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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C)                                      | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|-------------------------------------------------|------------------------|-------------------------|------|----------|
| MW-1    | 07-Dec-17     | 7064.66                           | 30.01              | 30.39               | 0.38                | 7034.27                         | 7034.60                 | Not Measured - NAPL Present (0.38 ft thickness) |                        |                         |      |          |
| MW-1    | 09-Jan-18     | 7064.66                           | 30.12              | 30.55               | 0.43                | 7034.11                         | 7034.48                 | Not Measured - NAPL Present (0.43 ft thickness) |                        |                         |      |          |
| MW-1    | 12-Feb-18     | 7064.66                           | 30.07              | 30.44               | 0.37                | 7034.22                         | 7034.54                 | Not Measured - NAPL Present (0.37 ft thickness) |                        |                         |      |          |
| MW-1    | 05-Mar-18     | 7064.66                           | 30.12              | 30.31               | 0.19                | 7034.35                         | 7034.52                 | Not Measured - NAPL Present (0.19 ft thickness) |                        |                         |      |          |
| MW-1    | 05-Apr-18     | 7064.66                           | 30.13              | 30.30               | 0.17                | 7034.36                         | 7034.51                 | Not Measured - NAPL Present (0.17 ft thickness) |                        |                         |      |          |
| MW-1    | 18-May-18     | 7064.66                           | 30.18              | 30.38               | 0.20                | 7034.28                         | 7034.45                 | Not Measured - NAPL Present (0.20 ft thickness) |                        |                         |      |          |
| MW-1    | 12-Jun-18     | 7064.66                           | 30.34              | 31.06               | 0.72                | 7033.60                         | 7034.23                 | Not Measured - NAPL Present (0.72 ft thickness) |                        |                         |      |          |
| MW-1    | 09-Jul-18     | 7064.66                           | 30.60              | 30.97               | 0.37                | 7033.69                         | 7034.01                 | Not Measured - NAPL Present (0.37 ft thickness) |                        |                         |      |          |
| MW-1    | 13-Aug-18     | 7064.66                           | 30.73              | 31.18               | 0.45                | 7033.48                         | 7033.87                 | Not Measured - NAPL Present (0.45 ft thickness) |                        |                         |      |          |
| MW-1    | 24-Sep-18     | 7064.66                           | 30.99              | 31.31               | 0.32                | 7033.35                         | 7033.63                 | Not Measured - NAPL Present (0.32 ft thickness) |                        |                         |      |          |
| MW-1    | 26-Oct-18     | 7064.66                           | 31.04              | 31.17               | 0.13                | 7033.49                         | 7033.60                 | Not Measured - NAPL Present (0.13 ft thickness) |                        |                         |      |          |
| MW-1    | 19-Nov-18     | 7064.66                           | 31.05              | 31.13               | 0.08                | 7033.53                         | 7033.60                 | Not Measured - NAPL Present (0.08 ft thickness) |                        |                         |      |          |
| MW-1    | 14-Dec-18     | 7064.66                           | 31.04              | 31.08               | 0.04                | 7033.58                         | 7033.61                 | Not Measured - NAPL Present (0.04 ft thickness) |                        |                         |      |          |
| MW-1    | 15-Jan-19     | 7064.66                           |                    | 29.90               |                     | 7034.76                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-1    | 26-Mar-19     | 7064.66                           | 29.52              | 29.53               | 0.01                | 7035.13                         | 7035.14                 | 13.7                                            | 3.297                  | 1.16                    | 7.44 | -25.3    |
| MW-1    | 25-Sep-19     | 7064.66                           | 30.91              | 30.99               | 0.08                | 7033.67                         | 7033.74                 | Not Measured - NAPL Present (0.08 ft thickness) |                        |                         |      |          |
| MW-1    | 25-Mar-20     | 7064.66                           | 30.35              | 30.36               | 0.01                | 7034.30                         | 7034.31                 | Not Measured - NAPL Present (0.01 ft thickness) |                        |                         |      |          |
| MW-1    | 23-Jun-20     | 7064.66                           | 30.94              | 30.97               | 0.03                | 7033.69                         | 7033.72                 | Not Measured - NAPL Present (0.03 ft thickness) |                        |                         |      |          |
| MW-1    | 23-Sep-20     | 7064.66                           | 31.45              | 31.50               | 0.05                | 7033.16                         | 7033.20                 | Not Measured - NAPL Present (0.05 ft thickness) |                        |                         |      |          |
| MW-1    | 23-Nov-20     | 7064.66                           | 31.51              | 31.53               | 0.02                | 7033.13                         | 7033.15                 | Not Measured - NAPL Present (0.02 ft thickness) |                        |                         |      |          |
| MW-1    | 17-Mar-21     | 7064.66                           |                    | 31.44               |                     | 7033.22                         | 7033.22                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |
| MW-1    | 17-Jun-21     | 7064.66                           | 31.71              | 31.72               | 0.01                | 7032.94                         | 7032.95                 | Not Measured - NAPL Present (0.01 ft thickness) |                        |                         |      |          |
| MW-1    | 29-Sep-21     | 7064.66                           | 32.07              | 32.09               | 0.02                | 7032.57                         | 7032.59                 | Not Measured - NAPL Present (0.02 ft thickness) |                        |                         |      |          |
| MW-1    | 14-Dec-21     | 7064.66                           | 32.00              | 32.01               | 0.01                | 7032.65                         | 7032.66                 | Not Measured - NAPL Present (0.01 ft thickness) |                        |                         |      |          |
| MW-1    | 08-Mar-22     | 7064.66                           | 30.41              | 30.42               | 0.01                | 7034.24                         | 7034.25                 | Not Measured - NAPL Present (0.01 ft thickness) |                        |                         |      |          |
| MW-1    | 09-Jun-22     | 7064.66                           |                    | 31.99               |                     | 7032.67                         | 7032.67                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |
| MW-1    | 28-Sep-22     | 7064.66                           |                    | 30.58               |                     | 7034.08                         | 7034.08                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |

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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C)                                      | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|-------------------------------------------------|------------------------|-------------------------|------|----------|
| MW-1    | 01-Dec-22     | 7064.66                           |                    | 31.51               |                     | 7033.15                         | 7033.15                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |
| MW-1    | 15-Mar-23     | 7064.66                           |                    | 29.91               |                     | 7034.75                         | 7034.75                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |
| MW-1    | 21-Jun-23     | 7064.66                           | 30.71              | 30.72               | 0.01                | 7033.94                         | 7033.95                 | Not Measured - NAPL Present (0.01 ft thickness) |                        |                         |      |          |
| MW-1    | 13-Sep-23     | 7064.66                           |                    | 31.69               |                     | 7032.97                         | 7032.97                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |
| MW-1    | 13-Dec-23     | 7064.66                           |                    | 31.64               |                     | 7033.02                         | 7033.02                 | Not Measured - NAPL Present (sheen)             |                        |                         |      |          |
|         |               |                                   |                    |                     |                     |                                 |                         |                                                 |                        |                         |      |          |
| MW-2    | 05-Mar-09     | 7064.65                           |                    | 27.69               |                     | 7036.96                         |                         | 12.00                                           | 4.567                  | 2.59                    | 6.82 | -29.8    |
| MW-2    | 10-Sep-09     | 7064.65                           |                    | 28.38               |                     | 7036.27                         |                         | 12.93                                           | 6.480                  | 1.09                    | 7.58 | 62.2     |
| MW-2    | 15-Jan-10     | 7064.65                           |                    | 28.62               |                     | 7036.03                         |                         | 12.49                                           | 3.604                  | 2.10                    | 7.57 | -70.3    |
| MW-2    | 14-Oct-10     | 7064.65                           |                    | 28.91               |                     | 7035.74                         |                         | 12.49                                           | 3.968                  | 1.71                    | 7.40 | 98.9     |
| MW-2    | 21-Jan-11     | 7064.65                           |                    | 28.99               |                     | 7035.66                         |                         | 11.44                                           | 4.045                  | 1.62                    | 8.56 | -6.2     |
| MW-2    | 12-May-11     | 7064.65                           |                    | 28.63               |                     | 7036.02                         |                         | 13.14                                           | 4.087                  | 1.43                    | 7.67 | -66.7    |
| MW-2    | 12-Aug-11     | 7064.65                           |                    | 29.37               |                     | 7035.28                         |                         | 14.08                                           | 4.102                  | 4.36                    | 7.09 | 160.2    |
| MW-2    | 16-Nov-11     | 7064.65                           |                    | 29.52               |                     | 7035.13                         |                         | 11.60                                           | 4.021                  | 2.48                    | 7.51 | 176.2    |
| MW-2    | 21-Feb-12     | 7064.65                           |                    | 29.46               |                     | 7035.19                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 24-May-12     | 7064.65                           |                    | 29.47               |                     | 7035.18                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 10-Sep-12     | 7064.65                           |                    | 29.84               |                     | 7034.81                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 04-Dec-12     | 7064.65                           |                    | 30.03               |                     | 7034.62                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 26-Mar-13     | 7064.65                           |                    | 29.60               |                     | 7035.05                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 27-Jun-13     | 7064.65                           |                    | 30.11               |                     | 7034.54                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 25-Sep-13     | 7064.65                           |                    | 29.28               |                     | 7035.37                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 14-Jan-14     | 7064.65                           |                    | 29.81               |                     | 7034.84                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 04-Apr-14     | 7064.65                           |                    | 29.84               |                     | 7034.81                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 10-Sep-14     | 7064.65                           |                    | 29.88               |                     | 7034.77                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 03-Dec-14     | 7064.65                           |                    | 30.24               |                     | 7034.41                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 27-Mar-15     | 7064.65                           |                    | 29.16               |                     | 7035.49                         |                         | NM                                              | NM                     | NM                      | NM   | NM       |
| MW-2    | 08-Dec-15     | 7064.65                           |                    | 29.90               |                     | 7034.75                         |                         | 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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (° C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|-------------|------------------------|-------------------------|------|----------|
| MW-2    | 02-Jun-16     | 7064.65                           |                    | 29.57               |                     | 7035.08                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 20-Oct-16     | 7064.65                           |                    | 30.02               |                     | 7034.63                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 26-Jan-17     | 7064.65                           |                    | 29.61               |                     | 7035.04                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 14-Apr-17     | 7064.65                           |                    | 29.23               |                     | 7035.42                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 14-Aug-17     | 7064.65                           |                    | 30.01               |                     | 7034.64                         |                         | 12.91       | 3.907                  | 2.22                    | 7.31 | 168.4    |
| MW-2    | 26-Mar-19     | 7064.65                           |                    | 29.29               |                     | 7035.36                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 25-Sep-19     | 7064.65                           |                    | 30.66               |                     | 7033.99                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 25-Mar-20     | 7064.65                           |                    | 30.04               |                     | 7034.61                         |                         | 12.2        | 3.78                   | 1.33                    | 7.17 | 156.6    |
| MW-2    | 23-Jun-20     | 7064.65                           |                    | 30.65               |                     | 7034.00                         |                         | 13.1        | 3.76                   | 1.02                    | 7.24 | 149.7    |
| MW-2    | 23-Sep-20     | 7064.65                           |                    | 31.16               |                     | 7033.49                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 23-Nov-20     | 7064.65                           |                    | 31.25               |                     | 7033.40                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 17-Mar-21     | 7064.65                           |                    | 31.12               |                     | 7033.53                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 17-Jun-21     | 7064.65                           |                    | 31.38               |                     | 7033.27                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 29-Sep-21     | 7064.65                           |                    | 31.76               |                     | 7032.89                         |                         | 13.4        | 2.892                  | 0.69                    | 7.47 | 225.4    |
| MW-2    | 14-Dec-21     | 7064.65                           |                    | 32.4                |                     | 7032.25                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 08-Mar-22     | 7064.65                           |                    | 34.14               |                     | 7030.51                         |                         | 12.4        | 3.437                  | 8.0                     | 7.2  | 168.2    |
| MW-2    | 09-Jun-22     | 7064.65                           |                    | 31.72               |                     | 7032.93                         |                         | 13.6        | 2.936                  | 1.2                     | 7.2  | 134.6    |
| MW-2    | 28-Sep-22     | 7064.65                           |                    | 30.34               |                     | 7034.31                         |                         | 14.6        | 3.048                  | 2.0                     | 7.2  | 215.1    |
| MW-2    | 21-Dec-22     | 7064.65                           |                    | 21.02               |                     | 7043.63                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 15-Mar-23     | 7064.65                           |                    | 29.68               |                     | 7034.97                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 21-Jun-23     | 7064.65                           |                    | 30.39               |                     | 7034.26                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 13-Sep-23     | 7064.65                           |                    | 31.56               |                     | 7033.09                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-2    | 13-Dec-23     | 7064.65                           |                    | 31.32               |                     | 7033.33                         |                         | NM          | NM                     | NM                      | NM   | NM       |
|         |               |                                   |                    |                     |                     |                                 |                         |             |                        |                         |      |          |
| MW-3    | 05-Mar-09     | 7064.01                           |                    | 27.16               |                     | 7036.85                         |                         | 12.29       | 4.310                  | 2.17                    | 6.66 | -28.2    |
| MW-3    | 11-Sep-09     | 7064.01                           |                    | 27.99               |                     | 7036.02                         |                         | 13.50       | 6.080                  | 0.53                    | 9.43 | -163.6   |
| MW-3    | 15-Jan-10     | 7064.01                           |                    | 28.22               |                     | 7035.79                         |                         | 11.99       | 3.607                  | 1.85                    | 7.27 | -222.5   |

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BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID | Date Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|------------|------------------------|-------------------------|------|----------|
| MW-3    | 14-Oct-10     | 7064.01                           |                    | 28.54               |                     | 7035.47                         |                         | 12.41      | 4.180                  | 1.46                    | 7.24 | -53.1    |
| MW-3    | 21-Jan-11     | 7064.01                           |                    | 28.60               |                     | 7035.41                         |                         | 11.92      | 4.224                  | 1.60                    | 7.20 | -122.5   |
| MW-3    | 12-May-11     | 7064.01                           |                    | 28.21               |                     | 7035.80                         |                         | 12.56      | 4.172                  | 2.25                    | 7.28 | -145.8   |
| MW-3    | 12-Aug-11     | 7064.01                           |                    | 29.02               |                     | 7034.99                         |                         | 13.32      | 4.372                  | 2.35                    | 7.17 | -158.5   |
| MW-3    | 16-Nov-11     | 7064.01                           |                    | 29.14               |                     | 7034.87                         |                         | 10.87      | 4.326                  | 2.17                    | 6.53 | -105.7   |
| MW-3    | 21-Feb-12     | 7064.01                           |                    | 29.07               |                     | 7034.94                         |                         | 11.36      | 4.481                  | 1.01                    | 7.09 | -118.0   |
| MW-3    | 24-May-12     | 7064.01                           |                    | 29.09               |                     | 7034.92                         |                         | 13.30      | 4.325                  | 0.81                    | 7.07 | -70.3    |
| MW-3    | 10-Sep-12     | 7064.01                           |                    | 29.45               |                     | 7034.56                         |                         | 13.26      | 4.377                  | 2.49                    | 7.23 | -42.7    |
| MW-3    | 04-Dec-12     | 7064.01                           |                    | 29.65               |                     | 7034.36                         |                         | 12.08      | 4.294                  | 0.69                    | 7.26 | -46.8    |
| MW-3    | 26-Mar-13     | 7064.01                           |                    | 29.12               |                     | 7034.89                         |                         | 11.93      | 2.337                  | 5.85                    | 7.46 | 59.3     |
| MW-3    | 01-Jul-13     | 7064.01                           |                    | 29.74               |                     | 7034.27                         |                         | 14.64      | 4.119                  | 11.22                   | 7.69 | -36.8    |
| MW-3    | 25-Sep-13     | 7064.01                           |                    | 28.65               |                     | 7035.36                         |                         | 12.50      | 7.764                  | 2.08                    | 7.22 | -79.5    |
| MW-3    | 14-Jan-14     | 7064.01                           |                    | 29.38               |                     | 7034.63                         |                         | 12.23      | 4.764                  | 1.74                    | NM   | -59.9    |
| MW-3    | 10-Sep-14     | 7064.01                           |                    | 29.39               |                     | 7034.62                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 26-Sep-14     | 7064.01                           |                    | 13.68               |                     | 7050.33                         |                         | 12.88      | 2.718                  | 2.69                    | 7.11 | 27.2     |
| MW-3    | 03-Dec-14     | 7064.01                           |                    | 29.83               |                     | 7034.18                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 27-Mar-15     | 7064.01                           |                    | 28.60               |                     | 7035.41                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 08-Dec-15     | 7064.01                           |                    | 29.45               |                     | 7034.56                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 02-Jun-16     | 7064.01                           |                    | 29.15               |                     | 7034.86                         |                         | 12.71      | 4.064                  | 1.58                    | 7.08 | -3.2     |
| MW-3    | 20-Oct-16     | 7064.01                           |                    | 29.60               |                     | 7034.41                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 26-Jan-17     | 7064.01                           |                    | 29.09               |                     | 7034.92                         |                         | 11.19      | 4.024                  | 1.90                    | 7.18 | 11.5     |
| MW-3    | 14-Apr-17     | 7064.01                           |                    | 28.70               |                     | 7035.31                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 14-Aug-17     | 7064.01                           |                    | 29.57               |                     | 7034.44                         |                         | 12.79      | 4.041                  | 2.09                    | 7.22 | 33.6     |
| MW-3    | 26-Mar-19     | 7064.01                           |                    | 28.64               |                     | 7035.37                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 25-Sep-19     | 7064.01                           |                    | 30.23               |                     | 7033.78                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 25-Mar-20     | 7064.01                           |                    | 29.56               |                     | 7034.45                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 23-Jun-20     | 7064.01                           |                    | 30.26               |                     | 7033.75                         |                         | 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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|------------|------------------------|-------------------------|------|----------|
| MW-3    | 23-Sep-20     | 7064.01                           |                    | 30.78               |                     | 7033.23                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 23-Nov-20     | 7064.01                           |                    | 30.84               |                     | 7033.17                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 17-Mar-21     | 7064.01                           |                    | 30.71               |                     | 7033.30                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 17-Jun-21     | 7064.01                           |                    | 30.99               |                     | 7033.02                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 29-Sep-21     | 7064.01                           |                    | 31.38               |                     | 7032.63                         |                         | 12.9       | 2.847                  | 0.57                    | 7.18 | 217.6    |
| MW-3    | 14-Dec-21     | 7064.01                           |                    | 32.5                |                     | 7031.51                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 08-Mar-22     | 7064.01                           |                    | 30.60               |                     | 7033.41                         |                         | 12.2       | 3.209                  | 13.0                    | 7.0  | 34.6     |
| MW-3    | 09-Jun-22     | 7064.01                           |                    | 31.31               |                     | 7032.70                         |                         | 14.3       | 2.809                  | 1.37                    | 7.2  | 31.5     |
| MW-3    | 28-Sep-22     | 7064.01                           |                    | 29.58               |                     | 7034.43                         |                         | 14.30      | 2.805                  | 1.34                    | 7.06 | 77.5     |
| MW-3    | 21-Dec-22     | 7064.01                           |                    | 30.59               |                     | 7033.42                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 15-Mar-23     | 7064.01                           |                    | 28.84               |                     | 7035.17                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 21-Jun-23     | 7064.01                           |                    | 29.96               |                     | 7034.05                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 13-Sep-23     | 7064.01                           |                    | 30.48               |                     | 7033.53                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-3    | 13-Dec-23     | 7064.01                           |                    | 30.89               |                     | 7033.12                         |                         | NM         | NM                     | NM                      | NM   | NM       |
|         |               |                                   |                    |                     |                     |                                 |                         |            |                        |                         |      |          |
| MW-4    | 05-Mar-09     | 7063.72                           |                    | 27.39               |                     | 7036.33                         |                         | 12.36      | 4.760                  | 1.72                    | 6.58 | -29.2    |
| MW-4    | 06-Apr-09     | 7063.72                           |                    | 27.58               |                     | 7036.14                         |                         | 11.87      | 4.599                  | 2.06                    | 6.75 | 18.0     |
| MW-4    | 10-Sep-09     | 7063.72                           |                    | 28.12               |                     | 7035.60                         |                         | 13.09      | 6.337                  | 0.81                    | 6.98 | 54.6     |
| MW-4    | 15-Jan-10     | 7063.72                           |                    | 28.34               |                     | 7035.38                         |                         | 11.65      | 3.812                  | 2.78                    | 7.20 | -125.1   |
| MW-4    | 15-Oct-10     | 7063.72                           |                    | 28.64               |                     | 7035.08                         |                         | 12.52      | 4.491                  | 1.42                    | 7.13 | 42.8     |
| MW-4    | 21-Jan-11     | 7063.72                           |                    | 28.72               |                     | 7035.00                         |                         | 11.90      | 4.748                  | 1.14                    | 7.19 | 5.4      |
| MW-4    | 12-May-11     | 7063.72                           |                    | 28.39               |                     | 7035.33                         |                         | 13.11      | 4.576                  | 2.58                    | 7.29 | -25.8    |
| MW-4    | 12-Aug-11     | 7063.72                           |                    | 29.10               |                     | 7034.62                         |                         | 13.89      | 4.759                  | 3.98                    | 6.85 | 74.9     |
| MW-4    | 16-Nov-11     | 7063.72                           |                    | 29.26               |                     | 7034.46                         |                         | 11.66      | 4.725                  | 2.15                    | 7.11 | 153.0    |
| MW-4    | 21-Feb-12     | 7063.72                           |                    | 29.22               |                     | 7034.50                         |                         | 10.27      | 4.927                  | 1.02                    | 7.02 | -11.3    |
| MW-4    | 24-May-12     | 7063.72                           |                    | 29.23               |                     | 7034.49                         |                         | 13.75      | 4.687                  | 1.04                    | 6.98 | 39.3     |
| MW-4    | 10-Sep-12     | 7063.72                           |                    | 29.58               |                     | 7034.14                         |                         | NM         | NM                     | NM                      | NM   | NM       |



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BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID | Date Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (° C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|-------------|------------------------|-------------------------|------|----------|
| MW-4    | 04-Dec-12     | 7063.72                           |                    | 29.77               |                     | 7033.95                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 26-Mar-13     | 7063.72                           |                    | 29.33               |                     | 7034.39                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 27-Jun-13     | 7063.72                           |                    | 29.85               |                     | 7033.87                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 25-Sep-13     | 7063.72                           |                    | 28.96               |                     | 7034.76                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 14-Jan-14     | 7063.72                           |                    | 29.54               |                     | 7034.18                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 04-Apr-14     | 7063.72                           |                    | 29.54               |                     | 7034.18                         |                         | 12.16       | 0.435                  | 2.86                    | 6.90 | 89.4     |
| MW-4    | 10-Sep-14     | 7063.72                           |                    | 29.60               |                     | 7034.12                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 03-Dec-14     | 7063.72                           |                    | 29.97               |                     | 7033.75                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 27-Mar-15     | 7063.72                           |                    | 28.89               |                     | 7034.83                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 08-Dec-15     | 7063.72                           |                    | 29.58               |                     | 7034.14                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 02-Jun-16     | 7063.72                           |                    | 29.28               |                     | 7034.44                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 20-Oct-16     | 7063.72                           |                    | 29.71               |                     | 7034.01                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 26-Jan-17     | 7063.72                           |                    | 29.28               |                     | 7034.44                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 14-Apr-17     | 7063.72                           |                    | 28.92               |                     | 7034.80                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 14-Aug-17     | 7063.72                           |                    | 29.69               |                     | 7034.03                         |                         | 13.07       | 4.219                  | 1.98                    | 7.17 | 109.7    |
| MW-4    | 26-Mar-19     | 7063.72                           |                    | 28.99               |                     | 7034.73                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 25-Sep-19     | 7063.72                           |                    | 30.35               |                     | 7033.37                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 25-Mar-20     | 7063.72                           |                    | 29.78               |                     | 7033.94                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 23-Jun-20     | 7063.72                           |                    | 30.39               |                     | 7033.33                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 23-Sep-20     | 7063.72                           |                    | 30.88               |                     | 7032.84                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 23-Nov-20     | 7063.72                           |                    | 30.95               |                     | 7032.77                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 17-Mar-21     | 7063.72                           |                    | 30.88               |                     | 7032.84                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 17-Jun-21     | 7063.72                           |                    | 31.10               |                     | 7032.62                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 29-Sep-21     | 7063.72                           |                    | 31.47               |                     | 7032.25                         |                         | 13.2        | 3.137                  | 1.30                    | 7.13 | 191.7    |
| MW-4    | 14-Dec-21     | 7063.72                           |                    | 32.5                |                     | 7031.22                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 08-Mar-22     | 7063.72                           |                    | 30.86               |                     | 7032.86                         |                         | 12.3        | 3.635                  | 9.0                     | 7.0  | 102.8    |
| MW-4    | 09-Jun-22     | 7063.72                           |                    | 31.44               |                     | 7032.28                         |                         | 13.5        | 3.067                  | 2.6                     | 7.29 | 108.8    |

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BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID | Date Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (° C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|-------------|------------------------|-------------------------|------|----------|
| MW-4    | 28-Sep-22     | 7063.72                           |                    | 30.02               |                     | 7033.70                         |                         | 14.6        | 3.008                  | 1.32                    | 7.1  | 118.6    |
| MW-4    | 21-Dec-22     | 7063.72                           |                    | 30.74               |                     | 7032.98                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 15-Mar-23     | 7063.72                           |                    | 29.36               |                     | 7034.36                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 21-Jun-23     | 7063.72                           |                    | 30.18               |                     | 7033.54                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 13-Sep-23     | 7063.72                           |                    | 31.91               |                     | 7031.81                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-4    | 13-Dec-23     | 7063.72                           |                    | 30.04               |                     | 7033.68                         |                         | NM          | NM                     | NM                      | NM   | NM       |
|         |               |                                   |                    |                     |                     |                                 |                         |             |                        |                         |      |          |
| MW-5    | 05-Mar-09     | 7064.79                           |                    | 28.24               |                     | 7036.55                         |                         | 11.80       | 6.088                  | 3.89                    | 6.61 | -17.3    |
| MW-5    | 10-Sep-09     | 7064.79                           |                    | 28.87               |                     | 7035.92                         |                         | 12.78       | 7.785                  | 1.22                    | 7.09 | 60.5     |
| MW-5    | 15-Jan-10     | 7064.79                           |                    | 29.10               |                     | 7035.69                         |                         | 11.19       | 4.288                  | 1.93                    | 7.27 | -85.8    |
| MW-5    | 14-Oct-10     | 7064.79                           |                    | 29.38               |                     | 7035.41                         |                         | 12.34       | 4.725                  | 1.24                    | 7.23 | 98.1     |
| MW-5    | 21-Jan-11     | 7064.79                           |                    | 29.47               |                     | 7035.32                         |                         | 11.93       | 5.038                  | 2.71                    | 7.31 | 103.9    |
| MW-5    | 12-May-11     | 7064.79                           |                    | 29.17               |                     | 7035.62                         |                         | 12.40       | 4.957                  | 2.44                    | 7.42 | -44.4    |
| MW-5    | 12-Aug-11     | 7064.79                           |                    | 29.84               |                     | 7034.95                         |                         | 13.73       | 4.968                  | 3.87                    | 6.83 | 189.8    |
| MW-5    | 16-Nov-11     | 7064.79                           |                    | 30.00               |                     | 7034.79                         |                         | 11.16       | 4.814                  | 4.47                    | 7.18 | 290.4    |
| MW-5    | 21-Feb-12     | 7064.79                           |                    | 29.96               |                     | 7034.83                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 25-May-12     | 7064.79                           |                    | 29.96               |                     | 7034.83                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 10-Sep-12     | 7064.79                           |                    | 30.31               |                     | 7034.48                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 04-Dec-12     | 7064.79                           |                    | 30.52               |                     | 7034.27                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 26-Mar-13     | 7064.79                           |                    | 30.14               |                     | 7034.65                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 27-Jun-13     | 7064.79                           |                    | 30.60               |                     | 7034.19                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 25-Sep-13     | 7064.79                           |                    | 29.87               |                     | 7034.92                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 14-Jan-14     | 7064.79                           |                    | 30.31               |                     | 7034.48                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 04-Apr-14     | 7064.79                           |                    | 30.30               |                     | 7034.49                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 10-Sep-14     | 7064.79                           |                    | 30.37               |                     | 7034.42                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 03-Dec-14     | 7064.79                           |                    | 30.70               |                     | 7034.09                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-5    | 27-Mar-15     | 7064.79                           |                    | 29.72               |                     | 7035.07                         |                         | NM          | NM                     | NM                      | NM   | NM       |

