



March 24, 2025

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

**Re: 2024 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**

Dear Mr. Velez:

On behalf of Benson-Montin-Greer Drilling Corporation (BMG), Animas Environmental Services, LLC (AES) has prepared this Annual 2024 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, with approval from the New Mexico Oil Conservation Division (NMOCD) still pending. On October 3, 2024, AES submitted an Abatement Plan Modification Request.

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

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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.

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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 (ft²/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

<i>Time Period</i>	<i>Mass Petroleum Hydrocarbons Removed (lbs)</i>
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
Cumulative Mass	3,913

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 2023

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.

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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) 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

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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 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.

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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 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.

1.7.7 Groundwater Monitoring and Sampling, 2023

On March 15, June 21, September 13, and December 13, 2023, 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 decreased throughout March, June, and September, then slightly rebounded in December. Gradient was calculated to be generally to the west and was consistent with previous site data.

Residual NAPL was observed in MW-1 with a thickness of 0.01 ft in June, and as a sheen in March, September, and December. NAPL was effectively bailed off to allow for sampling during each event. The hydrophobic sock was monitored and replaced throughout the year.

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. In June, dissolved manganese (0.26 mg/L) and total phenols (3.1 mg/L) exceeded the WQCC standards of 0.2 mg/L and 0.005 mg/L, respectively. The sulfate WQCC standard of 600 mg/L was exceeded with 1,700 mg/L as well as the TDS standard (1,000 mg/L) with 3,120 mg/L in December.

AES performed Mann-Kendall analyses to assess natural attenuation of VOCs at the site; BTEX was assessed from 2009-2023 and 2019-2023. Overall, BTEX concentrations demonstrated “No Trend” over both time periods, with the exceptions of ethylbenzene from 2009 to 2023 and total xylenes from 2019 to 2023, which both demonstrated “Decreasing” trends.

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2.0 Groundwater Monitoring and Sampling, 2024

Groundwater monitoring and sampling was conducted by AES in March, May, September, and December 2024. 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 2024

For Q1 of 2024, groundwater monitoring of all site wells and sampling of MW-1 was conducted by AES on March 7, 2024. During the sampling event, a residual NAPL sheen was detected 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 30.82 ft bgs at MW-3 to 31.74 ft bgs at MW-5. Field water quality measurements were not obtained from MW-1 due to the residual NAPL sheen. The groundwater gradient was calculated to be 0.006 ft/ft in a west-southwestern direction between MW-2 and MW-4. March 2024 groundwater elevations and contours are presented on Figure 3A.

Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Eurofins Environment Testing South Central, LLC, (Eurofins) 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:

- 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 - 99 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.

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2.2 May 2024

Groundwater monitoring of all site wells and sampling of monitor well MW-1 was conducted by AES on May 29, 2024, for Q2 2024. 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 31.02 ft bgs at MW-3 to 31.87 ft bgs at MW-5. Field water quality measurements were not obtained from MW-1 due to the residual NAPL sheen. The groundwater gradient was calculated to be 0.006 ft/ft in a west-southwestern direction between MW-2 and MW-4. May 2024 groundwater elevations and contours are presented on Figure 3B.

Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Eurofins 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:

- 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 - 120 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.

2.3 September 2024

For Q3, groundwater monitoring of all site wells and sampling of monitor well MW-1 was conducted by AES on September 5, 2024. 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 31.58 ft bgs at MW-3 to 32.38 ft bgs at MW-5. Residual NAPL was observed only at MW-1 (sheen). Groundwater gradient was

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calculated to be 0.005 ft/ft in a west-southwestern direction between MW-2 and MW-4. September 2024 groundwater elevations and contours are presented on Figure 3C.

Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Eurofins 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;
- Dissolved manganese per USEPA Method 6010;
- Total phenolics per SW846 9067; and
- DRO and MRO per USEPA Method 8015.

Groundwater Laboratory Analytical Results

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

- Benzene - 42 µg/L (WQCC standard 5 µg/L); and
- Dissolved manganese – 0.29 mg/L (WQCC standard 0.2 mg/L).