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BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID | Date Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft) | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (° C)                        | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|---------------------|---------------------|---------------------------------|-------------------------|------------------------------------|------------------------|-------------------------|------|----------|
| MW-5    | 08-Dec-15     | 7064.79                           |                    | 30.36               |                     | 7034.43                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 02-Jun-16     | 7064.79                           |                    | 30.03               |                     | 7034.76                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 20-Oct-16     | 7064.79                           |                    | 30.47               |                     | 7034.32                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 26-Jan-17     | 7064.79                           |                    | 30.10               |                     | 7034.69                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 14-Aug-17     | 7064.79                           |                    | 30.45               |                     | 7034.34                         |                         | Unable to sample - well obstructed |                        |                         |      |          |
| MW-5    | 26-Mar-19     | 7064.79                           |                    | 29.89               |                     | 7034.90                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 25-Sep-19     | 7064.79                           |                    | 31.06               |                     | 7033.73                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 25-Mar-20     | 7064.79                           |                    | 30.56               |                     | 7034.23                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 23-Jun-20     | 7064.79                           |                    | 31.09               |                     | 7033.70                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 23-Sep-20     | 7064.79                           |                    | 31.58               |                     | 7033.21                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 23-Nov-20     | 7064.79                           |                    | 31.66               |                     | 7033.13                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 17-Mar-21     | 7064.79                           |                    | 31.60               |                     | 7033.19                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 17-Jun-21     | 7064.79                           |                    | 31.81               |                     | 7032.98                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 29-Sep-21     | 7064.79                           |                    | 32.17               |                     | 7032.62                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 14-Dec-21     | 7064.79                           |                    | NM                  |                     | --                              |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 08-Mar-22     | 7064.79                           |                    | 31.67               |                     | 7033.12                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 09-Jun-22     | 7064.79                           |                    | 32.16               |                     | 7032.63                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 28-Sep-22     | 7064.79                           |                    | 30.99               |                     | 7033.80                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 21-Dec-22     | 7064.79                           |                    | 31.51               |                     | 7033.28                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 15-Mar-23     | 7064.79                           |                    | 30.39               |                     | 7034.40                         |                         | NM - Well Casing Damaged           |                        |                         |      |          |
| MW-5    | 21-Jun-23     | 7064.79                           |                    | 30.91               |                     | 7033.88                         |                         | 13.4                               | 4.411                  | 3.9                     | 7.2  | 22.8     |
| MW-5    | 13-Sep-23     | 7064.79                           |                    | 31.01               |                     | 7033.78                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
| MW-5    | 13-Dec-23     | 7064.79                           |                    | 31.78               |                     | 7033.01                         |                         | NM                                 | NM                     | NM                      | NM   | NM       |
|         |               |                                   |                    |                     |                     |                                 |                         |                                    |                        |                         |      |          |
| MW-6    | 05-Mar-09     | 7049.54                           |                    | 12.67               |                     | 7036.87                         |                         | 9.21                               | 4.967                  | 4.30                    | 6.53 | 4.6      |
| MW-6    | 10-Sep-09     | 7049.54                           |                    | 13.90               |                     | 7035.64                         |                         | 11.85                              | 6.287                  | 1.15                    | 7.12 | 75.9     |
| MW-6    | 15-Jan-10     | 7049.54                           |                    | 14.02               |                     | 7035.52                         |                         | 10.81                              | 3.789                  | 2.46                    | 7.35 | -66.7    |

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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft)   | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C)       | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|-----------------------|---------------------|---------------------------------|-------------------------|------------------|------------------------|-------------------------|------|----------|
| MW-6    | 15-Oct-10     | 7049.54                           |                    | 14.39                 |                     | 7035.15                         |                         | 12.45            | 4.353                  | 1.40                    | 7.24 | 20.7     |
| MW-6    | 21-Jan-11     | 7049.54                           |                    | 14.42                 |                     | 7035.12                         |                         | 11.59            | 4.516                  | 3.10                    | 7.32 | -37.3    |
| MW-6    | 12-May-11     | 7049.54                           |                    | 14.00                 |                     | 7035.54                         |                         | 10.69            | 4.349                  | 1.89                    | 7.47 | -24.9    |
| MW-6    | 12-Aug-11     | 7049.54                           |                    | 14.93                 |                     | 7034.61                         |                         | 11.99            | 4.492                  | 4.24                    | 7.56 | 0.2      |
| MW-6    | 16-Nov-11     | 7049.54                           |                    | 14.99                 |                     | 7034.55                         |                         | 12.01            | 4.398                  | 2.74                    | 6.46 | 182.1    |
| MW-6    | 21-Feb-12     | 7049.54                           |                    | 14.90                 |                     | 7034.64                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 25-May-12     | 7049.54                           |                    | 14.92                 |                     | 7034.62                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 10-Sep-12     | 7049.54                           |                    | NM                    |                     | NM                              |                         | NM - Well is Dry |                        |                         |      |          |
| MW-6    | 04-Dec-12     | 7049.54                           |                    | 15.48                 |                     | 7034.06                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 26-Mar-13     | 7049.54                           |                    | 14.79                 |                     | 7034.75                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 27-Jun-13     | 7049.54                           |                    | 15.60                 |                     | 7033.94                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 25-Sep-13     | 7049.54                           |                    | 14.92                 |                     | 7034.62                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 14-Jan-14     | 7049.54                           |                    | 15.17                 |                     | 7034.37                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 04-Apr-14     | 7049.54                           |                    | 15.20                 |                     | 7034.34                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 10-Sep-14     | 7049.54                           |                    | 15.06                 |                     | 7034.48                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 03-Dec-14     | 7049.54                           |                    | 15.66                 |                     | 7033.88                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 27-Mar-15     | 7049.54                           |                    | 14.09                 |                     | 7035.45                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 08-Dec-15     | 7049.54                           |                    | 15.21                 |                     | 7034.33                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 02-Jun-16     | 7049.54                           |                    | 14.92                 |                     | 7034.62                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 20-Oct-16     | 7049.54                           |                    | 15.41                 |                     | 7034.13                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 26-Jan-17     | 7049.54                           |                    | 14.69                 |                     | 7034.85                         |                         | NM               | NM                     | NM                      | NM   | NM       |
| MW-6    | 07-Aug-17     | 7064.10                           |                    | Plugged and Abandoned |                     |                                 |                         |                  |                        |                         |      |          |
|         |               |                                   |                    |                       |                     |                                 |                         |                  |                        |                         |      |          |
| MW-7    | 06-Mar-09     | 7062.80                           |                    | 26.34                 |                     | 7036.46                         |                         | 11.40            | 4.951                  | 2.17                    | 6.50 | -3.3     |
| MW-7    | 10-Sep-09     | 7062.80                           |                    | 27.23                 |                     | 7035.57                         |                         | 12.61            | 6.288                  | 1.03                    | 7.05 | 51.0     |
| MW-7    | 15-Jan-10     | 7062.80                           |                    | 27.44                 |                     | 7035.36                         |                         | 11.02            | 3.820                  | 2.92                    | 7.27 | -66.3    |
| MW-7    | 14-Oct-10     | 7062.80                           |                    | 27.76                 |                     | 7035.04                         |                         | 12.79            | 4.047                  | 1.24                    | 7.19 | 68.6     |

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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft)   | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|-----------------------|---------------------|---------------------------------|-------------------------|------------|------------------------|-------------------------|------|----------|
| MW-7    | 21-Jan-11     | 7062.80                           |                    | 27.82                 |                     | 7034.98                         |                         | 10.79      | 4.205                  | 2.22                    | 7.37 | 42.0     |
| MW-7    | 12-May-11     | 7062.80                           |                    | 27.46                 |                     | 7035.34                         |                         | 12.80      | 4.118                  | 1.73                    | 7.38 | -70.4    |
| MW-7    | 12-Aug-11     | 7062.80                           |                    | 28.24                 |                     | 7034.56                         |                         | 13.88      | 4.119                  | 2.90                    | 7.30 | 112.8    |
| MW-7    | 16-Nov-11     | 7062.80                           |                    | 28.38                 |                     | 7034.42                         |                         | 11.24      | 4.077                  | 2.75                    | 6.32 | 168.0    |
| MW-7    | 21-Feb-12     | 7062.80                           |                    | 28.31                 |                     | 7034.49                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 24-May-12     | 7062.80                           |                    | 28.34                 |                     | 7034.46                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 10-Sep-12     | 7062.80                           |                    | 28.69                 |                     | 7034.11                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 04-Dec-12     | 7062.80                           |                    | 28.86                 |                     | 7033.94                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 26-Mar-13     | 7062.80                           |                    | 28.33                 |                     | 7034.47                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 27-Jun-13     | 7062.80                           |                    | 28.97                 |                     | 7033.83                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 25-Sep-13     | 7062.80                           |                    | 27.78                 |                     | 7035.02                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 14-Jan-14     | 7062.80                           |                    | 28.61                 |                     | 7034.19                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 04-Apr-14     | 7062.80                           |                    | 28.62                 |                     | 7034.18                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 10-Sep-14     | 7062.80                           |                    | 28.58                 |                     | 7034.22                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 03-Dec-14     | 7062.80                           |                    | 29.02                 |                     | 7033.78                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 27-Mar-15     | 7062.80                           |                    | 27.76                 |                     | 7035.04                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 08-Dec-15     | 7062.80                           |                    | 28.62                 |                     | 7034.18                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 02-Jun-16     | 7062.80                           |                    | 28.34                 |                     | 7034.46                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 20-Oct-16     | 7062.80                           |                    | 28.79                 |                     | 7034.01                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 26-Jan-17     | 7062.80                           |                    | 28.24                 |                     | 7034.56                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-7    | 07-Aug-17     | 7064.10                           |                    | Plugged and Abandoned |                     |                                 |                         |            |                        |                         |      |          |
|         |               |                                   |                    |                       |                     |                                 |                         |            |                        |                         |      |          |
| MW-8    | 06-Mar-09     | 7063.27                           |                    | 27.49                 |                     | 7035.78                         |                         | 11.91      | 4.731                  | 2.14                    | 6.40 | -4.4     |
| MW-8    | 10-Sep-09     | 7063.27                           |                    | 28.14                 |                     | 7035.13                         |                         | 13.53      | 5.987                  | 1.12                    | 8.51 | -93.2    |
| MW-8    | 15-Jan-10     | 7063.27                           |                    | 28.39                 |                     | 7034.88                         |                         | 11.43      | 2.891                  | 1.86                    | 6.68 | -162.2   |
| MW-8    | 15-Oct-10     | 7063.27                           |                    | 28.70                 |                     | 7034.57                         |                         | 12.80      | 4.017                  | 1.21                    | 7.04 | -39.1    |
| MW-8    | 21-Jan-11     | 7063.27                           |                    | 28.80                 |                     | 7034.47                         |                         | 12.30      | 4.002                  | 1.55                    | 7.08 | -91.2    |

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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft)   | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|-----------------------|---------------------|---------------------------------|-------------------------|------------|------------------------|-------------------------|------|----------|
| MW-8    | 12-May-11     | 7063.27                           |                    | 28.52                 |                     | 7034.75                         |                         | 13.16      | 3.966                  | 1.60                    | 7.16 | -121.2   |
| MW-8    | 12-Aug-11     | 7063.27                           |                    | 29.19                 |                     | 7034.08                         |                         | 13.85      | 4.194                  | 3.45                    | 6.97 | -148.3   |
| MW-8    | 16-Nov-11     | 7063.27                           |                    | 29.35                 |                     | 7033.92                         |                         | 11.49      | 4.218                  | 2.57                    | 6.49 | -115.4   |
| MW-8    | 21-Feb-12     | 7063.27                           |                    | 29.31                 |                     | 7033.96                         |                         | 12.21      | 4.500                  | 0.88                    | 6.96 | -116.0   |
| MW-8    | 24-May-12     | 7063.27                           |                    | 29.34                 |                     | 7033.93                         |                         | 13.43      | 4.402                  | 0.65                    | 6.93 | -41.2    |
| MW-8    | 10-Sep-12     | 7063.27                           |                    | 29.68                 |                     | 7033.59                         |                         | 12.98      | 4.499                  | 1.34                    | 7.12 | -27.3    |
| MW-8    | 04-Dec-12     | 7063.27                           |                    | 29.87                 |                     | 7033.40                         |                         | 12.53      | 3.045                  | 3.78                    | 7.13 | -3.1     |
| MW-8    | 26-Mar-13     | 7063.27                           |                    | 29.47                 |                     | 7033.80                         |                         | 12.65      | 4.449                  | 4.10                    | 6.95 | 22.0     |
| MW-8    | 27-Jun-13     | 7063.27                           |                    | 29.97                 |                     | 7033.30                         |                         | 14.39      | 6.908                  | 8.14                    | 7.01 | -43.6    |
| MW-8    | 25-Sep-13     | 7063.27                           |                    | 29.14                 |                     | 7034.13                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 14-Jan-14     | 7063.27                           |                    | 29.65                 |                     | 7033.62                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 04-Apr-14     | 7063.27                           |                    | 29.64                 |                     | 7033.63                         |                         | 13.14      | 0.424                  | 1.70                    | 6.80 | -14.9    |
| MW-8    | 04-Apr-14     | 7063.27                           |                    | 29.68                 |                     | 7033.59                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 03-Dec-14     | 7063.27                           |                    | 30.00                 |                     | 7033.27                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 27-Mar-15     | 7063.27                           |                    | 29.02                 |                     | 7034.25                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 08-Dec-15     | 7063.27                           |                    | 29.59                 |                     | 7033.68                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 02-Jun-16     | 7063.27                           |                    | 29.31                 |                     | 7033.96                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 20-Oct-16     | 7063.27                           |                    | 29.72                 |                     | 7033.55                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 26-Jan-17     | 7063.27                           |                    | 29.33                 |                     | 7033.94                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-8    | 07-Aug-17     | 7064.10                           |                    | Plugged and Abandoned |                     |                                 |                         |            |                        |                         |      |          |
|         |               |                                   |                    |                       |                     |                                 |                         |            |                        |                         |      |          |
| MW-9    | 06-Mar-09     | 7062.60                           |                    | 27.60                 |                     | 7035.00                         |                         | 9.47       | 5.418                  | 5.12                    | 6.39 | -1.8     |
| MW-9    | 06-Apr-09     | 7062.60                           |                    | 27.74                 |                     | 7034.86                         |                         | 11.86      | 5.174                  | 2.24                    | 6.72 | 25.2     |
| MW-9    | 10-Sep-09     | 7062.60                           |                    | 28.19                 |                     | 7034.41                         |                         | 13.10      | 7.257                  | 0.86                    | 7.03 | -129.8   |
| MW-9    | 15-Jan-10     | 7062.60                           |                    | 28.42                 |                     | 7034.18                         |                         | 10.89      | 3.960                  | 2.29                    | 7.13 | -187.4   |
| MW-9    | 15-Oct-10     | 7062.60                           |                    | 28.74                 |                     | 7033.86                         |                         | 12.85      | 4.561                  | 1.89                    | 7.17 | -74.4    |
| MW-9    | 21-Jan-11     | 7062.60                           |                    | 28.85                 |                     | 7033.75                         |                         | 12.67      | 4.452                  | 1.34                    | 7.16 | -90.8    |
| MW-9    | 12-May-11     | 7062.60                           |                    | 28.61                 |                     | 7033.99                         |                         | 13.12      | 4.120                  | 2.31                    | 7.28 | -94.1    |



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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft)   | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (°C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|-----------------------|---------------------|---------------------------------|-------------------------|------------|------------------------|-------------------------|------|----------|
| MW-9    | 12-Aug-11     | 7062.60                           |                    | 29.22                 |                     | 7033.38                         |                         | 12.92      | 4.492                  | 5.42                    | 7.33 | -132.7   |
| MW-9    | 16-Nov-11     | 7062.60                           |                    | 29.41                 |                     | 7033.19                         |                         | 11.80      | 4.402                  | 2.67                    | 5.56 | -75.1    |
| MW-9    | 21-Feb-12     | 7062.60                           |                    | 29.39                 |                     | 7033.21                         |                         | 11.89      | 4.241                  | 1.37                    | 6.95 | -127.0   |
| MW-9    | 24-May-12     | 7062.60                           |                    | 29.39                 |                     | 7033.21                         |                         | 13.68      | 4.470                  | 0.80                    | 7.08 | -56.4    |
| MW-9    | 10-Sep-12     | 7062.60                           |                    | 29.73                 |                     | 7032.87                         |                         | 13.41      | 4.439                  | 1.41                    | 7.13 | -52.2    |
| MW-9    | 04-Dec-12     | 7062.60                           |                    | 29.90                 |                     | 7032.70                         |                         | 12.87      | 4.374                  | 1.34                    | 7.19 | -60.5    |
| MW-9    | 26-Mar-13     | 7062.60                           |                    | 29.56                 |                     | 7033.04                         |                         | 12.57      | 4.396                  | 1.24                    | 6.72 | -15.8    |
| MW-9    | 27-Jun-13     | 7062.60                           |                    | 30.00                 |                     | 7032.60                         |                         | 20.04      | 6.761                  | 2.38                    | 7.10 | -48.5    |
| MW-9    | 25-Sep-13     | 7062.60                           |                    | 29.28                 |                     | 7033.32                         |                         | 13.08      | 8.437                  | 2.44                    | 7.19 | -84.6    |
| MW-9    | 14-Jan-14     | 7062.60                           |                    | 29.68                 |                     | 7032.92                         |                         | 12.61      | 5.160                  | 1.11                    | NM   | -54.8    |
| MW-9    | 04-Apr-14     | 7062.60                           |                    | 29.69                 |                     | 7032.91                         |                         | 12.89      | 0.407                  | 2.81                    | 6.89 | -48.2    |
| MW-9    | 10-Sep-14     | 7062.60                           |                    | 29.72                 |                     | 7032.88                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 03-Dec-14     | 7062.60                           |                    | 30.00                 |                     | 7032.60                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 27-Mar-15     | 7062.60                           |                    | 29.12                 |                     | 7033.48                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 08-Dec-15     | 7062.60                           |                    | 29.55                 |                     | 7033.05                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 02-Jun-16     | 7062.60                           |                    | 29.29                 |                     | 7033.31                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 20-Oct-16     | 7062.60                           |                    | 29.69                 |                     | 7032.91                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 26-Jan-17     | 7062.60                           |                    | 29.32                 |                     | 7033.28                         |                         | NM         | NM                     | NM                      | NM   | NM       |
| MW-9    | 07-Aug-17     | 7064.10                           |                    | Plugged and Abandoned |                     |                                 |                         |            |                        |                         |      |          |
|         |               |                                   |                    |                       |                     |                                 |                         |            |                        |                         |      |          |
| MW-10   | 09-Mar-09     | 7063.27                           |                    | 26.25                 |                     | 7037.02                         |                         | 10.51      | 4.572                  | 3.44                    | 6.62 | 15.6     |
| MW-10   | 10-Sep-09     | 7063.27                           |                    | 27.10                 |                     | 7036.17                         |                         | 12.62      | 5.133                  | 1.83                    | 6.97 | 80.7     |
| MW-10   | 15-Jan-10     | 7063.27                           |                    | 27.29                 |                     | 7035.98                         |                         | 10.82      | 3.210                  | 2.47                    | 7.10 | -99.3    |
| MW-10   | 14-Oct-10     | 7063.27                           |                    | 27.61                 |                     | 7035.66                         |                         | 11.98      | 3.811                  | 1.80                    | 7.22 | 119.2    |
| MW-10   | 21-Jan-11     | 7063.27                           |                    | 27.66                 |                     | 7035.61                         |                         | 10.73      | 3.946                  | 1.78                    | 7.45 | 90.1     |
| MW-10   | 12-May-11     | 7063.27                           |                    | 27.28                 |                     | 7035.99                         |                         | 12.26      | 3.839                  | 1.34                    | 7.26 | 84.9     |
| MW-10   | 12-Aug-11     | 7063.27                           |                    | 28.08                 |                     | 7035.19                         |                         | 12.84      | 3.948                  | 4.99                    | 6.62 | 175.8    |

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BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID | Date Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft)   | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (° C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH   | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|-----------------------|---------------------|---------------------------------|-------------------------|-------------|------------------------|-------------------------|------|----------|
| MW-10   | 16-Nov-11     | 7063.27                           |                    | 28.20                 |                     | 7035.07                         |                         | 10.81       | 3.912                  | 2.81                    | 6.17 | 190.7    |
| MW-10   | 21-Feb-12     | 7063.27                           |                    | 28.13                 |                     | 7035.14                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 24-May-12     | 7063.27                           |                    | 28.15                 |                     | 7035.12                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 10-Sep-12     | 7063.27                           |                    | 28.54                 |                     | 7034.73                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 04-Dec-12     | 7063.27                           |                    | 28.72                 |                     | 7034.55                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 26-Mar-13     | 7063.27                           |                    | 28.20                 |                     | 7035.07                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 27-Jun-13     | 7063.27                           |                    | 28.79                 |                     | 7034.48                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 25-Sep-13     | 7063.27                           |                    | 27.80                 |                     | 7035.47                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 14-Jan-14     | 7063.27                           |                    | 28.44                 |                     | 7034.83                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 04-Apr-14     | 7063.27                           |                    | 28.46                 |                     | 7034.81                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 10-Sep-14     | 7063.27                           |                    | 28.48                 |                     | 7034.79                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 03-Dec-14     | 7063.27                           |                    | 28.92                 |                     | 7034.35                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 27-Mar-15     | 7063.27                           |                    | 27.70                 |                     | 7035.57                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 08-Dec-15     | 7063.27                           |                    | 28.56                 |                     | 7034.71                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 02-Jun-16     | 7063.27                           |                    | 28.22                 |                     | 7035.05                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 20-Oct-16     | 7063.27                           |                    | 28.70                 |                     | 7034.57                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 26-Jan-17     | 7063.27                           |                    | 28.19                 |                     | 7035.08                         |                         | NM          | NM                     | NM                      | NM   | NM       |
| MW-10   | 07-Aug-17     | 7064.10                           |                    | Plugged and Abandoned |                     |                                 |                         |             |                        |                         |      |          |
|         |               |                                   |                    |                       |                     |                                 |                         |             |                        |                         |      |          |
| MW-11   | 09-Mar-09     | 7064.10                           |                    | 28.33                 |                     | 7035.77                         |                         | 11.47       | 5.730                  | 3.52                    | 6.63 | 17.1     |
| MW-11   | 10-Sep-09     | 7064.10                           |                    | 28.88                 |                     | 7035.22                         |                         | 13.32       | 7.785                  | 0.67                    | 7.02 | 61.2     |
| MW-11   | 15-Jan-10     | 7064.10                           |                    | 29.13                 |                     | 7034.97                         |                         | 10.20       | 3.995                  | 1.86                    | 7.16 | -59.2    |
| MW-11   | 14-Oct-10     | 7064.10                           |                    | 29.44                 |                     | 7034.66                         |                         | 13.00       | 4.901                  | 1.93                    | 7.20 | 94.5     |
| MW-11   | 21-Jan-11     | 7064.10                           |                    | 29.53                 |                     | 7034.57                         |                         | 11.55       | 4.937                  | 1.75                    | 7.37 | 216.0    |
| MW-11   | 12-May-11     | 7064.10                           |                    | 29.25                 |                     | 7034.85                         |                         | 12.97       | 4.701                  | 2.71                    | 7.41 | -16.0    |
| MW-11   | 12-Aug-11     | 7064.10                           |                    | 29.89                 |                     | 7034.21                         |                         | 12.89       | 4.872                  | 3.24                    | 7.39 | 122.2    |
| MW-11   | 16-Nov-11     | 7064.10                           |                    | 30.07                 |                     | 7034.03                         |                         | 11.49       | 4.762                  | 3.61                    | 7.00 | 307.9    |

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 Measured | Top of Casing Elevation (ft amsl) | Depth to NAPL (ft) | Depth to Water (ft)   | NAPL Thickness (ft) | Water Level Elevation (ft amsl) | Corrected GW Elev. (ft) | Temp. (° C) | Specific Conduct. (mS) | Dissolved Oxygen (mg/L) | pH | ORP (mV) |
|---------|---------------|-----------------------------------|--------------------|-----------------------|---------------------|---------------------------------|-------------------------|-------------|------------------------|-------------------------|----|----------|
| MW-11   | 21-Feb-12     | 7064.10                           |                    | 30.04                 |                     | 7034.06                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 24-May-12     | 7064.10                           |                    | 30.06                 |                     | 7034.04                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 10-Sep-12     | 7064.10                           |                    | 30.38                 |                     | 7033.72                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 04-Dec-12     | 7064.10                           |                    | 30.58                 |                     | 7033.52                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 26-Mar-13     | 7064.10                           |                    | 30.23                 |                     | 7033.87                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 27-Jun-13     | 7064.10                           |                    | 30.66                 |                     | 7033.44                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 25-Sep-13     | 7064.10                           |                    | 30.00                 |                     | 7034.10                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 14-Jan-14     | 7064.10                           |                    | 30.39                 |                     | 7033.71                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 04-Apr-14     | 7064.10                           |                    | 30.36                 |                     | 7033.74                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 10-Sep-14     | 7064.10                           |                    | 30.42                 |                     | 7033.68                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 03-Dec-14     | 7064.10                           |                    | 30.73                 |                     | 7033.37                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 27-Mar-15     | 7064.10                           |                    | 29.83                 |                     | 7034.27                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 08-Dec-15     | 7064.10                           |                    | 30.34                 |                     | 7033.76                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 02-Jun-16     | 7064.10                           |                    | 30.04                 |                     | 7034.06                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 20-Oct-16     | 7064.10                           |                    | 30.45                 |                     | 7033.65                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 26-Jan-17     | 7064.10                           |                    | 30.10                 |                     | 7034.00                         |                         | NM          | NM                     | NM                      | NM | NM       |
| MW-11   | 07-Aug-17     | 7064.10                           |                    | Plugged and Abandoned |                     |                                 |                         |             |                        |                         |    |          |