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

2.4 December 2024

Groundwater monitoring of all site wells and sampling of monitor well MW-1 was conducted by AES on December 4, 2024, for Q4 2024. 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 31.59 ft bgs at MW-3 to 32.43 ft bgs at MW-5. The calculated groundwater gradient was 0.006 ft/ft in a west-southwestern direction between MW-2 and MW-4. December 2024 groundwater elevations and contours are presented on Figure 3D.

Groundwater Laboratory Analyses

Groundwater samples from MW-1 (near the release area) were submitted to Eurofins for analysis of the following parameters:

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- 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 – 8.9 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. A graph of benzene concentrations and groundwater elevations over time from 2019 to present for MW-1 has also been attached.

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 and benzene.

4.0 Conclusions and Recommendations

4.1 Conclusions

On March 7, May 29, September 5, and December 4, 2024, groundwater samples were collected from MW-1 (source area well). 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 2024, the following is concluded:

1. Groundwater elevations across the site continue to decline, with December 2024 elevations at or near historic lows. The groundwater gradient was in a west-southwestern direction, consistent with past observations.

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2. A residual NAPL sheen was observed in MW-1 throughout the year. NAPL was effectively bailed off during each sampling event, and samples were collected from MW-1. Note that an oleophilic/hydrophobic absorbent sock installed in June 2020 continues to be utilized in MW-1. Absorbent socks function only to adsorb residual NAPL from the well, and no other compounds are introduced into the shallow aquifer through the use of absorbent socks.
3. MW-1 continued to exceed the WQCC standard of 5 µg/L for benzene throughout 2024, with the highest concentration (120 µg/L) reported in March. While benzene concentrations showed some seasonal variability, the benzene concentration decreased by approximately 97 percent from December 2023 (300 µg/L) to December 2024 (8.9 µg/L).
4. MW-1 was sampled on an annual basis for TPH (DRO/MRO), dissolved manganese, cyanide, and phenols in September 2024. MW-1 continues to exceed the dissolved phase manganese WQCC standard, with 0.29 mg/L. Cyanide, phenols, DRO, and MRO were less than laboratory reporting limits and applicable WQCC standards.

4.2 Recommendations

As described in the Abatement Plan Modification Request dated October 3, 2024, AES recommends:

1. Injection of ETEC Advanced Bioremediation Solutions' (ETEC's) PetroSolv™ surfactant into wells with the goal of reducing or eliminating residual non-aqueous product layer (NAPL) impacts; specifically, MW-1 and MW-2.
2. Extraction of PetroSolv, mobilized NAPL, and impacted groundwater from the treated wells for transport and disposal at the Envirotech Soil Remediation Facility, Landfarm #3, near Hilltop, New Mexico.
3. Injection of a combination ETEC's CBN™ nutrient blend, A2™ bacterial consortium, and EA™ enzyme accelerator to enhance biodegradation of remaining NAPL and dissolved-phase contaminants.

Until approval is received from NMOCD to perform these additional remedial actions, AES will continue recovery of residual NAPL via hydrophobic socks where NAPL thickness is sufficient for removal; and with quarterly hand-bailing and sock replacements as necessary.

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4.3 Scheduled Site Activities

The following site activities are currently scheduled for 2025:


- Sample MW-1:
 - Quarterly: VOCs (USEPA Method 8260);
 - Annual: Phenols (SW-846 9067) and dissolved manganese (USEPA Method 200.7) – to be conducted in September 2025.
- Gauge all wells for depth to groundwater and water quality parameters on an annual basis (September 2025).
- Replace absorbent sock in MW-1 as needed.