NOTES: NA NOT AVAILABLE  
NM NOT MEASURED

TABLE 2  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS -  
VOLATILE ORGANICS AND PETROLEUM HYDROCARBONS  
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID                  | Date Sampled                                                | Benzene            | Toluene            | Ethyl-benzene      | Total Xylenes      | TPH-GRO      | TPH-DRO      | TPH-MRO      |
|--------------------------|-------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------|--------------|--------------|
|                          |                                                             | (µg/L)             | (µg/L)             | (µg/L)             | (µg/L)             | (mg/L)       | (mg/L)       | (mg/L)       |
| <b>Analytical Method</b> |                                                             | <b>8021B/8260B</b> | <b>8021B/8260B</b> | <b>8021B/8260B</b> | <b>8021B/8260B</b> | <b>8015B</b> | <b>8015B</b> | <b>8015B</b> |
| <b>New Mexico WQCC</b>   |                                                             | <b>5</b>           | <b>1,000</b>       | <b>700</b>         | <b>620</b>         | <b>NE</b>    | <b>NE</b>    | <b>NE</b>    |
|                          |                                                             |                    |                    |                    |                    |              |              |              |
| 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                     | NS - Residual NAPL Present April 2014 through December 2018 |                    |                    |                    |                    |              |              |              |
| MW-1                     | 26-Mar-19                                                   | 340                | 62                 | 35                 | 370                | 6.1          | 2.1          | <5.0         |
| MW-1                     | 25-Sep-19                                                   | 88                 | 9.8                | 7.7                | 86                 | 2.0          | 6.0          | <5.0         |
| MW-1                     | 25-Mar-20                                                   | 220                | 12                 | 16                 | 89                 | 2.3          | <1.0         | <5.0         |
| MW-1                     | 23-Jun-20                                                   | 760                | 17                 | 45                 | 280                | 7.7          | <1.0         | <5.0         |
| MW-1                     | 23-Sep-20                                                   | 9.7                | 1.6                | 3.2                | 36                 | 0.35         | 4.7          | <5.0         |
| MW-1                     | 23-Nov-20                                                   | 110                | 3.1                | 20                 | 130                | 3.6          | 1.0          | <5.0         |
| MW-1                     | 17-Mar-21                                                   | 160                | 3.1                | 15                 | 150                | 8.1          | 2.6          | <5.0         |
| MW-1                     | 17-Jun-21                                                   | 14                 | <2.0               | <2.0               | 11                 | 0.28         | <1.0         | <5.0         |
| MW-1                     | 29-Sep-21                                                   | 190                | <1.0               | 6.0                | 32                 | 1.8          | 1.1          | <5.0         |
| MW-1                     | 14-Dec-21                                                   | 54                 | <2.0               | 2.2                | 10                 | NA           | NA           | NA           |
| MW-1                     | 08-Mar-22                                                   | 180                | <1.0               | 6.5                | 32                 | NA           | NA           | NA           |
| MW-1                     | 09-Jun-22                                                   | 76                 | <1.0               | 4.4                | 3.0                | NA           | NA           | NA           |
| MW-1                     | 28-Sep-22                                                   | 160                | 4.3                | 6.6                | 39                 | NA           | NA           | NA           |
| MW-1                     | 21-Dec-22                                                   | 380                | <10                | 11                 | 20                 | 3.1          | NA           | NA           |
| MW-1                     | 15-Mar-23                                                   | 430                | 6.4                | <5.0               | 25                 | NA           | NA           | NA           |
| MW-1                     | 13-Sep-23                                                   | 250                | <10                | 11                 | 15                 | NA           | NA           | NA           |
| MW-1                     | 13-Dec-23                                                   | 300                | <5.0               | 13                 | 13                 | NA           | NA           | NA           |
|                          |                                                             |                    |                    |                    |                    |              |              |              |
| MW-2                     | 05-Mar-09                                                   | <1.0               | <1.0               | <1.0               | <2.0               | <0.050       | <1.0         | <5.0         |

TABLE 2  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS -  
VOLATILE ORGANICS AND PETROLEUM HYDROCARBONS  
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID                  | Date Sampled | Benzene                 | Toluene                 | Ethyl-benzene           | Total Xylenes           | TPH-GRO      | TPH-DRO      | TPH-MRO      |
|--------------------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------|--------------|--------------|
|                          |              | (µg/L)                  | (µg/L)                  | (µg/L)                  | (µg/L)                  | (mg/L)       | (mg/L)       | (mg/L)       |
| <b>Analytical Method</b> |              | <b>8021B/<br/>8260B</b> | <b>8021B/<br/>8260B</b> | <b>8021B/<br/>8260B</b> | <b>8021B/<br/>8260B</b> | <b>8015B</b> | <b>8015B</b> | <b>8015B</b> |
| <b>New Mexico WQCC</b>   |              | <b>5</b>                | <b>1,000</b>            | <b>700</b>              | <b>620</b>              | <b>NE</b>    | <b>NE</b>    | <b>NE</b>    |
| 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-2                     | 14-Aug-17    | <1.0                    | <1.0                    | <1.0                    | <1.5                    | NA           | NA           | NA           |
|                          |              |                         |                         |                         |                         |              |              |              |
| 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         |
| 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                    | 0.130        | <1.0         | <5.0         |
| MW-3                     | 02-Jun-16    | <1.0                    | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |
| MW-3                     | 26-Jan-17    | <1.0                    | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |
| MW-3                     | 21-Jun-17    | <1.0                    | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |
| MW-3                     | 14-Aug-17    | <1.0                    | <1.0                    | <1.0                    | <1.5                    | NA           | NA           | NA           |
|                          |              |                         |                         |                         |                         |              |              |              |
| 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         |

TABLE 2  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS -  
VOLATILE ORGANICS AND PETROLEUM HYDROCARBONS  
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID                  | Date Sampled | Benzene                            | Toluene                 | Ethyl-benzene           | Total Xylenes           | TPH-GRO      | TPH-DRO      | TPH-MRO      |
|--------------------------|--------------|------------------------------------|-------------------------|-------------------------|-------------------------|--------------|--------------|--------------|
|                          |              | (µg/L)                             | (µg/L)                  | (µg/L)                  | (µg/L)                  | (mg/L)       | (mg/L)       | (mg/L)       |
| <b>Analytical Method</b> |              | <b>8021B/<br/>8260B</b>            | <b>8021B/<br/>8260B</b> | <b>8021B/<br/>8260B</b> | <b>8021B/<br/>8260B</b> | <b>8015B</b> | <b>8015B</b> | <b>8015B</b> |
| <b>New Mexico WQCC</b>   |              | <b>5</b>                           | <b>1,000</b>            | <b>700</b>              | <b>620</b>              | <b>NE</b>    | <b>NE</b>    | <b>NE</b>    |
| 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-4                     | 14-Aug-17    | <1.0                               | <1.0                    | <1.0                    | <1.5                    | NA           | NA           | NA           |
|                          |              |                                    |                         |                         |                         |              |              |              |
| 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-5                     | 14-Aug-17    | Unable to Sample - Well Obstructed |                         |                         |                         |              |              |              |
|                          |              |                                    |                         |                         |                         |              |              |              |
| MW-6                     | 06-Mar-09    | <1.0                               | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |
| MW-6                     | 07-Aug-17    | Plugged and Abandoned              |                         |                         |                         |              |              |              |
|                          |              |                                    |                         |                         |                         |              |              |              |
| MW-7                     | 06-Mar-09    | <1.0                               | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |
| MW-7                     | 07-Aug-17    | Plugged and Abandoned              |                         |                         |                         |              |              |              |
|                          |              |                                    |                         |                         |                         |              |              |              |
| MW-8                     | 06-Mar-09    | 160                                | 170                     | 12                      | 350                     | 2.1          | 1.5          | <5.0         |
| MW-8                     | 07-Aug-17    | Plugged and Abandoned              |                         |                         |                         |              |              |              |
|                          |              |                                    |                         |                         |                         |              |              |              |
| MW-9                     | 06-Mar-09    | 170                                | 350                     | 49                      | 530                     | 2.5          | <1.0         | <5.0         |
| MW-9                     | 07-Aug-17    | Plugged and Abandoned              |                         |                         |                         |              |              |              |
|                          |              |                                    |                         |                         |                         |              |              |              |
| MW-10                    | 09-Mar-09    | <1.0                               | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |
| MW-10                    | 07-Aug-17    | Plugged and Abandoned              |                         |                         |                         |              |              |              |
|                          |              |                                    |                         |                         |                         |              |              |              |
| MW-11                    | 09-Mar-09    | <1.0                               | <1.0                    | <1.0                    | <2.0                    | <0.050       | <1.0         | <5.0         |

TABLE 2  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS -  
VOLATILE ORGANICS AND PETROLEUM HYDROCARBONS  
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID                       | Date Sampled | Benzene               | Toluene             | Ethyl-benzene       | Total Xylenes       | TPH-GRO           | TPH-DRO           | TPH-MRO           |
|-------------------------------|--------------|-----------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|
|                               |              | ( $\mu\text{g/L}$ )   | ( $\mu\text{g/L}$ ) | ( $\mu\text{g/L}$ ) | ( $\mu\text{g/L}$ ) | ( $\text{mg/L}$ ) | ( $\text{mg/L}$ ) | ( $\text{mg/L}$ ) |
| <b>Analytical Method</b>      |              | 8021B/<br>8260B       | 8021B/<br>8260B     | 8021B/<br>8260B     | 8021B/<br>8260B     | 8015B             | 8015B             | 8015B             |
| <b>New Mexico WQCC</b>        |              | 5                     | 1,000               | 700                 | 620                 | NE                | NE                | NE                |
| <b>MW-11</b>                  | 07-Aug-17    | Plugged and Abandoned |                     |                     |                     |                   |                   |                   |
|                               |              |                       |                     |                     |                     |                   |                   |                   |
| <b>Downgradient<br/>MW-7*</b> | 09-Mar-09    | <1.0                  | <1.0                | <1.0                | <2.0                | <0.050            | <1.0              | <5.0              |

**NOTES:** NA = Not Analyzed  
NE = Not Established  
TPH = Total Petroleum Hydrocarbons  
GRO = Gasoline Range Organics  
DRO = Diesel Range Organics  
MRO = Motor Oil Range Organics  
\* Monitoring Well from HWY 537 '06-'07 spill



TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - WQCC GROUNDWATER STANDARDS (NMAC 20.6.2.3103)  
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Radium<br>226/228               | 903.1<br>904.0    | 5.0              | pCi/L    |
|---------------------------------|-------------------|------------------|----------|
| pH                              | 4500-<br>H+B      | 6 to 9           | -        |
| Phenols                         | SW-846<br>9067    | 0.005            | NA       |
| Cyanide                         | 4500<br>CN        | 0.2              | NA       |
| Total Mercury                   | 245.1             | 0.002            | NA       |
| Zinc                            | 10.0              | NA               | NA       |
| Silver                          | 0.05              | NA               | NA       |
| Nickel                          | 0.2               | NA               | NA       |
| Molybdenum                      | 1.0               | NA               | NA       |
| Manganese                       | 0.2               | 0.34             | 0.68 (T) |
| Iron                            | 1.0               | 0.75             | 28 (T)   |
| Cobalt                          | 0.05              | NA               | 0.015    |
| Chromium                        | 0.05              | NA               | 0.019    |
| Cadmium                         | 0.005             | NA               | <0.0020  |
| Boron                           | 0.75              | NA               | 0.082    |
| Beryllium                       | 0.004             | NA               | <0.0020  |
| Barium                          | 2.0               | NA               | 0.40     |
| Aluminum                        | 5.0               | NA               | 20 (T)   |
| Total Dissolved<br>Solids (TDS) | 2540<br>C         | NA               | 3,500    |
| Sulfate                         | 600               | 2,300            | 1,800    |
| Nitrate-N                       | 10.0              | <1.0             | <0.50    |
| Nitrite-N                       | 1.0               | NA               | <0.50    |
| Chloride                        | 250               | NA               | 46       |
| Fluoride                        | 1.6               | NA               | <0.50    |
| Uranium                         | 0.03              | NA               | 0.036    |
| Thallium                        | 0.002             | NA               | <0.00050 |
| Selenium                        | 0.05              | NA               | 0.0014   |
| Lead                            | 0.015             | NA               | 0.0092   |
| Copper                          | 1.0               | NA               | 0.020    |
| Arsenic                         | 0.01              | NA               | 0.0067   |
| Antimony                        | 0.006             | NA               | <0.0010  |
| Sample<br>Date                  |                   |                  |          |
| Well ID                         | Analytical Method | NM WQCC Standard |          |
|                                 |                   | (mg/L)           |          |
| MW-1                            | 26-Mar-19         |                  | NA       |
| MW-1                            | 25-Sep-19         |                  | 1.056    |
| MW-1                            | 25-Mar-20         |                  | NA       |
| MW-1                            | 23-Jun-20         |                  | NA       |
| MW-1                            | 29-Sep-21         |                  | NA       |
| MW-1                            | 15-Mar-23         |                  | NA       |
| MW-1                            | 21-Jun-23         |                  | NA       |
| MW-1                            | 13-Dec-23         |                  | NA       |

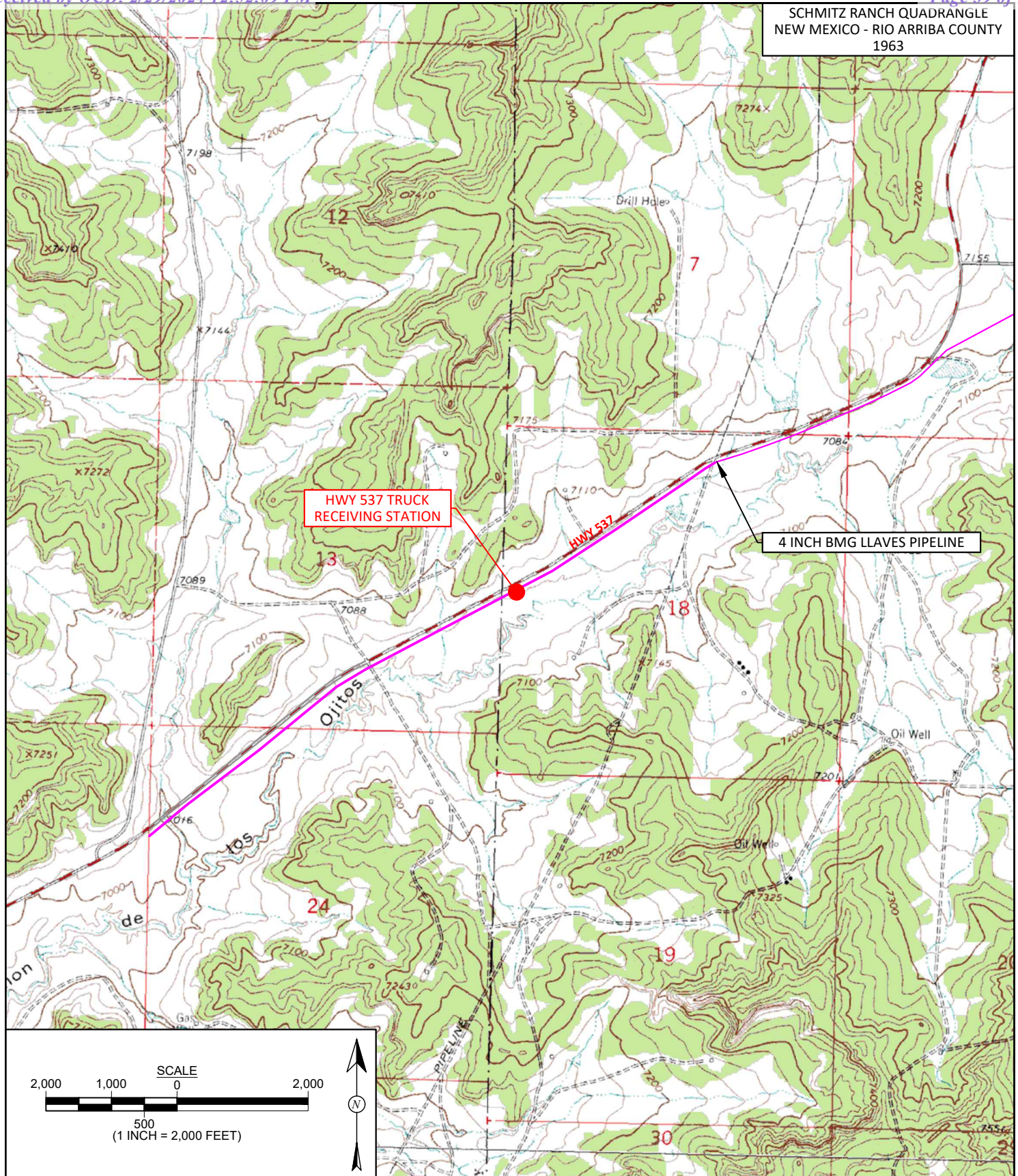
TABLE 3  
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - WQCC GROUNDWATER STANDARDS (NMAC 20.6.2.3103)  
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE  
Rio Arriba County, New Mexico

| Well ID | Sample Date       | Antimony   | Arsenic | Copper | Lead  | Selenium | Thallium | Uranium | Fluoride | Chloride | Nitrite-N | Nitrate-N | Sulfate | Total Dissolved Solids (TDS) | Aluminum   | Barium | Beryllium | Boron | Cadmium | Chromium | Cobalt | Iron   | Manganese | Molybdenum | Nickel | Silver  | Zinc        | Total Mercury | Cyanide     | Phenols | pH  | Radium 226/228 |
|---------|-------------------|------------|---------|--------|-------|----------|----------|---------|----------|----------|-----------|-----------|---------|------------------------------|------------|--------|-----------|-------|---------|----------|--------|--------|-----------|------------|--------|---------|-------------|---------------|-------------|---------|-----|----------------|
|         | Analytical Method | 200.8/6020 |         |        |       | 300.0    |          |         |          |          |           |           |         | 2540 C                       | 200.7/6010 |        |           |       |         |          |        |        |           |            | 245.1  | 4500 CN | SW-846 9067 | 4500-H+B      | 903.1 904.0 |         |     |                |
|         | NM WQCC Standard  | 0.006      | 0.01    | 1.0    | 0.015 | 0.002    | 0.003    | 1.6     | 250      | 1.0      | 10.0      | 600       | 1,000   | 5.0                          | 2.0        | 0.004  | 0.75      | 0.005 | 0.05    | 0.05     | 1.0    | 0.2    | 1.0       | 0.2        | 0.05   | 10.0    | 0.002       | 0.2           | 0.005       | 6 to 9  | 5.0 |                |
|         |                   | (mg/L)     |         |        |       |          |          |         |          |          |           |           |         |                              |            |        |           |       |         |          |        |        |           |            |        |         | -           | pCi/L         |             |         |     |                |
| MW-2    | 25-Mar-20         | NA         | NA      | NA     | NA    | NA       | 0.02 (T) | NA      | NA       | NA       | NA        | NA        | 2,200   | 3,430                        | 5.0 (T)    | NA     | NA        | NA    | NA      | NA       | NA     | 0.0044 | NA        | NA         | NA     | NA      | NA          | NA            | NA          | <0.0025 | NA  | NA             |
| MW-2    | 23-Jun-20         | NA         | NA      | NA     | NA    | NA       | NA       | NA      | NA       | NA       | NA        | NA        | NA      | NA                           | <0.02      | NA     | NA        | NA    | NA      | NA       | NA     | NA     | NA        | NA         | NA     | NA      | NA          | NA            | NA          | NA      | NA  | NA             |
| MW-5    | 21-Jun-23         | NA         | NA      | NA     | NA    | NA       | NA       | NA      | NA       | NA       | NA        | NA        | NA      | NA                           | NA         | NA     | NA        | NA    | NA      | NA       | NA     | 0.056  | NA        | NA         | NA     | NA      | NA          | NA            | <3.0        | NA      | NA  |                |

**Notes:** \* Collected as part of 2023 sampling  
< Analyte not detected above listed method limit  
NA Not analyzed  
NE Not established  
mg/L Milligrams per liter (ppm)  
(T) Total (unfiltered) concentration  
Contaminants listed above are the dissolved portion of contaminants, unless otherwise specified, in accordance with NMAC 20.6.2.3103.  
Bold where results are above WQCC standards.

## Figures





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**DRAWN BY:**

C. Lameman

**DATE DRAWN:**

January 10, 2013

**REVISIONS BY:**

C. Lameman

**DATE REVISED:**

January 16, 2024

**CHECKED BY:**

L. Cupps

**DATE CHECKED:**

January 16, 2024

**APPROVED BY:**

E. McNally

**DATE APPROVED:**

January 16, 2024

**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





AERIAL SOURCE: © 2023 GOOGLE EARTH PRO, AERIAL DATE: OCTOBER 5, 2016.

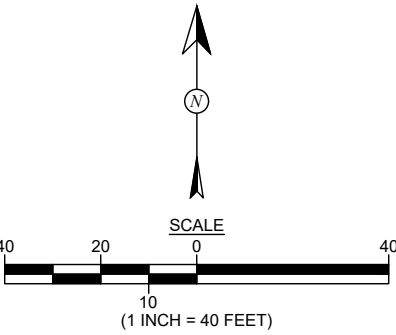
FIGURE 2

**AERIAL SITE MAP**  
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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| <b>CHECKED BY:</b><br>L. Cupps     | <b>DATE CHECKED:</b><br>January 16, 2024  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>January 16, 2024 |

- LEGEND**
- MONITORING WELL INSTALLED FEBRUARY 2009
  - PLUGGED AND ABANDONED WELL (AUGUST 2017)
  - SOIL BORING LOCATION (SEPTEMBER 2019)





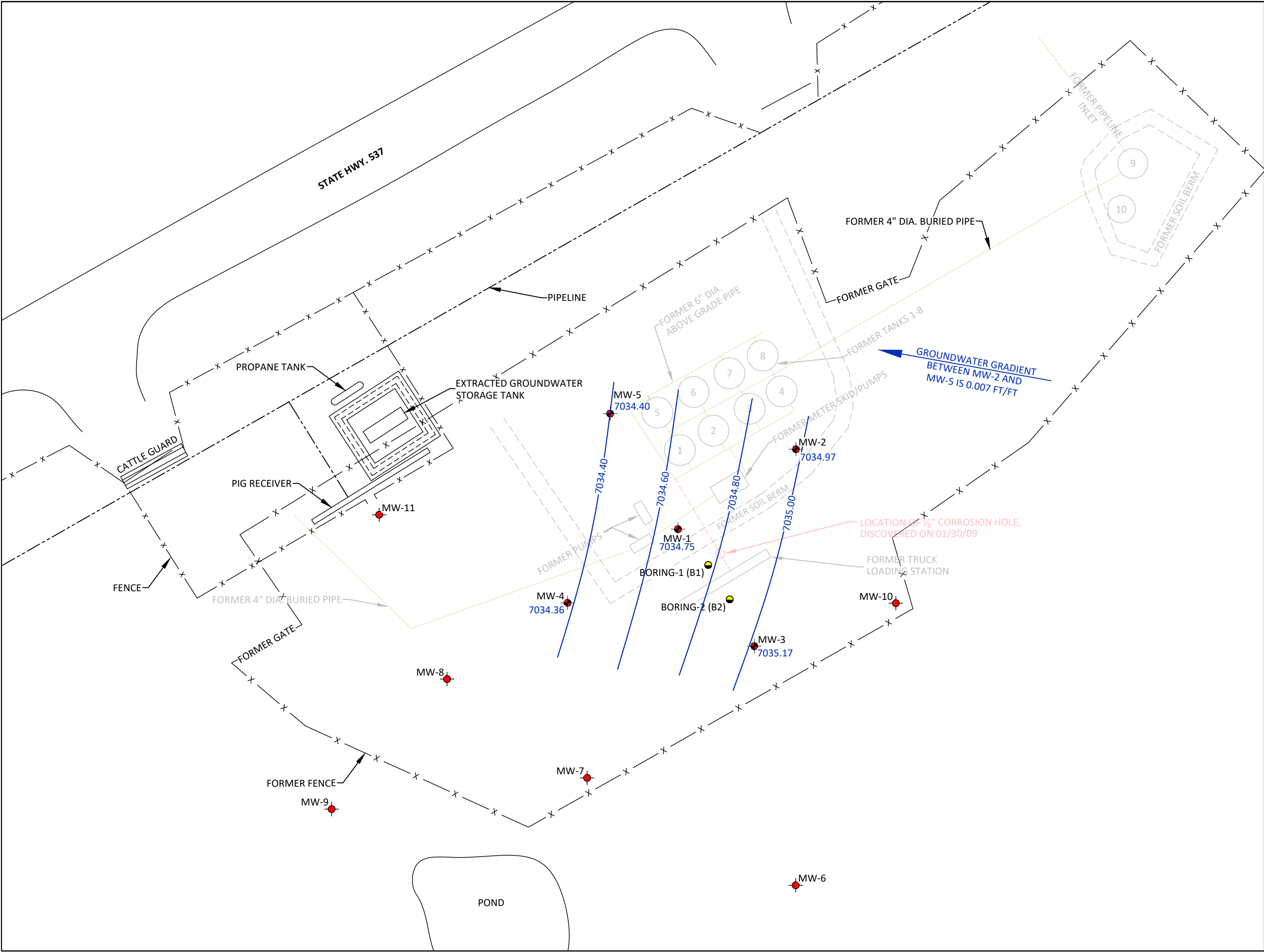


FIGURE 3A

GENERAL SITE MAP AND  
GROUNDWATER GRADIENT MAP  
MARCH 2023

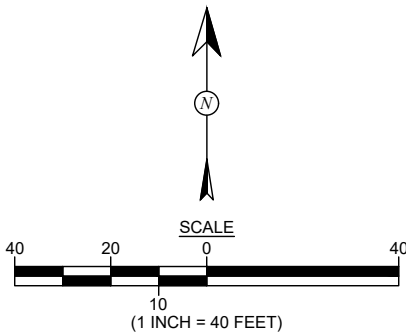
BENSON-MONTIN-GREER  
LLAVES PIPELINE HWY. 537  
TRUCK RECEIVING STATION 2009 RELEASE  
SW¼ NW¼ SECTION 18, T25N, R3W  
RIO ARriba COUNTY, NEW MEXICO  
N36.39866, W107.19328



|                                    |                                           |
|------------------------------------|-------------------------------------------|
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| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>January 16, 2024  |
| <b>CHECKED BY:</b><br>L. Cupps     | <b>DATE CHECKED:</b><br>January 16, 2024  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>January 16, 2024 |

- LEGEND**
- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
  - PLUGGED AND ABANDONED WELL (AUGUST 2017)
  - SOIL BORING LOCATION (SEPTEMBER 2019)
  - 7034.97 GROUNDWATER ELEVATIONS IN FEET (AMSL)
  - 7035.00- GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)
  - x FENCE

NOTE: ALL MEASUREMENTS MADE ON MARCH 15, 2023.



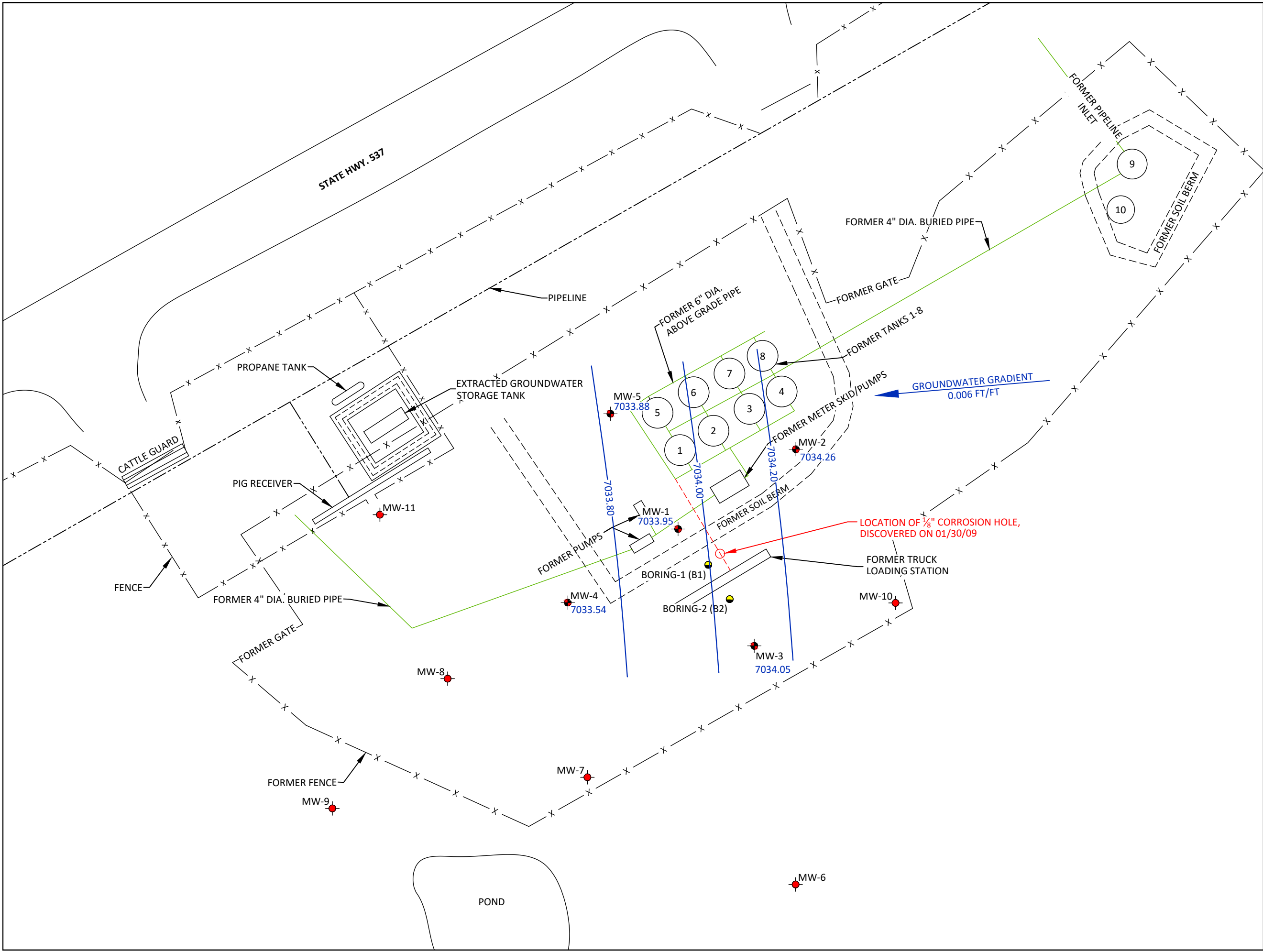


FIGURE 3B

GENERAL SITE MAP AND  
GROUNDWATER GRADIENT MAP  
JUNE 2023

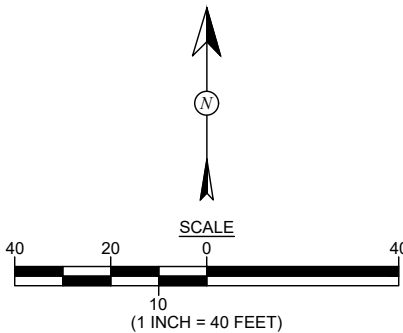
BENSON-MONTIN-GREER  
LLAVES PIPELINE HWY. 537  
TRUCK RECEIVING STATION 2009 RELEASE  
SW¼ NW¼ SECTION 18, T25N, R3W  
RIO ARriba COUNTY, NEW MEXICO  
N36.39866, W107.19328



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| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>January 16, 2024  |
| <b>CHECKED BY:</b><br>L. Cupps     | <b>DATE CHECKED:</b><br>January 16, 2024  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>January 16, 2024 |

- LEGEND**
- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
  - PLUGGED AND ABANDONED WELL (AUGUST 2017)
  - SOIL BORING LOCATION (SEPTEMBER 2019)
  - 7034.00 GROUNDWATER ELEVATIONS IN FEET (AMSL)
  - 7034.26- GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)
  - x - FENCE
- NOTE: ALL MEASUREMENTS MADE ON JUNE 21, 2023.





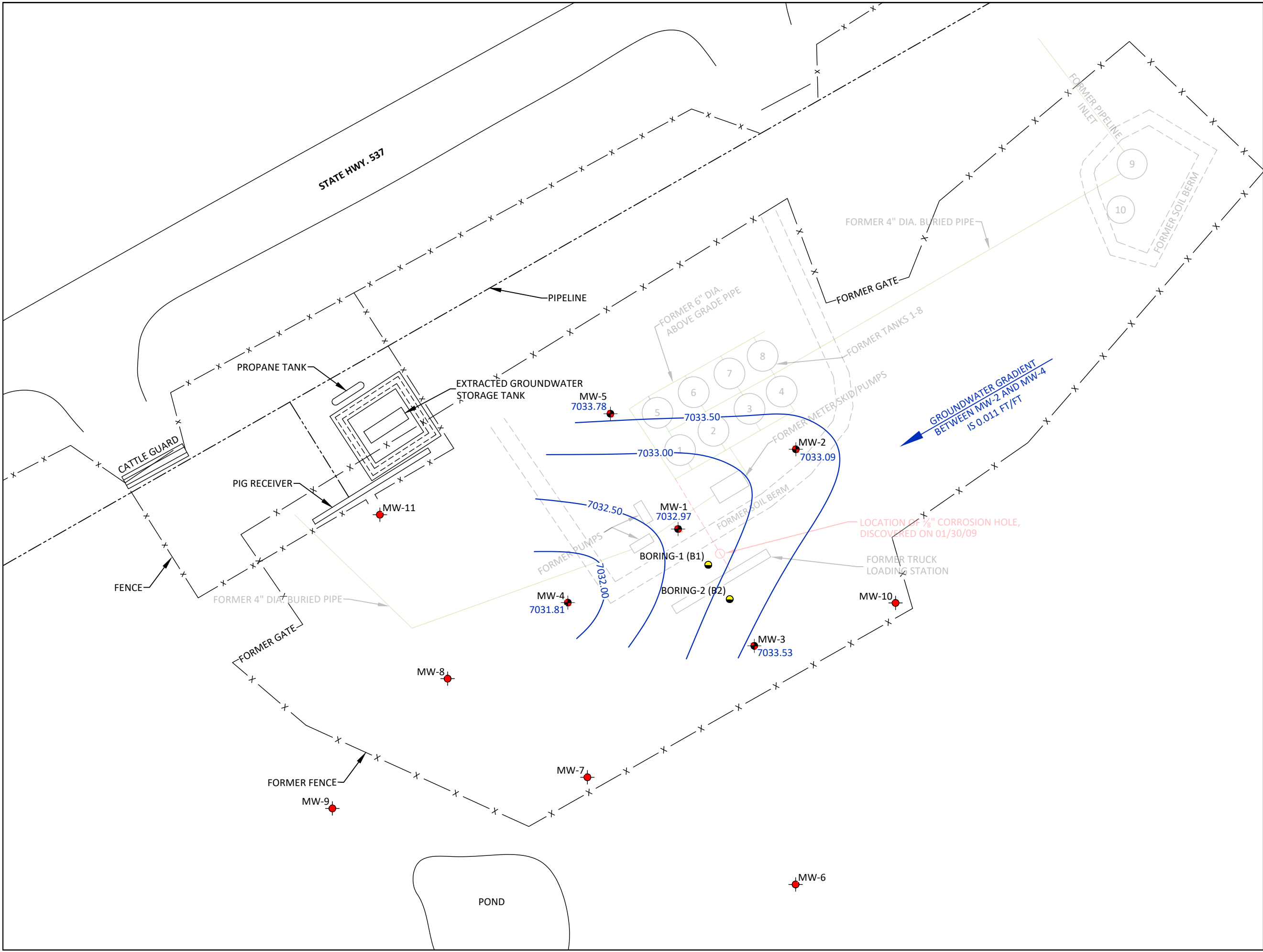


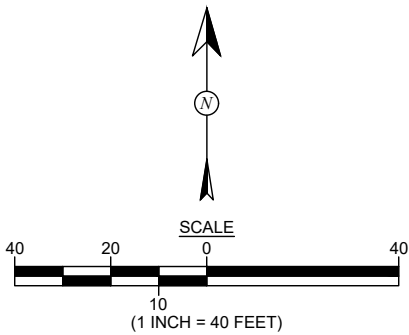
FIGURE 3C

**GENERAL SITE MAP AND  
GROUNDWATER GRADIENT MAP  
SEPTEMBER 2023**  
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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| <b>CHECKED BY:</b><br>L. Cupps     | <b>DATE CHECKED:</b><br>January 16, 2024  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>January 16, 2024 |

- LEGEND**
- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
  - PLUGGED AND ABANDONED WELL (AUGUST 2017)
  - SOIL BORING LOCATION (SEPTEMBER 2019)
  - 7033.09 GROUNDWATER ELEVATIONS IN FEET (AMSL)
  - 7033.00- GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)
  - x FENCE
- NOTE: ALL MEASUREMENTS MADE ON SEPTEMBER 13, 2023.



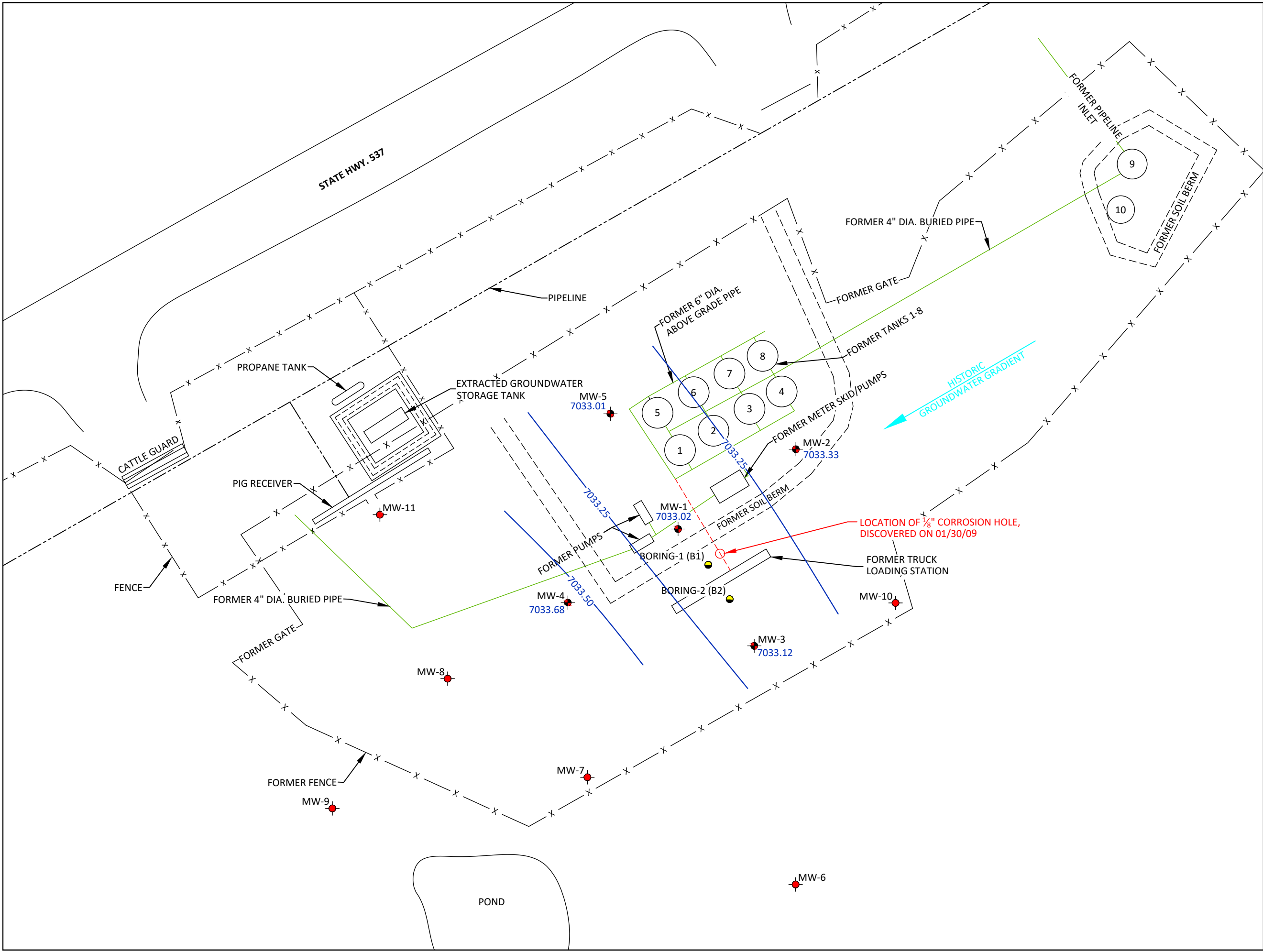


FIGURE 3D

**GENERAL SITE MAP AND  
GROUNDWATER GRADIENT MAP  
DECEMBER 2023**  
BENSON-MONTIN-GREER  
LLAVES PIPELINE HWY. 537  
TRUCK RECEIVING STATION 2009 RELEASE  
SW¼ NW¼ SECTION 18, T25N, R3W  
RIO ARriba COUNTY, NEW MEXICO  
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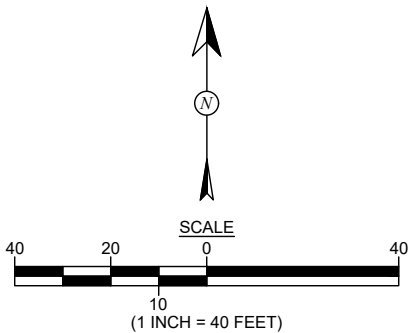


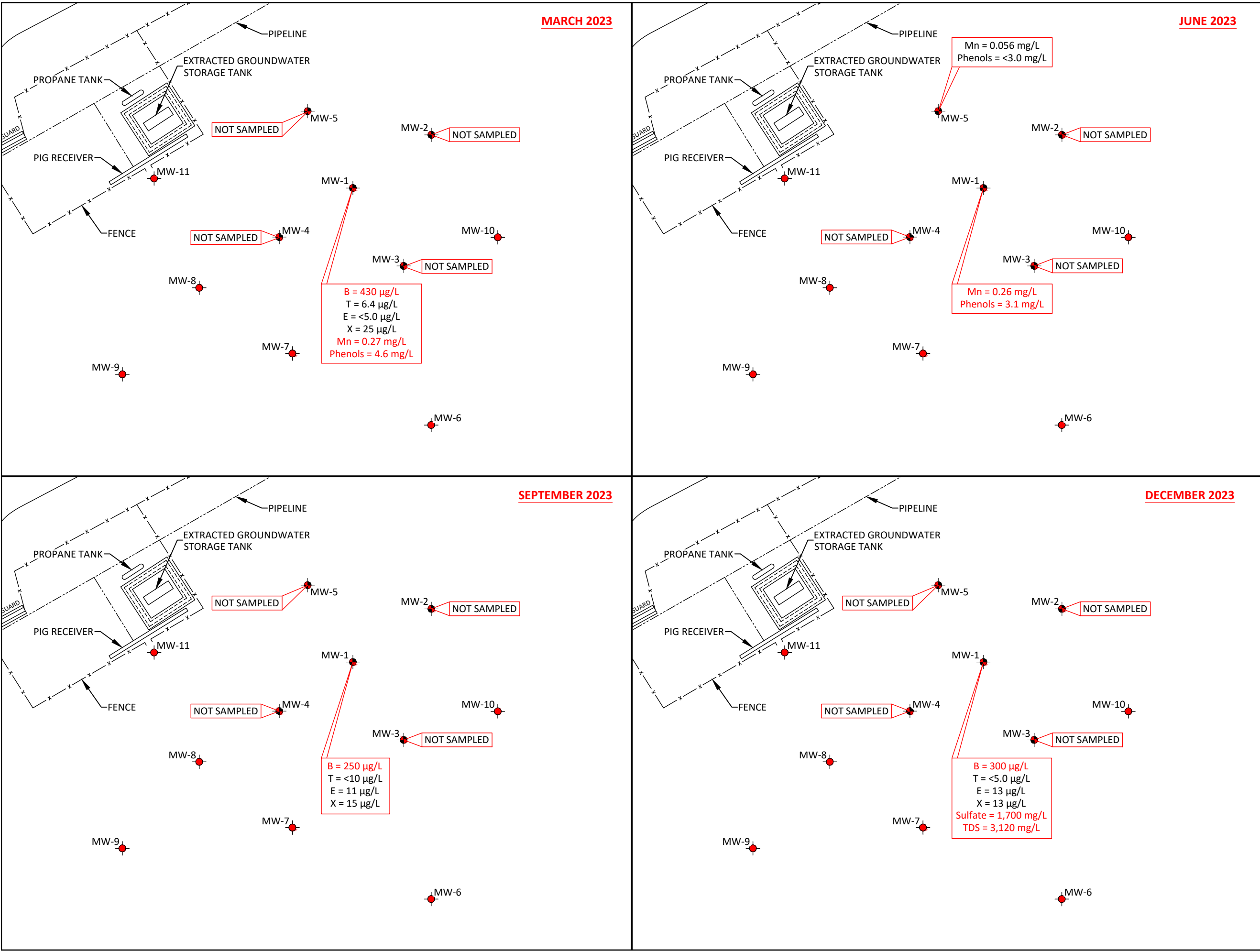
|                                    |                                           |
|------------------------------------|-------------------------------------------|
| <b>DRAWN BY:</b><br>C. Lameman     | <b>DATE DRAWN:</b><br>January 10, 2013    |
| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>January 16, 2024  |
| <b>CHECKED BY:</b><br>L. Cupps     | <b>DATE CHECKED:</b><br>January 16, 2024  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>January 16, 2024 |

**LEGEND**

- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
- PLUGGED AND ABANDONED WELL (AUGUST 2017)
- SOIL BORING LOCATION (SEPTEMBER 2019)
- 7033.33 GROUNDWATER ELEVATIONS IN FEET (AMSL)
- 7032.25 GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)
- x — FENCE

NOTE: ALL MEASUREMENTS MADE ON DECEMBER 13, 2023.





### FIGURE 4

**2023 GROUNDWATER CONTAMINANT CONCENTRATIONS MAP**  
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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| <b>REVISIONS BY:</b><br>C. Lameman | <b>DATE REVISED:</b><br>January 16, 2024  |
| <b>CHECKED BY:</b><br>L. Cupps     | <b>DATE CHECKED:</b><br>January 16, 2024  |
| <b>APPROVED BY:</b><br>E. McNally  | <b>DATE APPROVED:</b><br>January 16, 2024 |

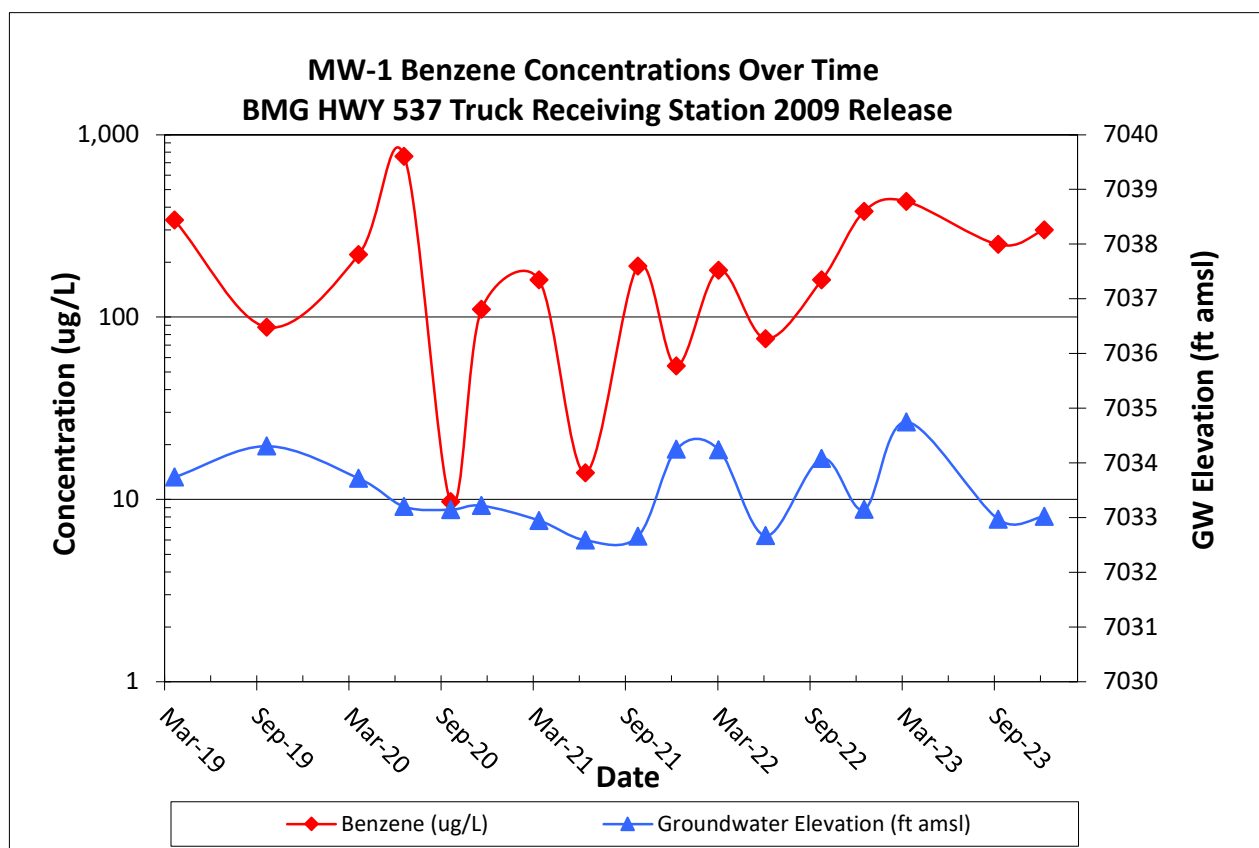
**LEGEND**

- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
- PLUGGED AND ABANDONED WELL (AUGUST 2017)
- FENCE
- BENZENE
- TOLUENE
- ETHYL-BENZENE
- XYLENES
- MANGANESE
- TDS
- NOT ANALYZED
- MICROGRAMS PER LITER (ppb)
- MILLIGRAMS PER LITER (ppm)
- BELOW DETECTION LIMIT

NOTE: ALL SAMPLES COLLECTED ON MARCH 15, JUNE 21, SEPTEMBER 13, AND DECEMBER 13, 2023. ANALYZED PER EPA METHOD 8260B, 6010, SW-846 9067, 300.0 AND 2540 C.

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

## Graphs



## Appendix



Released to Imaging: 4/23/2024 10:10:15 AM



## GROUNDWATER SAMPLE COLLECTION FORM

Animas Environmental Services

Monitor Well No: MW-1

624 E Comanche St., Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Site: BME

Project No.: \_\_\_\_\_

Location: 2009 ReleaseDate: 03-15-23

Project: Groundwater Monitoring and Sampling

Arrival Time: 11:50Sampling Technician: JOAir Temp: 48° cloudyPurge / No Purge: Purge

T.O.C. Elev. (ft): \_\_\_\_\_

Well Diameter (in): 2Total Well Depth (ft): 39.41Initial D.T.W. (ft): 29.91Time: 12:17

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 29.91Time: 12:18

(taken prior to purging well)

Final D.T.W. (ft): 29.99Time: 12:34

(taken after sample collection)

If NAPL Present: D.T.P.: SheenD.T.W.: SheenThickness: 7.01 Time: 12:17

## Water Quality Parameters - Recorded During Well Purging

YSI # 2 Calibrated by: JO

| Time  | Temp<br>(deg C)                 | Conductivity<br>(µS) (mS) | DO<br>(mg/L) | pH | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/Observations |
|-------|---------------------------------|---------------------------|--------------|----|-------------|------------------------------------------|--------------------|
| 12:19 | NO WATER QUALITY READING DUE TO |                           |              |    |             |                                          |                    |
|       | SHEEN                           |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
| 12:42 | Samples Collected               |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |
|       |                                 |                           |              |    |             |                                          |                    |

## Analytical Parameters (include analysis method and number and type of sample containers)

Disposal of Purged Water: Onsite storage tankCollected Samples Stored on Ice in Cooler: yesChain of Custody Record Complete: yesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter  
and New Disposable BailorNotes/Comments: Calculated Pump - 4.6 gallonsAbsorbent sock replaced with new sock - 12:44

## DEPTH TO GROUNDWATER MEASUREMENT FORM

**Animas Environmental Services**

624 E. Comanche St, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

|          |                        |
|----------|------------------------|
| Project: | Groundwater Monitoring |
|----------|------------------------|

Site: BMG

**Location:** Hwy 537 2009 Release

Tech: JS

Project No.:

Date: 6-21-23

Time: 12:29

Form: 1 of 1

[illegible]

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.