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

Respectfully Submitted,



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Tables

1. Summary of Groundwater Measurement and Water Quality Data – 2020 to Present
2. Summary of Groundwater Analytical Results – VOCs and TPH
3. Summary of Groundwater Analytical Results – WQCC Groundwater Standards

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Figures

1. Topographic Site Location Map
2. Aerial Site Map
- 3A. General Site Map and Groundwater Gradient Map, March 2024
- 3B. General Site Map and Groundwater Gradient Map, May 2024
- 3C. General Site Map and Groundwater Gradient Map, September 2024
- 3D. General Site Map and Groundwater Gradient Map, December 2024
4. Groundwater Contaminant Concentrations, 2024

Graphs

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

Appendices

- A. Groundwater Sample Collection Forms (March, May, September, and December 2024)
- B. Laboratory Analytical Reports (Eurofins No. 885-832-1, 885-5413-1, 885-11333-1, 885-16530-1)

Cc: Zach Stradling (zstradling@bmqdrilling.com)
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Tables

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA - 2020 to PRESENT
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	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)				
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-1	07-Mar-24	7064.66		31.59	Sheen	7033.07		Not Measured - NAPL Present (sheen)				
MW-1	29-May-24	7064.66	31.73	31.73	Sheen	7032.93		Not Measured - NAPL Present (sheen)				
MW-1	05-Sep-24	7064.66	32.31	32.31	Sheen	7032.35		Not Measured - NAPL Present (sheen)				
MW-1	04-Dec-24	7064.66		32.32	Sheen	7032.34		Not Measured - NAPL Present (sheen)				
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

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA - 2020 to PRESENT
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	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-2	07-Mar-24	7064.65		31.26		7033.39		NM	NM	NM	NM	NM
MW-2	29-May-24	7064.65		31.39		7033.26		NM	NM	NM	NM	NM
MW-2	05-Sep-24	7064.65		31.97		7032.68		NM	NM	NM	NM	NM
MW-2	04-Dec-24	7064.65		31.98		7032.67		12.7	3.739	2.02	7.29	95.9
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
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

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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	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-3	07-Mar-24	7064.01		30.82		7033.19		NM	NM	NM	NM	NM
MW-3	29-May-24	7064.01		31.02		7032.99		NM	NM	NM	NM	NM
MW-3	05-Sep-24	7064.01		31.58		7032.43		NM	NM	NM	NM	NM
MW-3	04-Dec-24	7064.01		31.59		7032.42		12.6	3.602	1.30	7.01	51.7
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
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-4	07-Mar-24	7063.72		30.99		7032.73		NM	NM	NM	NM	NM
MW-4	29-May-24	7063.72		31.13		7032.59		NM	NM	NM	NM	NM

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA - 2020 to PRESENT
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	05-Sep-24	7063.72		31.69		7032.03		NM	NM	NM	NM	NM
MW-4	04-Dec-24	7063.72		31.71		7032.01		12.7	3.819	2.16	7.23	199.7
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	3.90	7.20	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-5	07-Mar-24	7064.79		31.74		7033.05		NM	NM	NM	NM	NM
MW-5	29-May-24	7064.79		31.87		7032.92		NM	NM	NM	NM	NM
MW-5	05-Sep-24	7064.79		32.38		7032.41		NM	NM	NM	NM	NM
MW-5	04-Dec-24	7064.79		32.43		7032.36		12.8	4.417	2.23	7.12	108.9