Tel. (505) 564-2281 Fax (505) 324-2022

Form: 1 of 1

Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

\* Values are approximate due to inface probe



| GROUNDWATER SAMPLE COLLECTION FORM                                                                                                       |                 |                           |              | Animas Environmental Ser                                               |             |                                          |         |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------|--------------|------------------------------------------------------------------------|-------------|------------------------------------------|---------|
| Monitor Well No: <u>MW-1</u>                                                                                                             |                 |                           |              | 624 E Comanche St., Farmington NM<br>Tel. (505) 564-2281 Fax (505) 324 |             |                                          |         |
| Site: <u>BML</u>                                                                                                                         |                 |                           |              | Project No.: _____                                                     |             |                                          |         |
| Location: <u>Hwy 537 2009 Release</u>                                                                                                    |                 |                           |              | Date: <u>9-13-23</u>                                                   |             |                                          |         |
| Project: <u>Groundwater Monitoring and Sampling</u>                                                                                      |                 |                           |              | Arrival Time: <u>11:00</u>                                             |             |                                          |         |
| Sampling Technician: <u>JD</u>                                                                                                           |                 |                           |              | Air Temp: <u>65° Cloudy</u>                                            |             |                                          |         |
| Purge / No Purge: <u>Purge</u>                                                                                                           |                 |                           |              | T.O.C. Elev. (ft): _____                                               |             |                                          |         |
| Well Diameter (in): <u>2</u>                                                                                                             |                 |                           |              | Total Well Depth (ft): _____                                           |             |                                          |         |
| Initial D.T.W. (ft): <u>31.69</u> *                                                                                                      |                 | Time: <u>12:49</u>        |              | (taken at initial gauging of all we                                    |             |                                          |         |
| Confirm D.T.W. (ft): <u>31.69</u>                                                                                                        |                 | Time: <u>12:49</u>        |              | (taken prior to purging well)                                          |             |                                          |         |
| Final D.T.W. (ft): <u>31.48</u>                                                                                                          |                 | Time: <u>13:22</u>        |              | (taken after sample collection)                                        |             |                                          |         |
| If NAPL Present: D.T.P.: _____                                                                                                           |                 |                           |              | D.T.W.: _____ Thickness: _____ Time: _____                             |             |                                          |         |
| Water Quality Parameters - Recorded During Well Purging                                                                                  |                 |                           |              |                                                                        |             |                                          |         |
| YSI # _____ Calibration Date: _____                                                                                                      |                 |                           |              |                                                                        |             |                                          |         |
| Time                                                                                                                                     | Temp<br>(deg C) | Conductivity<br>(µS) (mS) | DO<br>(mg/L) | pH                                                                     | ORP<br>(mV) | PURGED VOLUME<br>(see reverse for calc.) | Notes/C |
| 12:52                                                                                                                                    |                 |                           |              |                                                                        |             | Shells                                   |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
| 13:18                                                                                                                                    |                 |                           |              |                                                                        |             | Samples Collected                        |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
| Analytical Parameters (include analysis method and number and type of sample container)                                                  |                 |                           |              |                                                                        |             |                                          |         |
| * <u>Approximate</u>                                                                                                                     |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
|                                                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
| Disposal of Purged Water: _____                                                                                                          |                 |                           |              |                                                                        |             |                                          |         |
| Collected Samples Stored on Ice in Cooler: _____                                                                                         |                 |                           |              |                                                                        |             |                                          |         |
| Chain of Custody Record Complete: _____                                                                                                  |                 |                           |              |                                                                        |             |                                          |         |
| Analytical Laboratory: <u>Hall Environmental Analysis Laboratory, Albuquerque</u>                                                        |                 |                           |              |                                                                        |             |                                          |         |
| Equipment Used During Sampling: <u>Keck Water Level or Keck Interface Level, YSI Water Quality M</u><br><u>and New Disposable Bailer</u> |                 |                           |              |                                                                        |             |                                          |         |

[illegible]



[illegible]



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

April 03, 2023

Angela Ledgerwood  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX

RE: BMG Hwy 537 2009 Release

OrderNo.: 2303A32

Dear Angela Ledgerwood:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/21/2023 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](http://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 qualifiers 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
Lab Order 2303A32  
Date Reported: 4/3/2023

CLIENT: Animas Environmental Services      Client Sample ID: MW-1  
Project: BMG Hwy 537 2009 Release      Collection Date: 3/17/2023 3:49:00 PM  
Lab ID: 2303A32-001      Matrix: AQUEOUS      Received Date: 3/21/2023 6:20:00 AM

| Analyses                       | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch        |
|--------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| TOTAL PHENOLICS BY SW-846 9067 |        |     |      |       |    |                      | Analyst: JPM |
| Phenolics                      | 4.6    | 3.0 |      | µg/L  | 1  | 3/31/2023 1:58:00 PM | 74052        |

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  | Above Quantitation Range/Estimated Value        |
|             | 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                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303A3203-Apr-23

Client: Animas Environmental Services  
Project: BMG Hwy 537 2009 Release

|                      |        |                          |           |             |                                          |          |             |      |          |      |
|----------------------|--------|--------------------------|-----------|-------------|------------------------------------------|----------|-------------|------|----------|------|
| Sample ID: MB-74052  |        | SampType: MBLK           |           |             | TestCode: Total Phenolics by SW-846 9067 |          |             |      |          |      |
| Client ID: PBW       |        | Batch ID: 74052          |           |             | RunNo: 95712                             |          |             |      |          |      |
| Prep Date: 3/31/2023 |        | Analysis Date: 3/31/2023 |           |             | SeqNo: 3464011                           |          | Units: µg/L |      |          |      |
| Analyte              | Result | PQL                      | SPK value | SPK Ref Val | %REC                                     | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Phenolics            | ND     | 3.0                      |           |             |                                          |          |             |      |          |      |

|                      |        |                          |           |                                          |      |             |           |      |          |      |
|----------------------|--------|--------------------------|-----------|------------------------------------------|------|-------------|-----------|------|----------|------|
| Sample ID: LCS-74052 |        | SampType: LCS            |           | TestCode: Total Phenolics by SW-846 9067 |      |             |           |      |          |      |
| Client ID: LCSW      |        | Batch ID: 74052          |           | RunNo: 95712                             |      |             |           |      |          |      |
| Prep Date: 3/31/2023 |        | Analysis Date: 3/31/2023 |           | SeqNo: 3464012                           |      | Units: µg/L |           |      |          |      |
| Analyte              | Result | PQL                      | SPK value | SPK Ref Val                              | %REC | LowLimit    | HighLimit | %RPD | RPDLimit | Qual |
| Phenolics            | 16     | 3.0                      | 20.00     | 0                                        | 79.6 | 38.6        | 115       |      |          |      |

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



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 Services

Work Order Number: 2303A32

RcptNo: 1

Received By: Tracy Casarrubias 3/21/2023 6:20:00 AM

Completed By: Tracy Casarrubias 3/21/2023 6:58:07 AM

Reviewed By: *TC 3/21/23*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

*1*  
*<2 or >12 unless noted*

Adjusted? *NO*

Checked by: *TC 3-21-23*

### Special Handling (if applicable)

15. 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: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 2.1                     | Good      | Yes         | Yogi    |           |           |







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March 23, 2023

Angela Ledgerwood  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL:  
FAX:

RE: BMG Hwy 537 2009 Release

OrderNo.: 2303953

Dear Angela Ledgerwood:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/17/2023 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](http://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 qualifiers 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
Lab Order 2303953  
Date Reported: 3/23/2023

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 3/15/2023 12:42:00 PM

Lab ID: 2303953-001

Matrix: AQUEOUS

Received Date: 3/17/2023 7:35:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch  |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 200.7: DISSOLVED METALS |        |        |      |       |    | Analyst: JRR         |        |
| Manganese                          | 0.27   | 0.0020 | *    | mg/L  | 1  | 3/21/2023 2:45:49 PM | A95439 |

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  | Above Quantitation Range/Estimated Value        |
|             | 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                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

Page 1 of 2

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2303953

23-Mar-23

**Client:** Animas Environmental Services**Project:** BMG Hwy 537 2009 Release

|                        |                                 |        |                                                     |             |                    |          |           |      |          |      |
|------------------------|---------------------------------|--------|-----------------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>MB-A</b> | SampType: <b>MBLK</b>           |        | TestCode: <b>EPA Method 200.7: Dissolved Metals</b> |             |                    |          |           |      |          |      |
| Client ID: <b>PBW</b>  | Batch ID: <b>A95439</b>         |        | RunNo: <b>95439</b>                                 |             |                    |          |           |      |          |      |
| Prep Date:             | Analysis Date: <b>3/21/2023</b> |        | SeqNo: <b>3452355</b>                               |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte                | Result                          | PQL    | SPK value                                           | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Manganese              | ND                              | 0.0020 |                                                     |             |                    |          |           |      |          |      |

|                           |                                 |        |                                                     |             |                    |          |           |      |          |      |
|---------------------------|---------------------------------|--------|-----------------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>LCSLL-A</b> | SampType: <b>LCSLL</b>          |        | TestCode: <b>EPA Method 200.7: Dissolved Metals</b> |             |                    |          |           |      |          |      |
| Client ID: <b>BatchQC</b> | Batch ID: <b>A95439</b>         |        | RunNo: <b>95439</b>                                 |             |                    |          |           |      |          |      |
| Prep Date:                | Analysis Date: <b>3/21/2023</b> |        | SeqNo: <b>3452356</b>                               |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte                   | Result                          | PQL    | SPK value                                           | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Manganese                 | 0.0022                          | 0.0020 | 0.002000                                            | 0           | 108                | 50       | 150       |      |          |      |

|                         |                                 |        |                                                     |             |                    |          |           |      |          |      |
|-------------------------|---------------------------------|--------|-----------------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>LCS-A</b> | SampType: <b>LCS</b>            |        | TestCode: <b>EPA Method 200.7: Dissolved Metals</b> |             |                    |          |           |      |          |      |
| Client ID: <b>LCSW</b>  | Batch ID: <b>A95439</b>         |        | RunNo: <b>95439</b>                                 |             |                    |          |           |      |          |      |
| Prep Date:              | Analysis Date: <b>3/21/2023</b> |        | SeqNo: <b>3452357</b>                               |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte                 | Result                          | PQL    | SPK value                                           | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Manganese               | 0.52                            | 0.0020 | 0.5000                                              | 0           | 105                | 85       | 115       |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 2 of 2



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 Services

Work Order Number: 2303953

RcptNo: 1

Received By: Juan Rojas

3/17/2023 7:35:00 AM

*Juan Rojas*

Completed By: Sean Livingston

3/17/2023 11:02:04 AM

*Sean Livingston*

Reviewed By: DAD 3/17/23

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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? No

Checked by: DM 3/17/23

### Special Handling (if applicable)

15. 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: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 0.6                     | Good      | Not Present | Morty   |           |           |

## Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **PO Box 8**  
**Farmington, NM 87499-0008**

Phone #: **720-537-6650**

Email or Fax#: **aledgerwood@animasenvironmental.com**

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

Accreditation:  
☐ NELAP ☐ Other \_\_\_\_\_

☐ EDD (Type) \_\_\_\_\_

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

**BMG Hwy 537 2009 Release**

Project #:

Project Manager:

**Angela Ledgerwood**  
**Elizabeth McNally**

Sampler: **J. Oyebi**On Ice: ☒ Yes ☐ No *(mer +)*Sample Temperature: *0.4 to 0.7 = 0.6*

| Date    | Time  | Matrix           | Sample Request ID | Container Type and #                    | Preservative Type                          | HEAL No.                  | Dissolved Mn (200.7/6010) | Phenols per SW846 9067 |  |  |  |  |  |  |  |  | Air Bubbles (Y or N) |
|---------|-------|------------------|-------------------|-----------------------------------------|--------------------------------------------|---------------------------|---------------------------|------------------------|--|--|--|--|--|--|--|--|----------------------|
| 3/15/23 | 12:42 | H <sub>2</sub> O | MW-1              | <del>250mL Amber</del><br>1x125-mL HDPE | <del>cool</del><br>HNO <sub>3</sub> , cool | <del>2303953</del><br>201 | X                         | X                      |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |
|         |       |                  |                   |                                         |                                            |                           |                           |                        |  |  |  |  |  |  |  |  |                      |

Date: **3/16/23** Time: **1544** Relinquished by: *[Signature]*

Received by: *[Signature]* Date: **3/16/23** Time: **1544**

Date: **3/16/23** Time: **1752** Relinquished by: *[Signature]*

Received by: *[Signature]* Date: **3/17/23** Time: **7:35**

Remarks: Please bill direct to Benson-Montin-Greer  
 bmg@bmgdrilling.com. Call with any questions.  
 Diss. Mn/200.7/6010: 1x125-mL HDPE bottle, HNO<sub>3</sub> - must be field-filtered prior to preservation

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

## Analysis Request



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

March 27, 2023

Elizabeth McNally  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL:  
FAX:

RE: BMG Hwy 537 2009 Release

OrderNo.: 2303950

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/17/2023 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](http://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 qualifiers 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2303950

Date Reported: 3/27/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 3/15/2023 12:42:00 PM

Lab ID: 2303950-001

Matrix: AQUEOUS

Received Date: 3/17/2023 7:35:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch       |
|------------------------------------|--------|-----|------|-------|----|----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: JR |
| Benzene                            | 430    | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Toluene                            | 6.4    | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Ethylbenzene                       | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Methyl tert-butyl ether (MTBE)     | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2,4-Trimethylbenzene             | 12     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,3,5-Trimethylbenzene             | 8.3    | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2-Dichloroethane (EDC)           | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2-Dibromoethane (EDB)            | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Naphthalene                        | ND     | 10  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1-Methylnaphthalene                | ND     | 20  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 2-Methylnaphthalene                | ND     | 20  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Acetone                            | ND     | 50  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Bromobenzene                       | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Bromodichloromethane               | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Bromoform                          | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Bromomethane                       | ND     | 15  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 2-Butanone                         | ND     | 50  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Carbon disulfide                   | ND     | 50  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Carbon Tetrachloride               | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Chlorobenzene                      | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Chloroethane                       | ND     | 10  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Chloroform                         | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Chloromethane                      | ND     | 15  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 2-Chlorotoluene                    | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 4-Chlorotoluene                    | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| cis-1,2-DCE                        | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| cis-1,3-Dichloropropene            | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2-Dibromo-3-chloropropane        | ND     | 10  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Dibromochloromethane               | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Dibromomethane                     | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2-Dichlorobenzene                | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,3-Dichlorobenzene                | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,4-Dichlorobenzene                | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Dichlorodifluoromethane            | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,1-Dichloroethane                 | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,1-Dichloroethene                 | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2-Dichloropropane                | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,3-Dichloropropane                | ND     | 5.0 |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 2,2-Dichloropropane                | ND     | 10  |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2303950

Date Reported: 3/27/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 3/15/2023 12:42:00 PM

Lab ID: 2303950-001

Matrix: AQUEOUS

Received Date: 3/17/2023 7:35:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch       |
|------------------------------------|--------|--------|------|-------|----|----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: JR |
| 1,1-Dichloropropene                | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Hexachlorobutadiene                | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 2-Hexanone                         | ND     | 50     |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Isopropylbenzene                   | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 4-Isopropyltoluene                 | 6.5    | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 4-Methyl-2-pentanone               | ND     | 50     |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Methylene Chloride                 | ND     | 15     |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| n-Butylbenzene                     | ND     | 15     |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| n-Propylbenzene                    | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| sec-Butylbenzene                   | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Styrene                            | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| tert-Butylbenzene                  | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,1,1,2-Tetrachloroethane          | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,1,2,2-Tetrachloroethane          | ND     | 10     |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Tetrachloroethene (PCE)            | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| trans-1,2-DCE                      | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| trans-1,3-Dichloropropene          | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2,3-Trichlorobenzene             | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2,4-Trichlorobenzene             | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,1,1-Trichloroethane              | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,1,2-Trichloroethane              | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Trichloroethene (TCE)              | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Trichlorofluoromethane             | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| 1,2,3-Trichloropropane             | ND     | 10     |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Vinyl chloride                     | ND     | 5.0    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Xylenes, Total                     | 25     | 7.5    |      | µg/L  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Surr: 1,2-Dichloroethane-d4        | 110    | 70-130 |      | %Rec  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Surr: 4-Bromofluorobenzene         | 114    | 70-130 |      | %Rec  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Surr: Dibromofluoromethane         | 99.7   | 70-130 |      | %Rec  | 5  | 3/24/2023 4:26:47 AM | B95531      |
| Surr: Toluene-d8                   | 103    | 70-130 |      | %Rec  | 5  | 3/24/2023 4:26:47 AM | B95531      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

Page 2 of 7



## Analytical Report

Lab Order 2303950

Date Reported: 3/27/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: BMG Hwy 537 2009 Release

Collection Date:

Lab ID: 2303950-002

Matrix: TRIP BLANK

Received Date: 3/17/2023 7:35:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch       |
|------------------------------------|--------|-----|------|-------|----|----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: JR |
| Benzene                            | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Toluene                            | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2,4-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,3,5-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2303950

Date Reported: 3/27/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: BMG Hwy 537 2009 Release

Collection Date:

Lab ID: 2303950-002

Matrix: TRIP BLANK

Received Date: 3/17/2023 7:35:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch       |
|------------------------------------|--------|--------|------|-------|----|----------------------|-------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: JR |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Xylenes, Total                     | ND     | 1.5    |      | µg/L  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Surr: 1,2-Dichloroethane-d4        | 98.5   | 70-130 |      | %Rec  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Surr: 4-Bromofluorobenzene         | 101    | 70-130 |      | %Rec  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Surr: Dibromofluoromethane         | 103    | 70-130 |      | %Rec  | 1  | 3/24/2023 4:56:33 AM | B95531      |
| Surr: Toluene-d8                   | 96.5   | 70-130 |      | %Rec  | 1  | 3/24/2023 4:56:33 AM | B95531      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

Page 4 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303950  
27-Mar-23

Client: Animas Environmental Services  
Project: BMG Hwy 537 2009 Release

|                             |                          |                                       |             |             |      |          |           |      |          |      |
|-----------------------------|--------------------------|---------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: 100ng lcs2       | SampType: LCS            | TestCode: EPA Method 8260B: VOLATILES |             |             |      |          |           |      |          |      |
| Client ID: LCSW             | Batch ID: B95531         | RunNo: 95531                          |             |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: 3/23/2023 | SeqNo: 3455282                        | Units: µg/L |             |      |          |           |      |          |      |
| Analyte                     | Result                   | PQL                                   | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | 22                       | 1.0                                   | 20.00       | 0           | 111  | 70       | 130       |      |          |      |
| Toluene                     | 21                       | 1.0                                   | 20.00       | 0           | 106  | 70       | 130       |      |          |      |
| Chlorobenzene               | 21                       | 1.0                                   | 20.00       | 0           | 103  | 70       | 130       |      |          |      |
| 1,1-Dichloroethene          | 22                       | 1.0                                   | 20.00       | 0           | 108  | 70       | 130       |      |          |      |
| Trichloroethene (TCE)       | 21                       | 1.0                                   | 20.00       | 0           | 106  | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 10                       |                                       | 10.00       |             | 102  | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                       |                                       | 10.00       |             | 101  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 11                       |                                       | 10.00       |             | 105  | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.6                      |                                       | 10.00       |             | 96.0 | 70       | 130       |      |          |      |

|                                |                          |                                       |             |             |      |          |           |      |          |      |
|--------------------------------|--------------------------|---------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: mb2                 | SampType: MBLK           | TestCode: EPA Method 8260B: VOLATILES |             |             |      |          |           |      |          |      |
| Client ID: PBW                 | Batch ID: B95531         | RunNo: 95531                          |             |             |      |          |           |      |          |      |
| Prep Date:                     | Analysis Date: 3/23/2023 | SeqNo: 3455318                        | 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                                   |             |             |      |          |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Naphthalene                    | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| 1-Methylnaphthalene            | ND                       | 4.0                                   |             |             |      |          |           |      |          |      |
| 2-Methylnaphthalene            | ND                       | 4.0                                   |             |             |      |          |           |      |          |      |
| Acetone                        | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Bromobenzene                   | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Bromodichloromethane           | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Bromoform                      | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Bromomethane                   | ND                       | 3.0                                   |             |             |      |          |           |      |          |      |
| 2-Butanone                     | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Carbon disulfide               | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Carbon Tetrachloride           | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Chlorobenzene                  | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Chloroethane                   | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| Chloroform                     | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Chloromethane                  | ND                       | 3.0                                   |             |             |      |          |           |      |          |      |
| 2-Chlorotoluene                | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |

Qualifiers:

|     |                                                                               |    |                                                 |
|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
| 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                          |
| PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
| S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

## QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2303950

27-Mar-23

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

| Sample ID: <b>mb2</b>       | SampType: <b>MBLK</b>           |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|---------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>B95531</b>         |     |           | RunNo: <b>95531</b>                          |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>3/23/2023</b> |     |           | SeqNo: <b>3455318</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                          | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene             | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND                              | 10  |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                              | 10  |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND                              | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND                              | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Propylbenzene             | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| sec-Butylbenzene            | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Styrene                     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| tert-Butylbenzene           | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND                              | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                              | 2.0 |           |                                              |      |                    |           |      |          |      |

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 6 of 7



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303950  
27-Mar-23

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

|                             |                          |                                                                      |
|-----------------------------|--------------------------|----------------------------------------------------------------------|
| Sample ID: mb2              | SampType: MBLK           | TestCode: EPA Method 8260B: VOLATILES                                |
| Client ID: PBW              | Batch ID: B95531         | RunNo: 95531                                                         |
| Prep Date:                  | Analysis Date: 3/23/2023 | SeqNo: 3455318 Units: µg/L                                           |
| Analyte                     | Result                   | PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Vinyl chloride              | ND                       | 1.0                                                                  |
| Xylenes, Total              | ND                       | 1.5                                                                  |
| Surr: 1,2-Dichloroethane-d4 | 10                       | 10.00 101 70 130                                                     |
| Surr: 4-Bromofluorobenzene  | 10                       | 10.00 100 70 130                                                     |
| Surr: Dibromofluoromethane  | 10                       | 10.00 104 70 130                                                     |
| Surr: Toluene-d8            | 9.8                      | 10.00 98.4 70 130                                                    |

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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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 Services

Work Order Number: 2303950

RcptNo: 1

Received By: Juan Rojas

3/17/2023 7:35:00 AM

Completed By: Sean Livingston

3/17/2023 10:33:02 AM

Reviewed By: *me*

3/17/23

*[Signature]*

*[Signature]*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0° C Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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)

15. 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: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 0.6     | Good      | Not Present | Morty   |           |           |





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

July 07, 2023

Angela Ledgerwood  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX:

RE: BMG Hwy 537 2009 Release

OrderNo.: 2306C91

Dear Angela Ledgerwood:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/24/2023 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](http://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 qualifiers 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



Hall Environmental Analysis Laboratory, Inc.

Analytical Report  
Lab Order 2306C91  
Date Reported: 7/7/2023

CLIENT: Animas Environmental Services      Client Sample ID: MW-1  
Project: BMG Hwy 537 2009 Release      Collection Date: 6/21/2023 2:02:00 PM  
Lab ID: 2306C91-001      Matrix: AQUEOUS      Received Date: 6/24/2023 7:45:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 200.7: DISSOLVED METALS |        |        |      |       |    |                      | Analyst: VP  |
| Manganese                          | 0.26   | 0.0020 | *    | mg/L  | 1  | 6/27/2023 8:33:07 AM | A97726       |
| TOTAL PHENOLICS BY SW-846 9067     |        |        |      |       |    |                      | Analyst: JPM |
| Phenolics                          | 3.1    | 3.0    |      | µg/L  | 1  | 6/29/2023 3:20:00 PM | 75921        |

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  | Above Quantitation Range/Estimated Value        |
|             | 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                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

CLIENT: Animas Environmental Services

Client Sample ID: MW-5

Project: BMG Hwy 537 2009 Release

Collection Date: 6/21/2023 1:21:00 PM

Lab ID: 2306C91-002

Matrix: AQUEOUS

Received Date: 6/24/2023 7:45:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| EPA METHOD 200.7: DISSOLVED METALS |        |        |      |       |    |                      | Analyst: VP  |
| Manganese                          | 0.056  | 0.0020 | *    | mg/L  | 1  | 6/27/2023 8:37:34 AM | A97726       |
| TOTAL PHENOLICS BY SW-846 9067     |        |        |      |       |    |                      | Analyst: JPM |
| Phenolics                          | ND     | 3.0    |      | µg/L  | 1  | 6/29/2023 3:20:00 PM | 75921        |

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  | Above Quantitation Range/Estimated Value        |
|             | 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                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306C91  
07-Jul-23

Client: Animas Environmental Services  
Project: BMG Hwy 537 2009 Release

|                 |                          |                                              |           |             |      |          |           |      |          |      |
|-----------------|--------------------------|----------------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-A | SampType: MBLK           | TestCode: EPA Method 200.7: Dissolved Metals |           |             |      |          |           |      |          |      |
| Client ID: PBW  | Batch ID: A97726         | RunNo: 97726                                 |           |             |      |          |           |      |          |      |
| Prep Date:      | Analysis Date: 6/27/2023 | SeqNo: 3554152 Units: mg/L                   |           |             |      |          |           |      |          |      |
| Analyte         | Result                   | PQL                                          | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Manganese       | ND                       | 0.0020                                       |           |             |      |          |           |      |          |      |

|                    |                          |                                              |           |             |      |          |           |      |          |      |
|--------------------|--------------------------|----------------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCSLL-A | SampType: LCSLL          | TestCode: EPA Method 200.7: Dissolved Metals |           |             |      |          |           |      |          |      |
| Client ID: BatchQC | Batch ID: A97726         | RunNo: 97726                                 |           |             |      |          |           |      |          |      |
| Prep Date:         | Analysis Date: 6/27/2023 | SeqNo: 3554153 Units: mg/L                   |           |             |      |          |           |      |          |      |
| Analyte            | Result                   | PQL                                          | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Manganese          | 0.0021                   | 0.0020                                       | 0.002000  | 0           | 103  | 50       | 150       |      |          |      |

|                  |                          |                                              |           |             |      |          |           |      |          |      |
|------------------|--------------------------|----------------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-A | SampType: LCS            | TestCode: EPA Method 200.7: Dissolved Metals |           |             |      |          |           |      |          |      |
| Client ID: LCSW  | Batch ID: A97726         | RunNo: 97726                                 |           |             |      |          |           |      |          |      |
| Prep Date:       | Analysis Date: 6/27/2023 | SeqNo: 3554154 Units: mg/L                   |           |             |      |          |           |      |          |      |
| Analyte          | Result                   | PQL                                          | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Manganese        | 0.49                     | 0.0020                                       | 0.5000    | 0           | 97.5 | 85       | 115       |      |          |      |

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of standard limits. If undiluted results may be estimated.
- B

Analyte detected in the associated Method Blank
- E

Above Quantitation Range/Estimated Value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2306C91