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 ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl- benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
Analytical Method		8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8015B	8015B	8015B
New Mexico WQCC		5	1,000	700	620	NE	NE	NE
MW-1	05-Mar-09	310	91	5.1	200	2.1	<1.0	<5.0
MW-1	11-Sep-09	1,500	1.1	48	170	4.8	<1.0	<5.0
MW-1	15-Jan-10	630	<5.0	19	47	2.1	<1.0	<5.0
MW-1	15-Oct-10	960	53	37	94	4.1	<1.0	<5.0
MW-1	21-Jan-11	3,600	<10	140	160	10	<1.0	<5.0
MW-1	12-May-11	7,800	42	270	33	19	<1.0	<5.0
MW-1	12-Aug-11	280	<1.0	18	<2.0	1.2	<1.0	<5.0
MW-1	16-Nov-11	2,700	<5.0	76	<10	3.9	<1.0	<5.0
MW-1	21-Feb-12	360	<1.0	54	<2.0	1.2	<1.0	<5.0
MW-1	24-May-12	210	2.1	31	5.1	0.59	<1.0	<5.0
MW-1	10-Sep-12	54	<2.0	36	<4.0	0.45	<1.0	<5.0
MW-1	04-Dec-12	<2.0	<2.0	17	<4.0	0.19	<1.0	<5.0
MW-1	26-Mar-13	1.2	<1.0	1.8	<2.0	<0.050	<1.0	<5.0
MW-1	01-Jul-13	1.6	<1.0	6.5	<2.0	0.090	<1.0	<5.0
MW-1	25-Sep-13	180	2.9	36	8.8	0.53	<1.0	<5.0
MW-1	14-Jan-14	14	<2.0	15	<4.0	0.21	<1.0	<5.0
MW-1	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-1	07-Mar-24	99	<1.0	3.7	3.6	NA	NA	NA
MW-1	29-May-24	120	<5.0	<5.0	<7.5	NA	NA	NA
MW-1	05-Sep-24	42	<1.0	1.3	<1.5	NA	<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 (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
<i>Analytical Method</i>		8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8015B	8015B	8015B
<i>New Mexico WQCC</i>		<i>5</i>	<i>1,000</i>	<i>700</i>	<i>620</i>	<i>NE</i>	<i>NE</i>	<i>NE</i>
MW-1	04-Dec-24	8.9	0.35	0.30	<0.37	NA	NA	NA
MW-2	05-Mar-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	10-Sep-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	15-Jan-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	14-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	21-Jan-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	16-Nov-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-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 (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
<i>Analytical Method</i>		8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8015B	8015B	8015B
<i>New Mexico WQCC</i>		5	1,000	700	620	NE	NE	NE
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	10-Sep-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	15-Jan-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	15-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	21-Jan-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	16-Nov-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-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	10-Sep-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	15-Jan-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	14-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	21-Jan-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	16-Nov-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-7	07-Aug-17	Plugged and Abandoned						

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 (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
<i>Analytical Method</i>		8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8015B	8015B	8015B
<i>New Mexico WQCC</i>		<i>5</i>	<i>1,000</i>	<i>700</i>	<i>620</i>	<i>NE</i>	<i>NE</i>	<i>NE</i>
MW-8	06-Mar-09	160	170	12	350	2.1	1.5	<5.0
MW-8	11-Sep-09	1,200	<20	36	75	4.1	1.1	<5.0
MW-8	15-Jan-10	56	<1.0	2.3	2.2	0.24	<1.0	<5.0
MW-8	15-Oct-10	50	<1.0	1.7	<2.0	0.21	<1.0	<5.0
MW-8	21-Jan-11	370	<1.0	4.6	<2.0	0.58	<1.0	<5.0
MW-8	12-May-11	430	<1.0	25	<2.0	1.4	<1.0	<5.0
MW-8	12-Aug-11	2.3	<1.0	<1.0	<2.0	0.070	<1.0	<5.0
MW-8	16-Nov-11	1.5	<1.0	<1.0	<2.0	0.17	<1.0	<5.0
MW-8	21-Feb-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-8	24-May-12	<1.0	<1.0	<1.0	<2.0	0.12	<1.0	<5.0
MW-8	10-Sep-12	<1.0	<1.0	<1.0	<2.0	0.16	<1.0	<5.0
MW-8	04-Dec-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-8	26-Mar-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-8	27-Jun-13	<1.0	<1.0	<1.0	<2.0	0.052	<1.0	<5.0
MW-8	04-Apr-14	<1.0	<1.0	<1.0	<2.0	0.072	<1.0	<5.0
MW-8	07-Aug-17	Plugged and Abandoned						
MW-9	06-Mar-09	170	350	49	530	2.5	<1.0	<5.0
MW-9	06-Apr-09	82	62	16	210	1.6	<1.0	<5.0
MW-9	10-Sep-09	46	<1.0	3.8	19	0.86	<1.0	<5.0
MW-9	15-Jan-10	62	<1.0	4.2	12	0.49	<1.0	<5.0
MW-9	15-Oct-10	53	<1.0	2.3	<2.0	0.22	<1.0	<5.0
MW-9	21-Jan-11	390	<1.0	5.1	<2.0	0.41	<1.0	<5.0
MW-9	12-May-11	390	<1.0	11	<2.0	0.92	<1.0	<5.0
MW-9	12-Aug-11	120	<1.0	5.6	<2.0	0.35	<1.0	<5.0
MW-9	16-Nov-11	200	<5.0	9.6	<10	0.57	<1.0	<5.0
MW-9	21-Feb-12	120	<1.0	4.2	<2.0	0.30	<1.0	<5.0
MW-9	24-May-12	3.8	<1.0	1.4	<2.0	0.076	<1.0	<5.0
MW-9	10-Sep-12	<1.0	<1.0	<1.0	<2.0	0.072	<1.0	<5.0
MW-9	04-Dec-12	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	26-Mar-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	27-Jun-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	25-Sep-13	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	14-Jan-14	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-9	04-Apr-14	<1.0	<1.0	<1.0	<2.0	0.075	<1.0	<5.0
MW-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	10-Sep-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 ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
Analytical Method		8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8021B/ 8260B	8015B	8015B	8015B
New Mexico WQCC		5	1,000	700	620	NE	NE	NE
MW-10	15-Jan-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	14-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	21-Jan-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	16-Nov-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-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
MW-11	10-Sep-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	15-Jan-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	14-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	21-Jan-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	16-Nov-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-11	07-Aug-17	Plugged and Abandoned						
Downgraded nt MW-7*	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