07-Jul-23

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

|                      |                          |                                          |             |             |      |          |           |      |          |      |
|----------------------|--------------------------|------------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-75921  | SampType: MBLK           | TestCode: Total Phenolics by SW-846 9067 |             |             |      |          |           |      |          |      |
| Client ID: PBW       | Batch ID: 75921          | RunNo: 97842                             |             |             |      |          |           |      |          |      |
| Prep Date: 6/29/2023 | Analysis Date: 6/29/2023 | SeqNo: 3558725                           | Units: µg/L |             |      |          |           |      |          |      |
| Analyte              | Result                   | PQL                                      | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Phenolics            | ND                       | 3.0                                      |             |             |      |          |           |      |          |      |

|                      |                          |                                          |             |             |      |          |           |      |          |      |
|----------------------|--------------------------|------------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-75921 | SampType: LCS            | TestCode: Total Phenolics by SW-846 9067 |             |             |      |          |           |      |          |      |
| Client ID: LCSW      | Batch ID: 75921          | RunNo: 97842                             |             |             |      |          |           |      |          |      |
| Prep Date: 6/29/2023 | Analysis Date: 6/29/2023 | SeqNo: 3558726                           | Units: µg/L |             |      |          |           |      |          |      |
| Analyte              | Result                   | PQL                                      | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Phenolics            | 15                       | 3.0                                      | 20.00       | 0           | 75.7 | 38.6     | 115       |      |          |      |

|                       |                          |                                          |             |             |      |          |           |      |          |      |
|-----------------------|--------------------------|------------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCSD-75921 | SampType: LCSD           | TestCode: Total Phenolics by SW-846 9067 |             |             |      |          |           |      |          |      |
| Client ID: LCSS02     | Batch ID: 75921          | RunNo: 97842                             |             |             |      |          |           |      |          |      |
| Prep Date: 6/29/2023  | Analysis Date: 6/29/2023 | SeqNo: 3558727                           | Units: µg/L |             |      |          |           |      |          |      |
| Analyte               | Result                   | PQL                                      | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Phenolics             | 14                       | 3.0                                      | 20.00       | 0           | 67.8 | 38.6     | 115       | 11.0 | 20       |      |

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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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 Services

Work Order Number: 2306C91

RcptNo: 1

Received By: Tracy Casarrubias 6/24/2023 7:45:00 AM

Completed By: Tracy Casarrubias 6/25/2023 8:03:32 AM

Reviewed By: DAD 6/26/23

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH: 4  
( $<2$  or  $>12$  unless noted)

Adjusted? NO

Checked by: SCM 06/26/23

### Special Handling (if applicable)

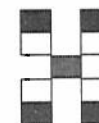
15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 5.3                     | Good      | Yes         | Yogi    |           |           |



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

## Chain-of-Custody Record

Client: **Animas Environmental Services**

Mailing Address: **PO Box 8**  
**Farmington, NM 87499-0008**

Phone #: 720-537-6650

Email or Fax#: aledgerwood@animasenvironmental.com

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

Accreditation:  
☐ NELAP ☐ Other \_\_\_\_\_

☐ EDD (Type) \_\_\_\_\_

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:  
**BMG Hwy 537 2009 Release**

Project #:

Project Manager:  
**Angela Ledgerwood**  
**Elizabeth McNally**

Sampler: J. Oyebi

On Ice: ☒ Yes ☐ No (log)

Sample Temperature: **02+0.1=5.3**

| Date          | Time        | Matrix                              | Sample Request ID     | Container Type and #               | Preservative Type                                                | HEAL No.       | Dissolved Mn (200.7/6010) | Phenols per SW846 9067                                                                                                                                                                                                                                                                       |  |  |  |  |  |  | Air Bubbles (Y or N) |
|---------------|-------------|-------------------------------------|-----------------------|------------------------------------|------------------------------------------------------------------|----------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|----------------------|
| 6-21-23       | 14:02       | H <sub>2</sub> O                    | MW-1                  | 1x1-L amber glass<br>1x125-mL HDPE | H <sub>2</sub> SO <sub>4</sub> , cool<br>HNO <sub>3</sub> , cool | 001            | X                         | X                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |                      |
| 6-21-23       | 13:21       | H <sub>2</sub> O                    | MW-5                  | 1x1-L amber glass<br>1x125-mL HDPE | H <sub>2</sub> SO <sub>4</sub> , cool<br>HNO <sub>3</sub> , cool | 002            | X                         | X                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |                      |
|               |             | <del>H<sub>2</sub>O</del>           | <del>Trip Blank</del> | <del>2-40ml VOA</del>              | <del>H<sub>2</sub>SO<sub>4</sub> cool</del>                      | <del>003</del> | <del>X</del>              | <del>X</del>                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |                      |
|               |             |                                     |                       |                                    |                                                                  |                |                           |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |
|               |             |                                     |                       |                                    |                                                                  |                |                           |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |
|               |             |                                     |                       |                                    |                                                                  |                |                           |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |
|               |             |                                     |                       |                                    |                                                                  |                |                           |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |
|               |             |                                     |                       |                                    |                                                                  |                |                           |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |
|               |             |                                     |                       |                                    |                                                                  |                |                           |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |
| Date: 6-23-23 | Time: 18:35 | Relinquished by: <i>[Signature]</i> |                       | Received by: <i>[Signature]</i>    |                                                                  | Date: 6/24/23  | Time: 7:45                | Remarks: Please bill direct to Benson-Montin-Greer bmg@bmgdrilling.com. Call with any questions.<br>Phenol/9067: 1x1-L amber glass bottle, H <sub>2</sub> SO <sub>4</sub> pH<2<br>Diss. Mn/200.7/6010: 1x125-mL HDPE bottle, HNO <sub>3</sub> - must be field-filtered prior to preservation |  |  |  |  |  |  |                      |
| Date:         | Time:       | Relinquished by:                    |                       | Received by:                       |                                                                  | Date:          | Time:                     |                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |                      |

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 noted 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](http://www.hallenvironmental.com)

September 21, 2023

Angela Todd  
Animas Environmental Services  
624 E. Comanche  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX:

RE: BMG Hwy 537 2009 Release

OrderNo.: 2309856

Dear Angela Todd:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/15/2023 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](http://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 qualifiers 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2309856

Date Reported: 9/21/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 9/13/2023 1:18:00 PM

Lab ID: 2309856-001

Matrix: AQUEOUS

Received Date: 9/15/2023 7:00:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: CCM |
| Benzene                            | 250    | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Toluene                            | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Ethylbenzene                       | 11     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Methyl tert-butyl ether (MTBE)     | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2,4-Trimethylbenzene             | 14     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,3,5-Trimethylbenzene             | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2-Dichloroethane (EDC)           | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2-Dibromoethane (EDB)            | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Naphthalene                        | ND     | 20  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1-Methylnaphthalene                | ND     | 40  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 2-Methylnaphthalene                | ND     | 40  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Acetone                            | ND     | 100 |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Bromobenzene                       | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Bromodichloromethane               | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Bromoform                          | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Bromomethane                       | ND     | 30  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 2-Butanone                         | ND     | 100 |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Carbon disulfide                   | ND     | 100 |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Carbon Tetrachloride               | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Chlorobenzene                      | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Chloroethane                       | ND     | 20  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Chloroform                         | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Chloromethane                      | ND     | 30  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 2-Chlorotoluene                    | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 4-Chlorotoluene                    | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| cis-1,2-DCE                        | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| cis-1,3-Dichloropropene            | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2-Dibromo-3-chloropropane        | ND     | 20  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Dibromochloromethane               | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Dibromomethane                     | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2-Dichlorobenzene                | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,3-Dichlorobenzene                | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,4-Dichlorobenzene                | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Dichlorodifluoromethane            | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,1-Dichloroethane                 | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,1-Dichloroethene                 | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2-Dichloropropane                | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,3-Dichloropropane                | ND     | 10  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 2,2-Dichloropropane                | ND     | 20  |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2309856

Date Reported: 9/21/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 9/13/2023 1:18:00 PM

Lab ID: 2309856-001

Matrix: AQUEOUS

Received Date: 9/15/2023 7:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: CCM |
| 1,1-Dichloropropene                | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Hexachlorobutadiene                | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 2-Hexanone                         | ND     | 100    |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Isopropylbenzene                   | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 4-Isopropyltoluene                 | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 4-Methyl-2-pentanone               | ND     | 100    |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Methylene Chloride                 | ND     | 30     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| n-Butylbenzene                     | ND     | 30     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| n-Propylbenzene                    | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| sec-Butylbenzene                   | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Styrene                            | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| tert-Butylbenzene                  | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,1,1,2-Tetrachloroethane          | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,1,2,2-Tetrachloroethane          | ND     | 20     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Tetrachloroethene (PCE)            | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| trans-1,2-DCE                      | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| trans-1,3-Dichloropropene          | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2,3-Trichlorobenzene             | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2,4-Trichlorobenzene             | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,1,1-Trichloroethane              | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,1,2-Trichloroethane              | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Trichloroethene (TCE)              | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Trichlorofluoromethane             | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| 1,2,3-Trichloropropane             | ND     | 20     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Vinyl chloride                     | ND     | 10     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Xylenes, Total                     | 15     | 15     |      | µg/L  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Surr: 1,2-Dichloroethane-d4        | 92.6   | 70-130 |      | %Rec  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Surr: 4-Bromofluorobenzene         | 101    | 70-130 |      | %Rec  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Surr: Dibromofluoromethane         | 95.7   | 70-130 |      | %Rec  | 10 | 9/18/2023 3:55:00 PM | R99760       |
| Surr: Toluene-d8                   | 101    | 70-130 |      | %Rec  | 10 | 9/18/2023 3:55:00 PM | R99760       |

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  | Above Quantitation Range/Estimated Value        |
|             | 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                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

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## Analytical Report

Lab Order 2309856

Date Reported: 9/21/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: BMG Hwy 537 2009 Release

Collection Date:

Lab ID: 2309856-002

Matrix: TRIP BLANK

Received Date: 9/15/2023 7:00:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                      | Analyst: CCM |
| Benzene                            | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Toluene                            | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2,4-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,3,5-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

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## Analytical Report

Lab Order 2309856

Date Reported: 9/21/2023

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: BMG Hwy 537 2009 Release

Collection Date:

Lab ID: 2309856-002

Matrix: TRIP BLANK

Received Date: 9/15/2023 7:00:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: CCM |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Xylenes, Total                     | ND     | 1.5    |      | µg/L  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Surr: 1,2-Dichloroethane-d4        | 98.4   | 70-130 |      | %Rec  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Surr: 4-Bromofluorobenzene         | 97.2   | 70-130 |      | %Rec  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Surr: Dibromofluoromethane         | 101    | 70-130 |      | %Rec  | 1  | 9/18/2023 3:30:00 PM | R99760       |
| Surr: Toluene-d8                   | 94.6   | 70-130 |      | %Rec  | 1  | 9/18/2023 3:30:00 PM | R99760       |

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  | Above Quantitation Range/Estimated Value        |
|             | 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                          |
|             | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|             | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|             |     |                                                                               |    |                                                 |

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## QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2309856

21-Sep-23

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

|                             |                          |                                       |             |             |      |          |           |      |          |      |
|-----------------------------|--------------------------|---------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: 100ng lcs        | SampType: LCS            | TestCode: EPA Method 8260B: VOLATILES |             |             |      |          |           |      |          |      |
| Client ID: LCSW             | Batch ID: R99760         | RunNo: 99760                          |             |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: 9/18/2023 | SeqNo: 3646201                        | Units: µg/L |             |      |          |           |      |          |      |
| Analyte                     | Result                   | PQL                                   | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | 20                       | 1.0                                   | 20.00       | 0           | 101  | 70       | 130       |      |          |      |
| Toluene                     | 21                       | 1.0                                   | 20.00       | 0           | 104  | 70       | 130       |      |          |      |
| Chlorobenzene               | 21                       | 1.0                                   | 20.00       | 0           | 106  | 70       | 130       |      |          |      |
| 1,1-Dichloroethene          | 19                       | 1.0                                   | 20.00       | 0           | 95.8 | 70       | 130       |      |          |      |
| Trichloroethene (TCE)       | 19                       | 1.0                                   | 20.00       | 0           | 96.2 | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.0                      |                                       | 10.00       |             | 89.9 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                       |                                       | 10.00       |             | 101  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.5                      |                                       | 10.00       |             | 95.0 | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.4                      |                                       | 10.00       |             | 94.1 | 70       | 130       |      |          |      |

|                                |                          |                                       |             |             |      |          |           |      |          |      |
|--------------------------------|--------------------------|---------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: mb                  | SampType: MBLK           | TestCode: EPA Method 8260B: VOLATILES |             |             |      |          |           |      |          |      |
| Client ID: PBW                 | Batch ID: R99760         | RunNo: 99760                          |             |             |      |          |           |      |          |      |
| Prep Date:                     | Analysis Date: 9/18/2023 | SeqNo: 3647392                        | 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                                   |             |             |      |          |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Naphthalene                    | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| 1-Methylnaphthalene            | ND                       | 4.0                                   |             |             |      |          |           |      |          |      |
| 2-Methylnaphthalene            | ND                       | 4.0                                   |             |             |      |          |           |      |          |      |
| Acetone                        | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Bromobenzene                   | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Bromodichloromethane           | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Bromoform                      | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Bromomethane                   | ND                       | 3.0                                   |             |             |      |          |           |      |          |      |
| 2-Butanone                     | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Carbon disulfide               | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Carbon Tetrachloride           | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Chlorobenzene                  | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Chloroethane                   | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| Chloroform                     | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Chloromethane                  | ND                       | 3.0                                   |             |             |      |          |           |      |          |      |
| 2-Chlorotoluene                | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 5 of 7

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2309856  
21-Sep-23

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

|                             |                          |                                       |             |             |      |          |           |      |          |      |
|-----------------------------|--------------------------|---------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: mb               | SampType: MBLK           | TestCode: EPA Method 8260B: VOLATILES |             |             |      |          |           |      |          |      |
| Client ID: PBW              | Batch ID: R99760         | RunNo: 99760                          |             |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: 9/18/2023 | SeqNo: 3647392                        | Units: µg/L |             |      |          |           |      |          |      |
| Analyte                     | Result                   | PQL                                   | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene             | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| cis-1,2-DCE                 | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| Dibromochloromethane        | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Dibromomethane              | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Dichlorodifluoromethane     | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,1-Dichloroethane          | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,1-Dichloroethene          | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2-Dichloropropane         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,3-Dichloropropane         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 2,2-Dichloropropane         | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| 1,1-Dichloropropene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Hexachlorobutadiene         | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 2-Hexanone                  | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Isopropylbenzene            | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 4-Isopropyltoluene          | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                       | 10                                    |             |             |      |          |           |      |          |      |
| Methylene Chloride          | ND                       | 3.0                                   |             |             |      |          |           |      |          |      |
| n-Butylbenzene              | ND                       | 3.0                                   |             |             |      |          |           |      |          |      |
| n-Propylbenzene             | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| sec-Butylbenzene            | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Styrene                     | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| tert-Butylbenzene           | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| trans-1,2-DCE               | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Trichloroethene (TCE)       | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| Trichlorofluoromethane      | ND                       | 1.0                                   |             |             |      |          |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                       | 2.0                                   |             |             |      |          |           |      |          |      |

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2309856

21-Sep-23

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

|                             |                                 |     |                                              |             |                    |          |           |      |          |      |
|-----------------------------|---------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>           |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
| Client ID: <b>PBW</b>       | Batch ID: <b>R99760</b>         |     | RunNo: <b>99760</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>9/18/2023</b> |     | SeqNo: <b>3647392</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                     | Result                          | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride              | ND                              | 1.0 |                                              |             |                    |          |           |      |          |      |
| Xylenes, Total              | ND                              | 1.5 |                                              |             |                    |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.3                             |     | 10.00                                        |             | 93.0               | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 9.7                             |     | 10.00                                        |             | 96.8               | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.3                             |     | 10.00                                        |             | 92.7               | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.1                             |     | 10.00                                        |             | 91.3               | 70       | 130       |      |          |      |

|                                  |                                 |     |                                              |             |                    |          |           |      |          |      |
|----------------------------------|---------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>2309856-001ams</b> | SampType: <b>MS</b>             |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |      |          |      |
| Client ID: <b>MW-1</b>           | Batch ID: <b>R99760</b>         |     | RunNo: <b>99760</b>                          |             |                    |          |           |      |          |      |
| Prep Date:                       | Analysis Date: <b>9/18/2023</b> |     | SeqNo: <b>3647395</b>                        |             | Units: <b>µg/L</b> |          |           |      |          |      |
| Analyte                          | Result                          | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                          | 470                             | 10  | 200.0                                        | 246.3       | 109                | 70       | 130       |      |          |      |
| Toluene                          | 210                             | 10  | 200.0                                        | 0           | 103                | 70       | 130       |      |          |      |
| Chlorobenzene                    | 210                             | 10  | 200.0                                        | 0           | 103                | 70       | 130       |      |          |      |
| 1,1-Dichloroethene               | 200                             | 10  | 200.0                                        | 0           | 99.3               | 70       | 130       |      |          |      |
| Trichloroethene (TCE)            | 200                             | 10  | 200.0                                        | 0           | 100                | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4      | 91                              |     | 100.0                                        |             | 90.7               | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene       | 100                             |     | 100.0                                        |             | 101                | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane       | 97                              |     | 100.0                                        |             | 96.7               | 70       | 130       |      |          |      |
| Surr: Toluene-d8                 | 100                             |     | 100.0                                        |             | 100                | 70       | 130       |      |          |      |

|                                   |                                 |     |                                              |             |                    |          |           |       |          |      |
|-----------------------------------|---------------------------------|-----|----------------------------------------------|-------------|--------------------|----------|-----------|-------|----------|------|
| Sample ID: <b>2309856-001amsd</b> | SampType: <b>MSD</b>            |     | TestCode: <b>EPA Method 8260B: VOLATILES</b> |             |                    |          |           |       |          |      |
| Client ID: <b>MW-1</b>            | Batch ID: <b>R99760</b>         |     | RunNo: <b>99760</b>                          |             |                    |          |           |       |          |      |
| Prep Date:                        | Analysis Date: <b>9/18/2023</b> |     | SeqNo: <b>3647396</b>                        |             | Units: <b>µg/L</b> |          |           |       |          |      |
| Analyte                           | Result                          | PQL | SPK value                                    | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD  | RPDLimit | Qual |
| Benzene                           | 440                             | 10  | 200.0                                        | 246.3       | 98.1               | 70       | 130       | 4.97  | 20       |      |
| Toluene                           | 200                             | 10  | 200.0                                        | 0           | 101                | 70       | 130       | 1.59  | 20       |      |
| Chlorobenzene                     | 210                             | 10  | 200.0                                        | 0           | 103                | 70       | 130       | 0.650 | 20       |      |
| 1,1-Dichloroethene                | 180                             | 10  | 200.0                                        | 0           | 91.9               | 70       | 130       | 7.75  | 20       |      |
| Trichloroethene (TCE)             | 190                             | 10  | 200.0                                        | 0           | 94.8               | 70       | 130       | 5.63  | 20       |      |
| Surr: 1,2-Dichloroethane-d4       | 91                              |     | 100.0                                        |             | 91.1               | 70       | 130       | 0     | 0        |      |
| Surr: 4-Bromofluorobenzene        | 100                             |     | 100.0                                        |             | 102                | 70       | 130       | 0     | 0        |      |
| Surr: Dibromofluoromethane        | 93                              |     | 100.0                                        |             | 93.1               | 70       | 130       | 0     | 0        |      |
| Surr: Toluene-d8                  | 100                             |     | 100.0                                        |             | 102                | 70       | 130       | 0     | 0        |      |

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 7 of 7





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 Services

Work Order Number: 2309856

RcptNo: 1

Received By: Tracy Casarrubias 9/15/2023 7:00:00 AM

Completed By: Tracy Casarrubias 9/15/2023 10:51:36 AM

Reviewed By: *SCM 9/18/23*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☒ No ☒ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: *SCM 9/18/23* ☒  
( $<2$  or  $>12$  unless noted)  
Adjusted? *SCM 9/18/23*  
Checked by: *SCM 9/18/23*

### Special Handling (if applicable)

15. 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: \_\_\_\_\_

16. Additional remarks: *SAMPLE CO2A RECEIVED WITH AIR BUBBLES. SCM 9/18/23*

### 17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 2.7                     | Good      | Yes         | Morty   |           |           |





Environment Testing

Eurofins Environment Testing South  
Central, LLC  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

January 09, 2024

Angela Todd

Animas Environmental Services

624 E. Comanche

Farmington, NM 87401

TEL: (505) 564-2281

FAX:

RE: BMG Hwy 537 2009 Release

OrderNo.: 2312921

Dear Angela Todd:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/15/2023 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](http://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 qualifiers 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2312921

Date Reported: 1/9/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 12/13/2023 1:49:00 PM

Lab ID: 2312921-001

Matrix: AQUEOUS

Received Date: 12/15/2023 6:50:00 AM

| Analyses                                   | Result | RL  | Qual | Units | DF | Date Analyzed          | Batch               |
|--------------------------------------------|--------|-----|------|-------|----|------------------------|---------------------|
| <b>EPA METHOD 300.0: ANIONS</b>            |        |     |      |       |    |                        | Analyst: <b>RBC</b> |
| Sulfate                                    | 1700   | 25  | *    | mg/L  | 50 | 1/8/2024 8:33:20 PM    | R102312             |
| <b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b> |        |     |      |       |    |                        | Analyst: <b>KS</b>  |
| Total Dissolved Solids                     | 3120   | 100 | *D   | mg/L  | 1  | 12/22/2023 11:46:00 AM | 79519               |
| <b>EPA METHOD 8260B: VOLATILES</b>         |        |     |      |       |    |                        | Analyst: <b>RAA</b> |
| Benzene                                    | 300    | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Toluene                                    | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Ethylbenzene                               | 13     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Methyl tert-butyl ether (MTBE)             | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,2,4-Trimethylbenzene                     | 16     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,3,5-Trimethylbenzene                     | 13     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,2-Dichloroethane (EDC)                   | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,2-Dibromoethane (EDB)                    | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Naphthalene                                | ND     | 10  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1-Methylnaphthalene                        | ND     | 20  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 2-Methylnaphthalene                        | ND     | 20  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Acetone                                    | ND     | 50  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Bromobenzene                               | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Bromodichloromethane                       | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Bromoform                                  | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Bromomethane                               | ND     | 15  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 2-Butanone                                 | ND     | 50  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Carbon disulfide                           | ND     | 50  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Carbon Tetrachloride                       | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Chlorobenzene                              | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Chloroethane                               | ND     | 10  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Chloroform                                 | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Chloromethane                              | ND     | 15  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 2-Chlorotoluene                            | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 4-Chlorotoluene                            | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| cis-1,2-DCE                                | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| cis-1,3-Dichloropropene                    | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,2-Dibromo-3-chloropropane                | ND     | 10  |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Dibromochloromethane                       | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Dibromomethane                             | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,2-Dichlorobenzene                        | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,3-Dichlorobenzene                        | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| 1,4-Dichlorobenzene                        | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |
| Dichlorodifluoromethane                    | ND     | 5.0 |      | µg/L  | 5  | 12/24/2023 9:09:00 PM  | R102066             |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |
|                    |     |                                                                               |    |                                                 |

## Analytical Report

Lab Order 2312921

Date Reported: 1/9/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: BMG Hwy 537 2009 Release

Collection Date: 12/13/2023 1:49:00 PM

Lab ID: 2312921-001

Matrix: AQUEOUS

Received Date: 12/15/2023 6:50:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|-------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                       | Analyst: RAA |
| 1,1-Dichloroethane                 | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,1-Dichloroethene                 | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,2-Dichloropropane                | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,3-Dichloropropane                | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 2,2-Dichloropropane                | ND     | 10     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,1-Dichloropropene                | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Hexachlorobutadiene                | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 2-Hexanone                         | ND     | 50     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Isopropylbenzene                   | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 4-Isopropyltoluene                 | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 4-Methyl-2-pentanone               | ND     | 50     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Methylene Chloride                 | ND     | 15     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| n-Butylbenzene                     | ND     | 15     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| n-Propylbenzene                    | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| sec-Butylbenzene                   | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Styrene                            | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| tert-Butylbenzene                  | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,1,1,2-Tetrachloroethane          | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,1,2,2-Tetrachloroethane          | ND     | 10     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Tetrachloroethene (PCE)            | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| trans-1,2-DCE                      | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| trans-1,3-Dichloropropene          | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,2,3-Trichlorobenzene             | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,2,4-Trichlorobenzene             | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,1,1-Trichloroethane              | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,1,2-Trichloroethane              | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Trichloroethene (TCE)              | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Trichlorofluoromethane             | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| 1,2,3-Trichloropropane             | ND     | 10     |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Vinyl chloride                     | ND     | 5.0    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Xylenes, Total                     | 13     | 7.5    |      | µg/L  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Surr: 1,2-Dichloroethane-d4        | 87.3   | 70-130 |      | %Rec  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Surr: 4-Bromofluorobenzene         | 106    | 70-130 |      | %Rec  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Surr: Dibromofluoromethane         | 98.8   | 70-130 |      | %Rec  | 5  | 12/24/2023 9:09:00 PM | R102066      |
| Surr: Toluene-d8                   | 103    | 70-130 |      | %Rec  | 5  | 12/24/2023 9:09:00 PM | R102066      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |



## Analytical Report

Lab Order 2312921

Date Reported: 1/9/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: BMG Hwy 537 2009 Release

Collection Date:

Lab ID: 2312921-002

Matrix: TRIP BLANK

Received Date: 12/15/2023 6:50:00 AM

| Analyses                           | Result | RL  | Qual | Units | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|-----|------|-------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |     |      |       |    |                       | Analyst: RAA |
| Benzene                            | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Toluene                            | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Ethylbenzene                       | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Methyl tert-butyl ether (MTBE)     | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2,4-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,3,5-Trimethylbenzene             | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2-Dichloroethane (EDC)           | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2-Dibromoethane (EDB)            | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Naphthalene                        | ND     | 2.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 2-Methylnaphthalene                | ND     | 4.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Acetone                            | ND     | 10  |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Bromobenzene                       | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Bromodichloromethane               | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Bromoform                          | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Bromomethane                       | ND     | 3.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 2-Butanone                         | ND     | 10  |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Carbon disulfide                   | ND     | 10  |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Carbon Tetrachloride               | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Chlorobenzene                      | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Chloroethane                       | ND     | 2.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Chloroform                         | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Chloromethane                      | ND     | 3.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 2-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 4-Chlorotoluene                    | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| cis-1,2-DCE                        | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| cis-1,3-Dichloropropene            | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2-Dibromo-3-chloropropane        | ND     | 2.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Dibromochloromethane               | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Dibromomethane                     | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,3-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,4-Dichlorobenzene                | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Dichlorodifluoromethane            | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,1-Dichloroethane                 | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,1-Dichloroethene                 | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,3-Dichloropropane                | ND     | 1.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 2,2-Dichloropropane                | ND     | 2.0 |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

## Analytical Report

Lab Order 2312921

Date Reported: 1/9/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: BMG Hwy 537 2009 Release

Collection Date:

Lab ID: 2312921-002

Matrix: TRIP BLANK

Received Date: 12/15/2023 6:50:00 AM

| Analyses                           | Result | RL     | Qual | Units | DF | Date Analyzed         | Batch        |
|------------------------------------|--------|--------|------|-------|----|-----------------------|--------------|
| <b>EPA METHOD 8260B: VOLATILES</b> |        |        |      |       |    |                       | Analyst: RAA |
| 1,1-Dichloropropene                | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Hexachlorobutadiene                | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 2-Hexanone                         | ND     | 10     |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Isopropylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 4-Isopropyltoluene                 | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 4-Methyl-2-pentanone               | ND     | 10     |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Methylene Chloride                 | ND     | 3.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| n-Butylbenzene                     | ND     | 3.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| n-Propylbenzene                    | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| sec-Butylbenzene                   | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Styrene                            | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| tert-Butylbenzene                  | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,1,1,2-Tetrachloroethane          | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,1,2,2-Tetrachloroethane          | ND     | 2.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Tetrachloroethene (PCE)            | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| trans-1,2-DCE                      | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| trans-1,3-Dichloropropene          | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2,3-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2,4-Trichlorobenzene             | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,1,1-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,1,2-Trichloroethane              | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Trichloroethene (TCE)              | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Trichlorofluoromethane             | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| 1,2,3-Trichloropropane             | ND     | 2.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Vinyl chloride                     | ND     | 1.0    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Xylenes, Total                     | ND     | 1.5    |      | µg/L  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Surr: 1,2-Dichloroethane-d4        | 88.5   | 70-130 |      | %Rec  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Surr: 4-Bromofluorobenzene         | 102    | 70-130 |      | %Rec  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Surr: Dibromofluoromethane         | 99.6   | 70-130 |      | %Rec  | 1  | 12/24/2023 9:33:00 PM | R102066      |
| Surr: Toluene-d8                   | 93.5   | 70-130 |      | %Rec  | 1  | 12/24/2023 9:33:00 PM | R102066      |

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

|                    |     |                                                                               |    |                                                 |
|--------------------|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| <b>Qualifiers:</b> | *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
|                    | D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
|                    | 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                          |
|                    | PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
|                    | S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312921

09-Jan-24

**Client:** Animas Environmental Services**Project:** BMG Hwy 537 2009 Release

|                       |                                |      |                                           |             |                    |          |           |      |          |      |
|-----------------------|--------------------------------|------|-------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>MB</b>  | SampType: <b>MBLK</b>          |      | TestCode: <b>EPA Method 300.0: Anions</b> |             |                    |          |           |      |          |      |
| Client ID: <b>PBW</b> | Batch ID: <b>R102312</b>       |      | RunNo: <b>102312</b>                      |             |                    |          |           |      |          |      |
| Prep Date:            | Analysis Date: <b>1/8/2024</b> |      | SeqNo: <b>3778112</b>                     |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte               | Result                         | PQL  | SPK value                                 | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sulfate               | ND                             | 0.50 |                                           |             |                    |          |           |      |          |      |

|                        |                                |      |                                           |             |                    |          |           |      |          |      |
|------------------------|--------------------------------|------|-------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>LCS</b>  | SampType: <b>LCS</b>           |      | TestCode: <b>EPA Method 300.0: Anions</b> |             |                    |          |           |      |          |      |
| Client ID: <b>LCSW</b> | Batch ID: <b>R102312</b>       |      | RunNo: <b>102312</b>                      |             |                    |          |           |      |          |      |
| Prep Date:             | Analysis Date: <b>1/8/2024</b> |      | SeqNo: <b>3778113</b>                     |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte                | Result                         | PQL  | SPK value                                 | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sulfate                | 9.4                            | 0.50 | 10.00                                     | 0           | 94.3               | 90       | 110       |      |          |      |

|                       |                                |      |                                           |             |                    |          |           |      |          |      |
|-----------------------|--------------------------------|------|-------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>MB</b>  | SampType: <b>MBLK</b>          |      | TestCode: <b>EPA Method 300.0: Anions</b> |             |                    |          |           |      |          |      |
| Client ID: <b>PBW</b> | Batch ID: <b>R102312</b>       |      | RunNo: <b>102312</b>                      |             |                    |          |           |      |          |      |
| Prep Date:            | Analysis Date: <b>1/8/2024</b> |      | SeqNo: <b>3778166</b>                     |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte               | Result                         | PQL  | SPK value                                 | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sulfate               | ND                             | 0.50 |                                           |             |                    |          |           |      |          |      |

|                        |                                |      |                                           |             |                    |          |           |      |          |      |
|------------------------|--------------------------------|------|-------------------------------------------|-------------|--------------------|----------|-----------|------|----------|------|
| Sample ID: <b>LCS</b>  | SampType: <b>LCS</b>           |      | TestCode: <b>EPA Method 300.0: Anions</b> |             |                    |          |           |      |          |      |
| Client ID: <b>LCSW</b> | Batch ID: <b>R102312</b>       |      | RunNo: <b>102312</b>                      |             |                    |          |           |      |          |      |
| Prep Date:             | Analysis Date: <b>1/8/2024</b> |      | SeqNo: <b>3778167</b>                     |             | Units: <b>mg/L</b> |          |           |      |          |      |
| Analyte                | Result                         | PQL  | SPK value                                 | SPK Ref Val | %REC               | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sulfate                | 9.4                            | 0.50 | 10.00                                     | 0           | 94.2               | 90       | 110       |      |          |      |

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank  
E Above Quantitation Range/Estimated Value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312921  
09-Jan-24

Client: Animas Environmental Services  
Project: BMG Hwy 537 2009 Release

|                             |                           |                                       |           |             |      |          |           |      |          |      |
|-----------------------------|---------------------------|---------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: 100ng lcs        | SampType: LCS             | TestCode: EPA Method 8260B: VOLATILES |           |             |      |          |           |      |          |      |
| Client ID: LCSW             | Batch ID: R102066         | RunNo: 102066                         |           |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: 12/24/2023 | SeqNo: 3767183 Units: µg/L            |           |             |      |          |           |      |          |      |
| Analyte                     | Result                    | PQL                                   | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                     | 19                        | 1.0                                   | 20.00     | 0           | 95.8 | 70       | 130       |      |          |      |
| Toluene                     | 19                        | 1.0                                   | 20.00     | 0           | 93.8 | 70       | 130       |      |          |      |
| Chlorobenzene               | 19                        | 1.0                                   | 20.00     | 0           | 94.9 | 70       | 130       |      |          |      |
| 1,1-Dichloroethene          | 18                        | 1.0                                   | 20.00     | 0           | 89.8 | 70       | 130       |      |          |      |
| Trichloroethene (TCE)       | 18                        | 1.0                                   | 20.00     | 0           | 88.2 | 70       | 130       |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.1                       |                                       | 10.00     |             | 91.3 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                        |                                       | 10.00     |             | 103  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 9.9                       |                                       | 10.00     |             | 98.9 | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.8                       |                                       | 10.00     |             | 97.8 | 70       | 130       |      |          |      |

|                                |                           |                                       |           |             |      |          |           |      |          |      |
|--------------------------------|---------------------------|---------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: mb                  | SampType: MBLK            | TestCode: EPA Method 8260B: VOLATILES |           |             |      |          |           |      |          |      |
| Client ID: PBW                 | Batch ID: R102066         | RunNo: 102066                         |           |             |      |          |           |      |          |      |
| Prep Date:                     | Analysis Date: 12/24/2023 | SeqNo: 3767184 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                                   |           |             |      |          |           |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| 1,2,4-Trimethylbenzene         | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| 1,3,5-Trimethylbenzene         | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| 1,2-Dichloroethane (EDC)       | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| 1,2-Dibromoethane (EDB)        | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Naphthalene                    | ND                        | 2.0                                   |           |             |      |          |           |      |          |      |
| 1-Methylnaphthalene            | ND                        | 4.0                                   |           |             |      |          |           |      |          |      |
| 2-Methylnaphthalene            | ND                        | 4.0                                   |           |             |      |          |           |      |          |      |
| Acetone                        | ND                        | 10                                    |           |             |      |          |           |      |          |      |
| Bromobenzene                   | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Bromodichloromethane           | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Bromoform                      | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Bromomethane                   | ND                        | 3.0                                   |           |             |      |          |           |      |          |      |
| 2-Butanone                     | ND                        | 10                                    |           |             |      |          |           |      |          |      |
| Carbon disulfide               | ND                        | 10                                    |           |             |      |          |           |      |          |      |
| Carbon Tetrachloride           | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Chlorobenzene                  | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Chloroethane                   | ND                        | 2.0                                   |           |             |      |          |           |      |          |      |
| Chloroform                     | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Chloromethane                  | ND                        | 3.0                                   |           |             |      |          |           |      |          |      |
| 2-Chlorotoluene                | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |

Qualifiers:

\*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.

B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

## QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312921

09-Jan-24

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

| Sample ID: <b>mb</b>        | SampType: <b>MBLK</b>            |     |           | TestCode: <b>EPA Method 8260B: VOLATILES</b> |      |                    |           |      |          |      |
|-----------------------------|----------------------------------|-----|-----------|----------------------------------------------|------|--------------------|-----------|------|----------|------|
| Client ID: <b>PBW</b>       | Batch ID: <b>R102066</b>         |     |           | RunNo: <b>102066</b>                         |      |                    |           |      |          |      |
| Prep Date:                  | Analysis Date: <b>12/24/2023</b> |     |           | SeqNo: <b>3767184</b>                        |      | Units: <b>µg/L</b> |           |      |          |      |
| Analyte                     | Result                           | PQL | SPK value | SPK Ref Val                                  | %REC | LowLimit           | HighLimit | %RPD | RPDLimit | Qual |
| 4-Chlorotoluene             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,2-DCE                 | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| cis-1,3-Dichloropropene     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dibromo-3-chloropropane | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Dibromochloromethane        | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dibromomethane              | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichlorobenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichlorobenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,4-Dichlorobenzene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Dichlorodifluoromethane     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethane          | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloroethene          | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2-Dichloropropane         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,3-Dichloropropane         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2,2-Dichloropropane         | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| 1,1-Dichloropropene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Hexachlorobutadiene         | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 2-Hexanone                  | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Isopropylbenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Isopropyltoluene          | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 4-Methyl-2-pentanone        | ND                               | 10  |           |                                              |      |                    |           |      |          |      |
| Methylene Chloride          | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Butylbenzene              | ND                               | 3.0 |           |                                              |      |                    |           |      |          |      |
| n-Propylbenzene             | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| sec-Butylbenzene            | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Styrene                     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| tert-Butylbenzene           | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1,2-Tetrachloroethane   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2,2-Tetrachloroethane   | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |
| Tetrachloroethene (PCE)     | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,2-DCE               | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| trans-1,3-Dichloropropene   | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichlorobenzene      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,4-Trichlorobenzene      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,1-Trichloroethane       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,1,2-Trichloroethane       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichloroethene (TCE)       | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| Trichlorofluoromethane      | ND                               | 1.0 |           |                                              |      |                    |           |      |          |      |
| 1,2,3-Trichloropropane      | ND                               | 2.0 |           |                                              |      |                    |           |      |          |      |

## Qualifiers:

|     |                                                                               |    |                                                 |
|-----|-------------------------------------------------------------------------------|----|-------------------------------------------------|
| *   | Value exceeds Maximum Contaminant Level.                                      | B  | Analyte detected in the associated Method Blank |
| D   | Sample Diluted Due to Matrix                                                  | E  | Above Quantitation Range/Estimated Value        |
| 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                          |
| PQL | Practical Quantitative Limit                                                  | RL | Reporting Limit                                 |
| S   | % Recovery outside of standard limits. If undiluted results may be estimated. |    |                                                 |



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312921

09-Jan-24

Client: Animas Environmental Services

Project: BMG Hwy 537 2009 Release

|                             |                           |                                       |           |             |      |          |           |      |          |      |
|-----------------------------|---------------------------|---------------------------------------|-----------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: mb               | SampType: MBLK            | TestCode: EPA Method 8260B: VOLATILES |           |             |      |          |           |      |          |      |
| Client ID: PBW              | Batch ID: R102066         | RunNo: 102066                         |           |             |      |          |           |      |          |      |
| Prep Date:                  | Analysis Date: 12/24/2023 | SeqNo: 3767184 Units: µg/L            |           |             |      |          |           |      |          |      |
| Analyte                     | Result                    | PQL                                   | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Vinyl chloride              | ND                        | 1.0                                   |           |             |      |          |           |      |          |      |
| Xylenes, Total              | ND                        | 1.5                                   |           |             |      |          |           |      |          |      |
| Surr: 1,2-Dichloroethane-d4 | 9.1                       |                                       | 10.00     |             | 91.0 | 70       | 130       |      |          |      |
| Surr: 4-Bromofluorobenzene  | 10                        |                                       | 10.00     |             | 103  | 70       | 130       |      |          |      |
| Surr: Dibromofluoromethane  | 10                        |                                       | 10.00     |             | 100  | 70       | 130       |      |          |      |
| Surr: Toluene-d8            | 9.7                       |                                       | 10.00     |             | 97.3 | 70       | 130       |      |          |      |

- Qualifiers:
- \*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.
- B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 231292109-Jan-24

Client: Animas Environmental Services  
Project: BMG Hwy 537 2009 Release

|                        |                           |                                               |             |             |      |          |           |      |          |      |
|------------------------|---------------------------|-----------------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-79519    | SampType: MBLK            | TestCode: SM2540C MOD: Total Dissolved Solids |             |             |      |          |           |      |          |      |
| Client ID: PBW         | Batch ID: 79519           | RunNo: 102043                                 |             |             |      |          |           |      |          |      |
| Prep Date: 12/20/2023  | Analysis Date: 12/22/2023 | SeqNo: 3765883                                | Units: mg/L |             |      |          |           |      |          |      |
| Analyte                | Result                    | PQL                                           | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | ND                        | 50.0                                          |             |             |      |          |           |      |          |      |

|                        |                           |                                               |             |             |      |          |           |      |          |      |
|------------------------|---------------------------|-----------------------------------------------|-------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-79519   | SampType: LCS             | TestCode: SM2540C MOD: Total Dissolved Solids |             |             |      |          |           |      |          |      |
| Client ID: LCSW        | Batch ID: 79519           | RunNo: 102043                                 |             |             |      |          |           |      |          |      |
| Prep Date: 12/20/2023  | Analysis Date: 12/22/2023 | SeqNo: 3765884                                | Units: mg/L |             |      |          |           |      |          |      |
| Analyte                | Result                    | PQL                                           | SPK value   | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | 1020                      | 50.0                                          | 1000        | 0           | 102  | 80       | 120       |      |          |      |

Qualifiers:

\*

Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

H

Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitative Limit

S

% Recovery outside of standard limits. If undiluted results may be estimated.

B

Analyte detected in the associated Method Blank

E

Above Quantitation Range/Estimated Value

J

Analyte detected below quantitation limits

P

Sample pH Not In Range

RL

Reporting Limit



Environment Testin

Eurofins Environment Testing South  
Central, LLC

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: 2312921

RcptNo: 1

Received By: Tracy Casarrubias 12/15/2023 6:50:00 AM

Completed By: Tracy Casarrubias 12/15/2023 10:23:18 AM

Reviewed By: SCU 12/15/23

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☒ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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: ju 12/15/23

### Special Handling (if applicable)

15. 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: \_\_\_\_\_

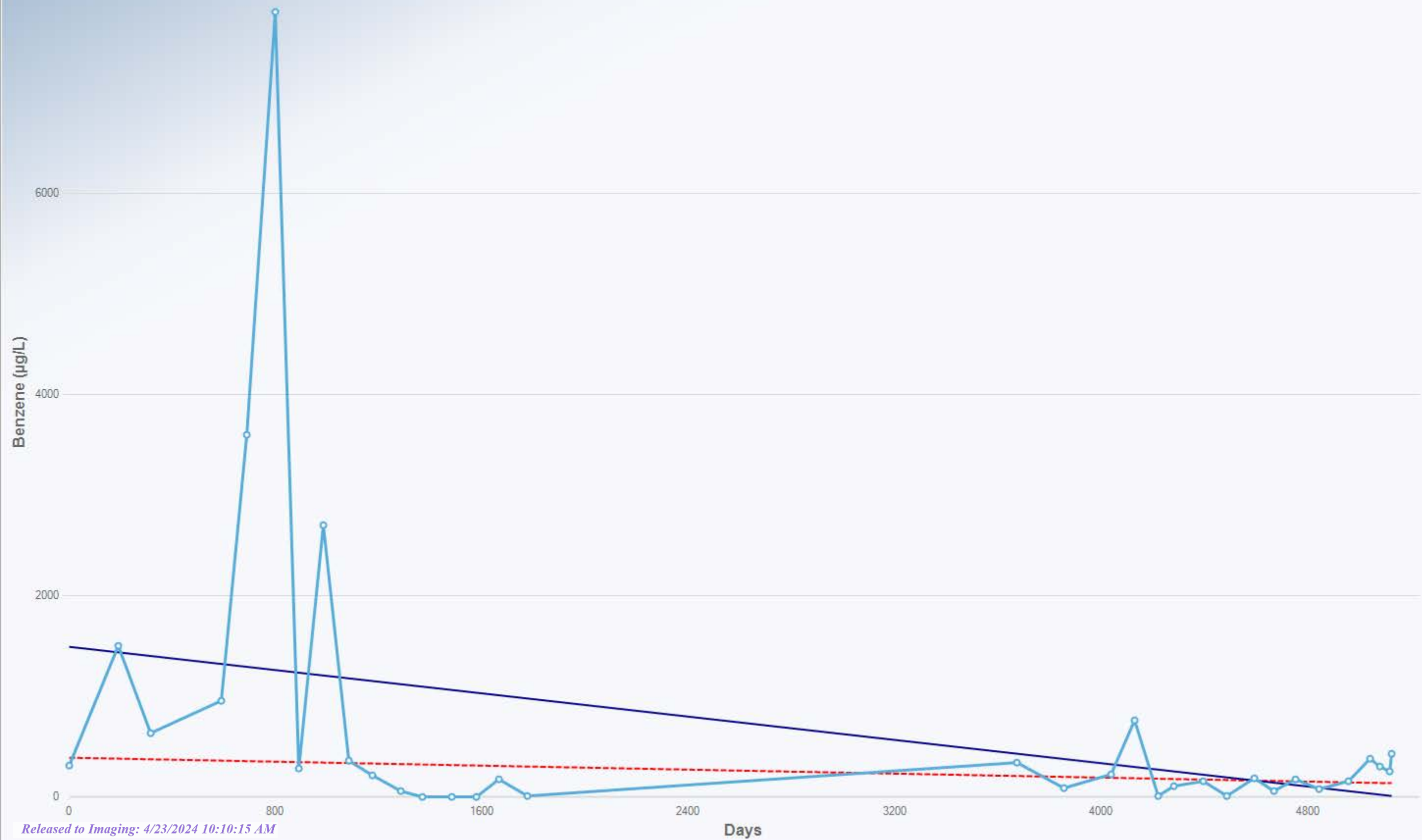
16. Additional remarks:

### 17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1         | 1.8     | Good      | Yes         | Morty   |           |           |



Mann-Kendall Trend Test: Benzene at MW-1



| Mann-Kendall Trend Analysis                                                                      |            |
|--------------------------------------------------------------------------------------------------|------------|
| n                                                                                                | 33         |
| Confidence Coefficient                                                                           | 0.9500     |
| Level of Significance                                                                            | 0.0500     |
| Standard Deviation of S                                                                          | 64.5084    |
| Standardized Value of S                                                                          | -1.3797    |
| M-K Test Value (S)                                                                               | -90        |
| Appx. Critical Value (0.05)                                                                      | -1.6449    |
| Approximate p-value                                                                              | 0.0838     |
| OLS Regression Line (Blue)                                                                       |            |
| OLS Regression Slope                                                                             | -0.2897    |
| OLS Regression Intercept                                                                         | 1,493.8284 |
| Theil-Sen Trend Line (Red)                                                                       |            |
| Theil-Sen Slope                                                                                  | -0.0484    |
| Theil-Sen Intercept                                                                              | 387.7141   |
| Insufficient statistical evidence of a significant trend at the specified level of significance. |            |



|    | A                                                                       | B | C | D      | E                               | F | G | H | I | J | K | L |                 |
|----|-------------------------------------------------------------------------|---|---|--------|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |        |                                 |   |   |   |   |   |   |   | Page 108 of 124 |
| 2  | User Selected Options                                                   |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   |        | ProUCL 5.2 1/25/2024 4:04:46 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   |        | MW-1 BTEX 2009 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   |        | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   |        | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   |        | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 9  | Benzene (µg/L)                                                          |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 33     |                                 |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0      |                                 |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 33     |                                 |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 33     |                                 |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 1.2    |                                 |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 7800   |                                 |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 676.5  |                                 |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 150.8  |                                 |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 210    |                                 |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 1493   |                                 |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 2.207  |                                 |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -90    |                                 |   |   |   |   |   |   |   |                 |
| 26 | Critical Value (0.05)                                                   |   |   | -1.645 |                                 |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 64.51  |                                 |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -1.38  |                                 |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.0838 |                                 |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |        |                                 |   |   |   |   |   |   |   |                 |

Mann-Kendall Trend Test: Benzene at MW-1

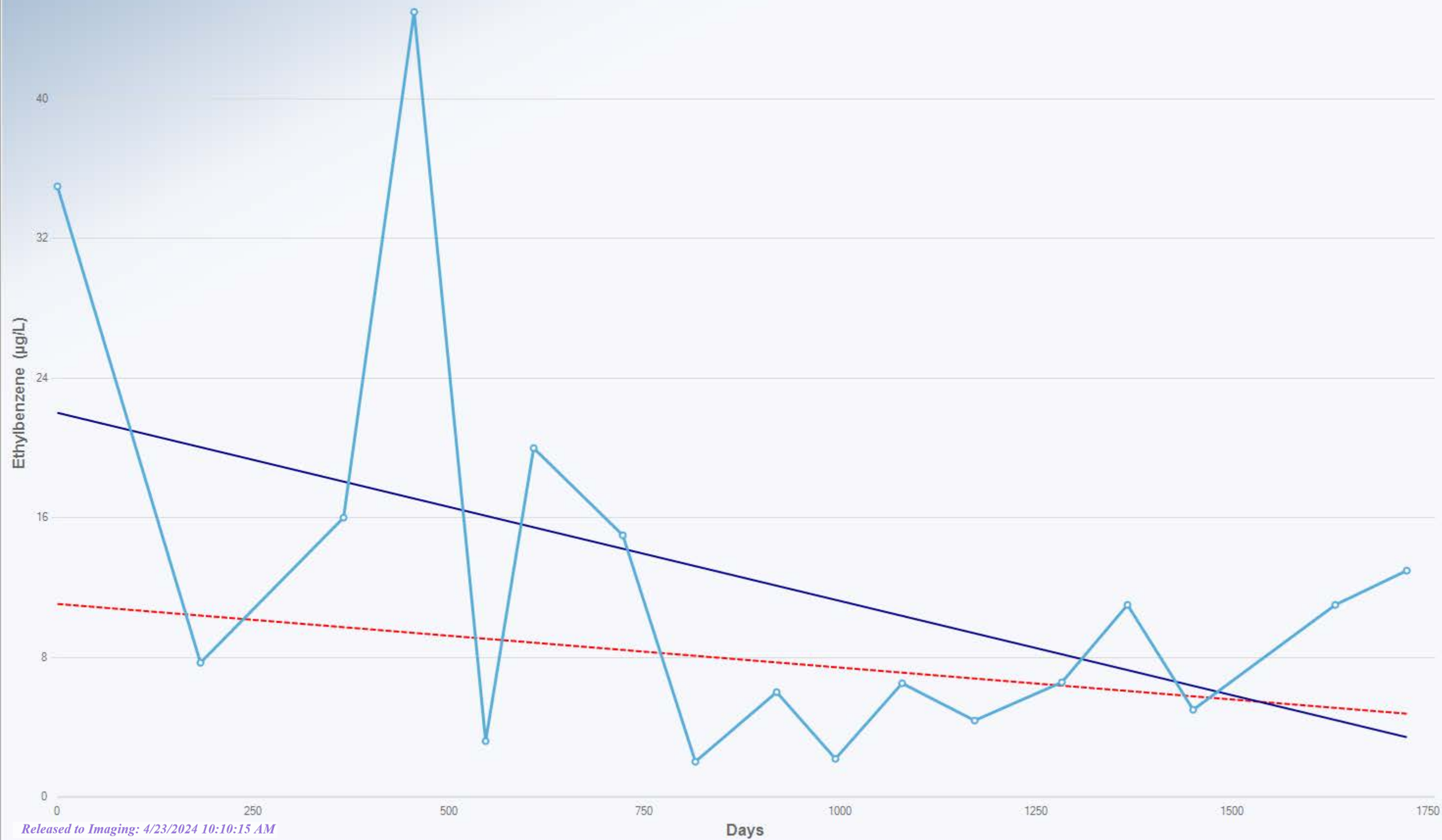


| Mann-Kendall Trend Analysis                                                                      |          |
|--------------------------------------------------------------------------------------------------|----------|
| n                                                                                                | 17       |
| Confidence Coefficient                                                                           | 0.9500   |
| Level of Significance                                                                            | 0.0500   |
| Standard Deviation of S                                                                          | 24.2556  |
| Standardized Value of S                                                                          | 0.9895   |
| M-K Test Value (S)                                                                               | .25      |
| Tabulated p-value                                                                                | 0.1740   |
| Approximate p-value                                                                              | 0.1612   |
| OLS Regression Line (Blue)                                                                       |          |
| OLS Regression Slope                                                                             | 0.0182   |
| OLS Regression Intercept                                                                         | 202.5259 |
| Theil-Sen Trend Line (Red)                                                                       |          |
| Theil-Sen Slope                                                                                  | 0.1009   |
| Theil-Sen Intercept                                                                              | 87.3286  |
| Insufficient statistical evidence of a significant trend at the specified level of significance. |          |

|    | A                                                                       | B | C     | D                               | E | F | G | H | I | J | K | L |                 |
|----|-------------------------------------------------------------------------|---|-------|---------------------------------|---|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |       |                                 |   |   |   |   |   |   |   |   | Page 110 of 124 |
| 2  | User Selected Options                                                   |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |       | ProUCL 5.2 1/25/2024 4:14:06 PM |   |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |       | MW-1 BTEX 2019 to 2023.xls      |   |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |       | OFF                             |   |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |       | 0.95                            |   |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |       | 0.05                            |   |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 9  | Benzene (µg/L)                                                          |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   | 17    |                                 |   |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   | 0     |                                 |   |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   | 17    |                                 |   |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   | 17    |                                 |   |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   | 9.7   |                                 |   |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   | 760   |                                 |   |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   | 218.9 |                                 |   |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   | 140.6 |                                 |   |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   | 180   |                                 |   |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   | 186.6 |                                 |   |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   | 0.852 |                                 |   |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   | 25    |                                 |   |   |   |   |   |   |   |   |                 |
| 26 | Tabulated p-value                                                       |   | 0.174 |                                 |   |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   | 24.26 |                                 |   |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   | 0.989 |                                 |   |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   | 0.161 |                                 |   |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |       |                                 |   |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |       |                                 |   |   |   |   |   |   |   |   |                 |

|    | A                                                                       | B | C | D                               | E | F | G | H | I | J | K | L |                 |
|----|-------------------------------------------------------------------------|---|---|---------------------------------|---|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |                                 |   |   |   |   |   |   |   |   | Page 111 of 124 |
| 2  | User Selected Options                                                   |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   | ProUCL 5.2 1/25/2024 4:09:21 PM |   |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   | MW-1 BTEX 2009 to 2023.xls      |   |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   | OFF                             |   |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   | 0.95                            |   |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   | 0.05                            |   |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 9  | Ethylbenzene (µg/L)                                                     |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 33                              |   |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0                               |   |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 33                              |   |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 33                              |   |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 1.8                             |   |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 270                             |   |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 30.91                           |   |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 14.81                           |   |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 15                              |   |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 50.91                           |   |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 1.647                           |   |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -214                            |   |   |   |   |   |   |   |   |                 |
| 26 | Critical Value (0.05)                                                   |   |   | -1.645                          |   |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 64.51                           |   |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -3.302                          |   |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 4.8017E-4                       |   |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 31 | Statistically significant evidence of a decreasing                      |   |   |                                 |   |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |                                 |   |   |   |   |   |   |   |   |                 |

# Mann-Kendall Trend Test: Ethylbenzene at MW-1

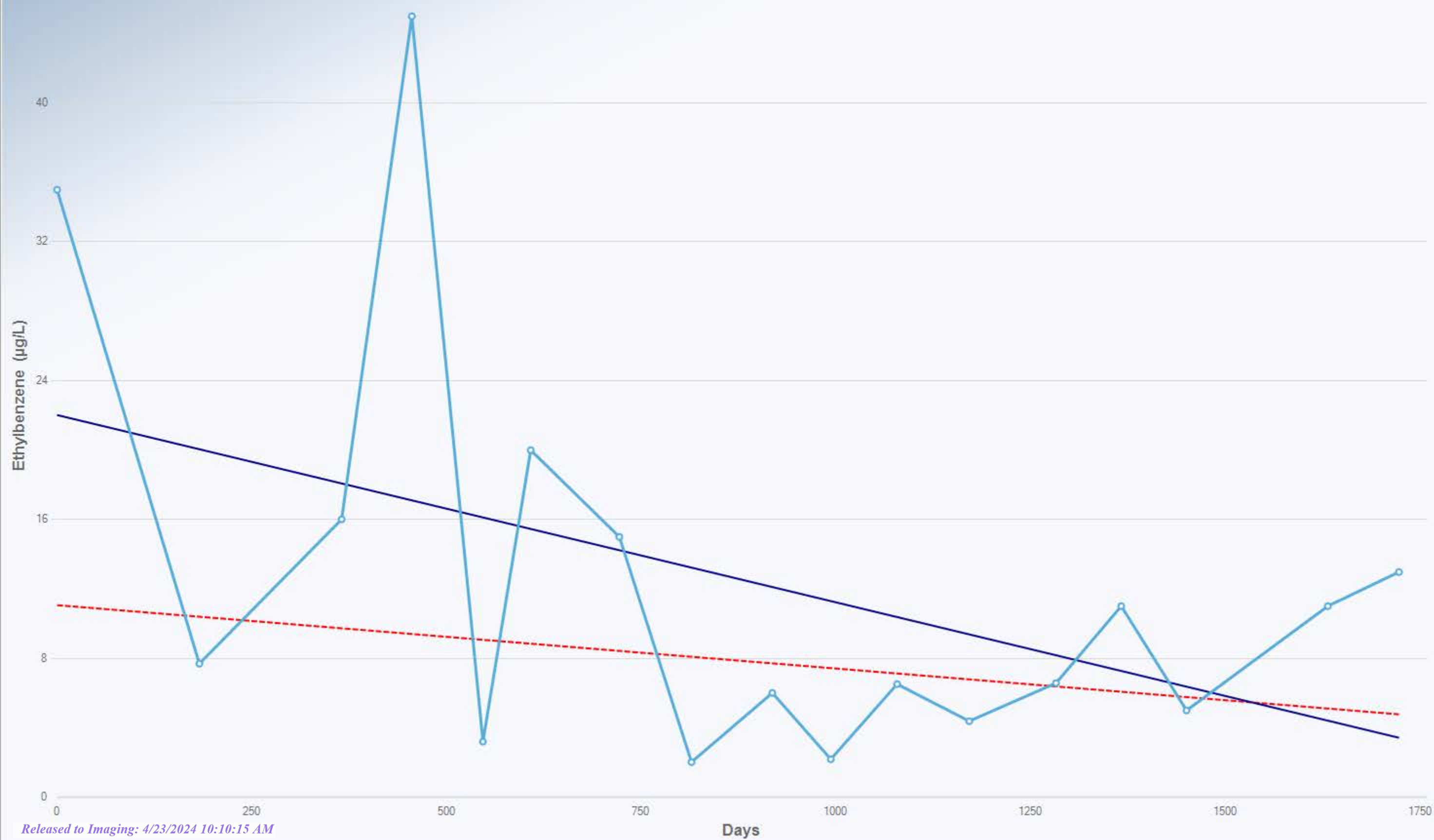


| Mann-Kendall Trend Analysis                                                                      |         |
|--------------------------------------------------------------------------------------------------|---------|
| n                                                                                                | 17      |
| Confidence Coefficient                                                                           | 0.9500  |
| Level of Significance                                                                            | 0.0500  |
| Standard Deviation of S                                                                          | 24.2556 |
| Standardized Value of S                                                                          | -0.8246 |
| M-K Test Value (S)                                                                               | -21     |
| Tabulated p-value                                                                                | 0.2200  |
| Approximate p-value                                                                              | 0.2048  |
| OLS Regression Line (Blue)                                                                       |         |
| OLS Regression Slope                                                                             | -0.0108 |
| OLS Regression Intercept                                                                         | 22.0457 |
| Theil-Sen Trend Line (Red)                                                                       |         |
| Theil-Sen Slope                                                                                  | -0.0036 |
| Theil-Sen Intercept                                                                              | 11.0445 |
| Insufficient statistical evidence of a significant trend at the specified level of significance. |         |



|    | A                                                                       | B | C | D      | E                               | F | G | H | I | J | K | L |                 |
|----|-------------------------------------------------------------------------|---|---|--------|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |        |                                 |   |   |   |   |   |   |   | Page 113 of 124 |
| 2  | User Selected Options                                                   |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   |        | ProUCL 5.2 1/25/2024 4:17:30 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   |        | MW-1 BTEX 2019 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   |        | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   |        | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   |        | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 9  | Ethylbenzene (µg/L)                                                     |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 17     |                                 |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0      |                                 |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 17     |                                 |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 17     |                                 |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 2      |                                 |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 45     |                                 |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 12.33  |                                 |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 8.573  |                                 |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 7.7    |                                 |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 11.73  |                                 |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 0.952  |                                 |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -21    |                                 |   |   |   |   |   |   |   |                 |
| 26 | Tabulated p-value                                                       |   |   | 0.22   |                                 |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 24.26  |                                 |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -0.825 |                                 |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.205  |                                 |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |        |                                 |   |   |   |   |   |   |   |                 |

# Mann-Kendall Trend Test: Ethylbenzene at MW-1



| Mann-Kendall Trend Analysis                                                                      |         |
|--------------------------------------------------------------------------------------------------|---------|
| n                                                                                                | 17      |
| Confidence Coefficient                                                                           | 0.9500  |
| Level of Significance                                                                            | 0.0500  |
| Standard Deviation of S                                                                          | 24.2556 |
| Standardized Value of S                                                                          | -0.8246 |
| M-K Test Value (S)                                                                               | -21     |
| Tabulated p-value                                                                                | 0.2200  |
| Approximate p-value                                                                              | 0.2048  |
| OLS Regression Line (Blue)                                                                       |         |
| OLS Regression Slope                                                                             | -0.0108 |
| OLS Regression Intercept                                                                         | 22.0457 |
| Theil-Sen Trend Line (Red)                                                                       |         |
| Theil-Sen Slope                                                                                  | -0.0036 |
| Theil-Sen Intercept                                                                              | 11.0445 |
| Insufficient statistical evidence of a significant trend at the specified level of significance. |         |

|    | A                                                                       | B | C | D                               | E | F | G | H | I | J | K | L               |
|----|-------------------------------------------------------------------------|---|---|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |                                 |   |   |   |   |   |   |   | Page 115 of 124 |
| 2  | User Selected Options                                                   |   |   |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   | ProUCL 5.2 1/25/2024 4:17:30 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   | MW-1 BTEX 2019 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 9  | Ethylbenzene (µg/L)                                                     |   |   |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 17                              |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0                               |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 17                              |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 17                              |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 2                               |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 45                              |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 12.33                           |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 8.573                           |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 7.7                             |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 11.73                           |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 0.952                           |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -21                             |   |   |   |   |   |   |   |                 |
| 26 | Tabulated p-value                                                       |   |   | 0.22                            |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 24.26                           |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -0.825                          |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.205                           |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |                                 |   |   |   |   |   |   |   |                 |

Mann-Kendall Trend Test: Toluene at MW-1



| Mann-Kendall Trend Analysis |         |
|-----------------------------|---------|
| n                           | 33      |
| Confidence Coefficient      | 0.9500  |
| Level of Significance       | 0.0500  |
| Standard Deviation of S     | 64.0000 |
| Standardized Value of S     | -0.3906 |
| M-K Test Value (S)          | -26     |
| Appx. Critical Value (0.05) | -1.6449 |
| Approximate p-value         | 0.3480  |

| OLS Regression Line (Blue) |         |
|----------------------------|---------|
| OLS Regression Slope       | -0.0029 |
| OLS Regression Intercept   | 19.4717 |

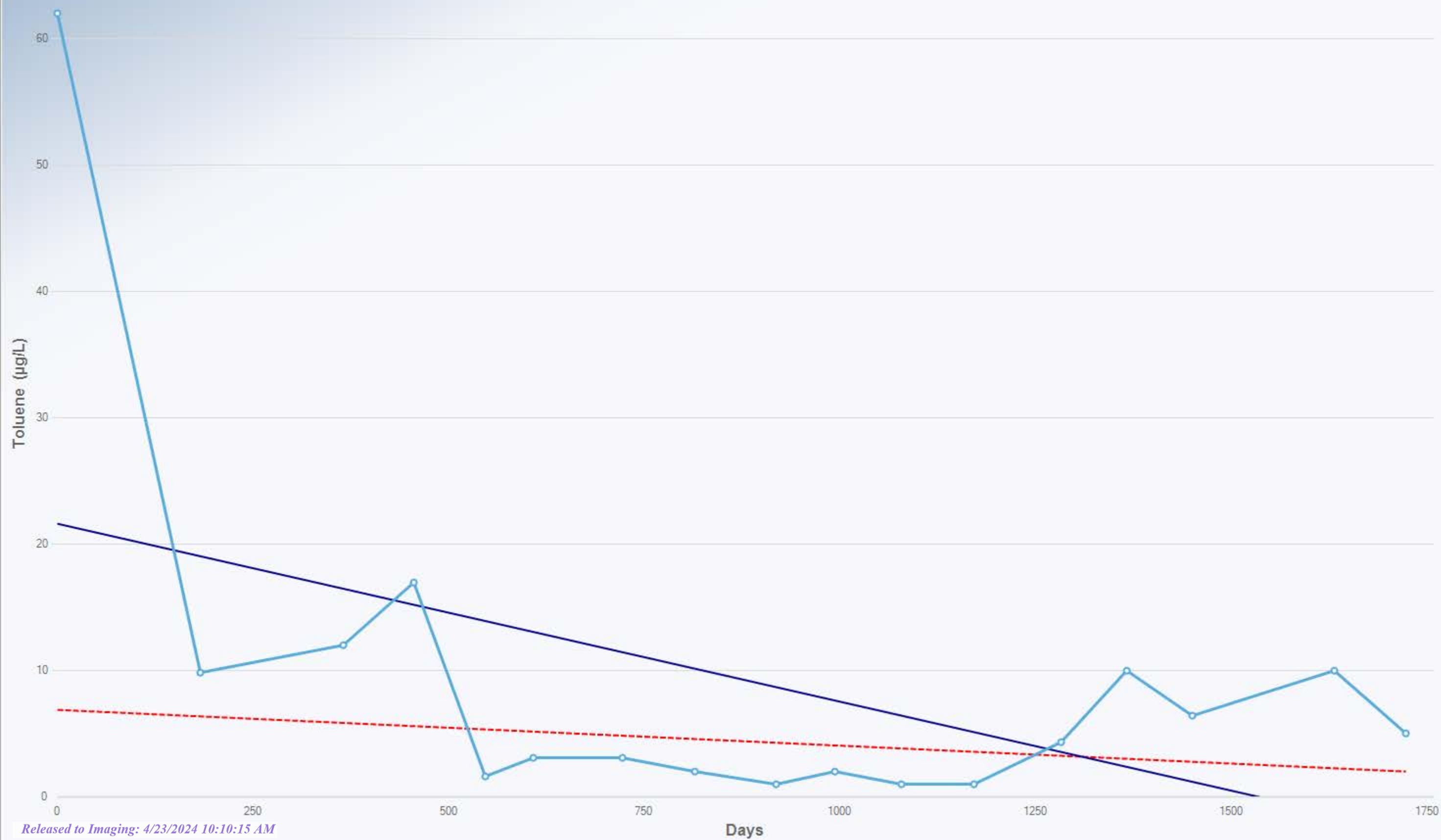
| Theil-Sen Trend Line (Red) |        |
|----------------------------|--------|
| Theil-Sen Slope            | 0.0000 |
| Theil-Sen Intercept        | 3.1000 |

Insufficient statistical evidence of a significant trend at the specified level of significance.

|    | A                                                                       | B | C | D                               | E | F | G | H | I | J | K | L               |
|----|-------------------------------------------------------------------------|---|---|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |                                 |   |   |   |   |   |   |   | Page 117 of 124 |
| 2  | User Selected Options                                                   |   |   |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   | ProUCL 5.2 1/25/2024 4:07:13 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   | MW-1 BTEX 2009 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 9  | Toluene (µg/L)                                                          |   |   |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 33                              |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0                               |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 33                              |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 33                              |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 1                               |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 91                              |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 11.32                           |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 4.167                           |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 3.1                             |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 20.54                           |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 1.815                           |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -26                             |   |   |   |   |   |   |   |                 |
| 26 | Critical Value (0.05)                                                   |   |   | -1.645                          |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 64                              |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -0.391                          |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.348                           |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |                                 |   |   |   |   |   |   |   |                 |



Mann-Kendall Trend Test: Toluene at MW-1



| Mann-Kendall Trend Analysis                                                                      |         |
|--------------------------------------------------------------------------------------------------|---------|
| n                                                                                                | 17      |
| Confidence Coefficient                                                                           | 0.9500  |
| Level of Significance                                                                            | 0.0500  |
| Standard Deviation of S                                                                          | 24.1385 |
| Standardized Value of S                                                                          | -0.7871 |
| M-K Test Value (S)                                                                               | -20     |
| Tabulated p-value                                                                                | 0.2200  |
| Approximate p-value                                                                              | 0.2156  |
| OLS Regression Line (Blue)                                                                       |         |
| OLS Regression Slope                                                                             | -0.0141 |
| OLS Regression Intercept                                                                         | 21.6088 |
| Theil-Sen Trend Line (Red)                                                                       |         |
| Theil-Sen Slope                                                                                  | -0.0028 |
| Theil-Sen Intercept                                                                              | 6.8937  |
| Insufficient statistical evidence of a significant trend at the specified level of significance. |         |

|    | A                                                                       | B | C | D      | E                               | F | G | H | I | J | K | L |                 |
|----|-------------------------------------------------------------------------|---|---|--------|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |        |                                 |   |   |   |   |   |   |   | Page 119 of 124 |
| 2  | User Selected Options                                                   |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   |        | ProUCL 5.2 1/25/2024 4:16:04 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   |        | MW-1 BTEX 2019 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   |        | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   |        | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   |        | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 9  | Toluene (µg/L)                                                          |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 17     |                                 |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0      |                                 |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 17     |                                 |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 17     |                                 |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 1      |                                 |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 62     |                                 |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 8.9    |                                 |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 4.449  |                                 |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 4.3    |                                 |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 14.46  |                                 |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 1.624  |                                 |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -20    |                                 |   |   |   |   |   |   |   |                 |
| 26 | Tabulated p-value                                                       |   |   | 0.22   |                                 |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 24.14  |                                 |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -0.787 |                                 |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.216  |                                 |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |   |        |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |        |                                 |   |   |   |   |   |   |   |                 |

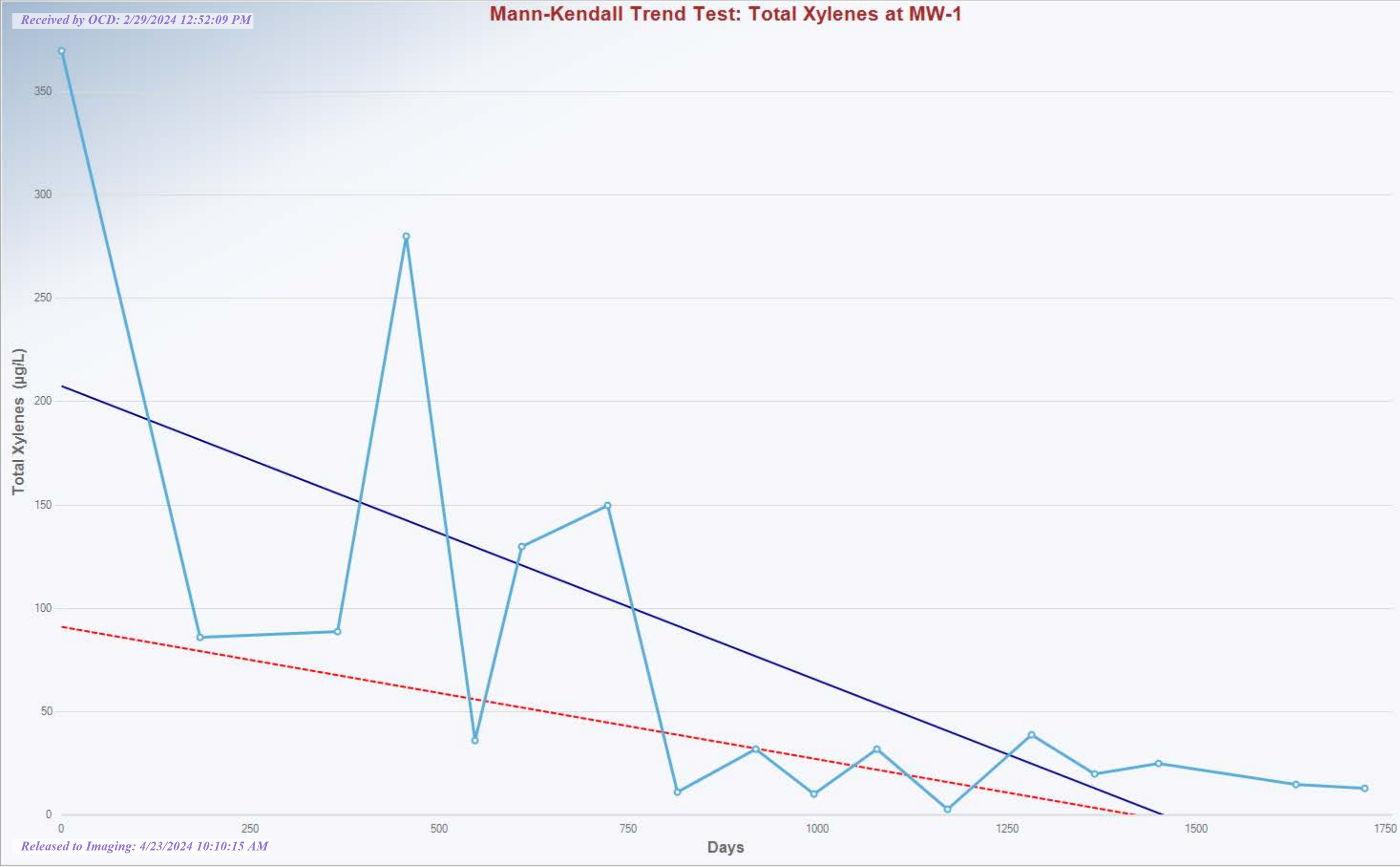
# Mann-Kendall Trend Test: Total Xylenes at MW-1



| Mann-Kendall Trend Analysis                                                                      |         |
|--------------------------------------------------------------------------------------------------|---------|
| n                                                                                                | 33      |
| Confidence Coefficient                                                                           | 0.9500  |
| Level of Significance                                                                            | 0.0500  |
| Standard Deviation of S                                                                          | 64.4283 |
| Standardized Value of S                                                                          | -0.4656 |
| M-K Test Value (S)                                                                               | -31     |
| Appx. Critical Value (0.05)                                                                      | -1.6449 |
| Approximate p-value                                                                              | 0.3207  |
| OLS Regression Line (Blue)                                                                       |         |
| OLS Regression Slope                                                                             | -0.0004 |
| OLS Regression Intercept                                                                         | 64.5430 |
| Theil-Sen Trend Line (Red)                                                                       |         |
| Theil-Sen Slope                                                                                  | -0.0018 |
| Theil-Sen Intercept                                                                              | 31.6828 |
| Insufficient statistical evidence of a significant trend at the specified level of significance. |         |

|    | A                                                                       | B | C | D                               | E | F | G | H | I | J | K | L               |
|----|-------------------------------------------------------------------------|---|---|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |                                 |   |   |   |   |   |   |   | Page 121 of 124 |
| 2  | User Selected Options                                                   |   |   |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   | ProUCL 5.2 1/25/2024 4:11:00 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   | MW-1 BTEX 2009 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 9  | Total Xylenes (µg/L)                                                    |   |   |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 33                              |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0                               |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 33                              |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 33                              |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 2                               |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 370                             |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 63.3                            |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 22.18                           |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 25                              |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 88.6                            |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 1.4                             |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -31                             |   |   |   |   |   |   |   |                 |
| 26 | Critical Value (0.05)                                                   |   |   | -1.645                          |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 64.43                           |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -0.466                          |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.321                           |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 31 | Insufficient evidence to identify a significant                         |   |   |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |                                 |   |   |   |   |   |   |   |                 |

Mann-Kendall Trend Test: Total Xylenes at MW-1



| Mann-Kendall Trend Analysis                                                                      |          |
|--------------------------------------------------------------------------------------------------|----------|
| n                                                                                                | 17       |
| Confidence Coefficient                                                                           | 0.9500   |
| Level of Significance                                                                            | 0.0500   |
| Standard Deviation of S                                                                          | 24.2556  |
| Standardized Value of S                                                                          | -2.8859  |
| M-K Test Value (S)                                                                               | -71      |
| Tabulated p-value                                                                                | 0.0020   |
| Approximate p-value                                                                              | 0.0020   |
| OLS Regression Line (Blue)                                                                       |          |
| OLS Regression Slope                                                                             | -0.1427  |
| OLS Regression Intercept                                                                         | 207.4176 |
| Theil-Sen Trend Line (Red)                                                                       |          |
| Theil-Sen Slope                                                                                  | -0.0645  |
| Theil-Sen Intercept                                                                              | 91.1681  |
| Statistically significant evidence of a decreasing trend at the specified level of significance. |          |



|    | A                                                                       | B | C | D       | E                               | F | G | H | I | J | K | L |                 |
|----|-------------------------------------------------------------------------|---|---|---------|---------------------------------|---|---|---|---|---|---|---|-----------------|
| 1  | Received by OCD: 2/29/2024 12:52:09 PM Mann-Kendall Trend Test Analysis |   |   |         |                                 |   |   |   |   |   |   |   | Page 123 of 124 |
| 2  | User Selected Options                                                   |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 3  | Date/Time of Computation                                                |   |   |         | ProUCL 5.2 1/25/2024 4:30:07 PM |   |   |   |   |   |   |   |                 |
| 4  | From File                                                               |   |   |         | MW-1 BTEX 2019 to 2023.xls      |   |   |   |   |   |   |   |                 |
| 5  | Full Precision                                                          |   |   |         | OFF                             |   |   |   |   |   |   |   |                 |
| 6  | Confidence Coefficient                                                  |   |   |         | 0.95                            |   |   |   |   |   |   |   |                 |
| 7  | Level of Significance                                                   |   |   |         | 0.05                            |   |   |   |   |   |   |   |                 |
| 8  |                                                                         |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 9  | Total Xylenes (µg/L)                                                    |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 10 |                                                                         |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 11 | General Statistics                                                      |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 12 | Number of Events Reported (m)                                           |   |   | 17      |                                 |   |   |   |   |   |   |   |                 |
| 13 | Number of Missing Events                                                |   |   | 0       |                                 |   |   |   |   |   |   |   |                 |
| 14 | Number or Reported Events Used                                          |   |   | 17      |                                 |   |   |   |   |   |   |   |                 |
| 15 | Number Values Reported (n)                                              |   |   | 17      |                                 |   |   |   |   |   |   |   |                 |
| 16 | Minimum                                                                 |   |   | 3       |                                 |   |   |   |   |   |   |   |                 |
| 17 | Maximum                                                                 |   |   | 370     |                                 |   |   |   |   |   |   |   |                 |
| 18 | Mean                                                                    |   |   | 78.88   |                                 |   |   |   |   |   |   |   |                 |
| 19 | Geometric Mean                                                          |   |   | 37.99   |                                 |   |   |   |   |   |   |   |                 |
| 20 | Median                                                                  |   |   | 32      |                                 |   |   |   |   |   |   |   |                 |
| 21 | Standard Deviation                                                      |   |   | 103.3   |                                 |   |   |   |   |   |   |   |                 |
| 22 | Coefficient of Variation                                                |   |   | 1.31    |                                 |   |   |   |   |   |   |   |                 |
| 23 |                                                                         |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 24 | Mann-Kendall Test                                                       |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 25 | M-K Test Value (S)                                                      |   |   | -71     |                                 |   |   |   |   |   |   |   |                 |
| 26 | Tabulated p-value                                                       |   |   | 0.002   |                                 |   |   |   |   |   |   |   |                 |
| 27 | Standard Deviation of S                                                 |   |   | 24.26   |                                 |   |   |   |   |   |   |   |                 |
| 28 | Standardized Value of S                                                 |   |   | -2.886  |                                 |   |   |   |   |   |   |   |                 |
| 29 | Approximate p-value                                                     |   |   | 0.00195 |                                 |   |   |   |   |   |   |   |                 |
| 30 |                                                                         |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 31 | Statistically significant evidence of a decreasing                      |   |   |         |                                 |   |   |   |   |   |   |   |                 |
| 32 | trend at the specified level of significance.                           |   |   |         |                                 |   |   |   |   |   |   |   |                 |

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 319074

CONDITIONS

|                                                                                              |                                                                          |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>BENSON-MONTIN-GREER DRILLING CORP<br>4900 College Blvd.<br>Farmington, NM 87402 | OGRID:                                                                   |
|                                                                                              | 2096                                                                     |
|                                                                                              | Action Number:<br>319074                                                 |
|                                                                                              | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By       | Condition                                                                                                                                                                                                                                                                                                                                                                                                                    | Condition Date |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | Review of the Q1 through Q4 Annual Progress Report for Highway 537 Truck Receiving Station: Content Satisfactory 1. Proceed with plans to sample VOCs quarterly, Phenols and dissolved manganese annually 2. Gauge all wells for depth to groundwater and water quality parameters annually 3. Replace MW-1 sock on an as needed basis 4. Submit next groundwater monitoring report and site status update by April 1, 2025. | 4/23/2024      |