Rio Arriba County, New Mexico

Radium 226/228	5.0	6 to 9	pCi/L	NA	1.056	NA	NA	NA	NA
pH	6 to 9	i	NA	NA	7.29	NA	NA	NA	NA
Phenols	0.005		NA	NA	0.028	<0.0025	NA	NA	<0.005
Cyanide	0.2		NA	NA	<0.00500	NA	NA	NA	NA
Total Mercury	0.002		NA	NA	<0.00020	NA	NA	NA	NA
Zinc	10.0		NA	NA	0.077	NA	NA	NA	NA
Silver	0.05		NA	NA	<0.0050	NA	NA	NA	NA
Nickel	0.2		NA	NA	0.027	NA	NA	NA	NA
Molybdenum	1.0		NA	NA	<0.0080	NA	NA	NA	NA
Manganese	0.2		0.34	0.68 (T)	0.52	0.66	0.42	0.27*	
Iron	1.0		0.75	28 (T)	0.73	0.63	NA	NA	NA
Cobalt	0.05		NA	0.015	NA	NA	NA	NA	NA
Chromium	0.05		NA	0.019	NA	NA	NA	NA	NA
Cadmium	0.005		NA	<0.0020	NA	NA	NA	NA	NA
Boron	0.75		NA	0.082	NA	NA	NA	NA	NA
Beryllium	0.004		NA	<0.0020	NA	NA	NA	NA	NA
Barium	2.0		NA	0.40	NA	NA	NA	NA	NA
Aluminum	5.0		NA	20 (T)	NA	<0.02	NA	NA	NA
TDS	1,000		NA	3,500	NA	NA	NA	NA	NA
Sulfate	600		2,300	1,800	NA	NA	NA	NA	NA
Nitrate-N	10.0		<1.0	<0.50	NA	NA	NA	NA	NA
Nitrite-N	1.0		NA	<0.50	NA	NA	NA	NA	NA
Chloride	250		NA	46	NA	NA	NA	NA	NA
Fluoride	1.6		NA	<0.50	NA	NA	NA	NA	NA
Uranium	0.03		NA	0.036	NA	0.015	NA	NA	NA
Thallium	0.002		NA	<0.00050	NA	NA	NA	NA	NA
Selenium	0.05		NA	0.0014	NA	NA	NA	NA	NA
Lead	0.015		NA	0.0092	NA	NA	NA	NA	NA
Copper	1.0		NA	0.020	NA	NA	NA	NA	NA
Arsenic	0.01		NA	0.0067	NA	NA	NA	NA	NA
Antimony	0.006		NA	<0.0010	NA	NA	NA	NA	NA
Sample Date			26-Mar-19	25-Sep-19	25-Mar-20	23-Jun-20	29-Sep-21	15-Mar-23	
Well ID			MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	

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 226/228	5.0	pc/L	NA	NA	NA	NA	NA
pH	6 to 9	i	NA	NA	NA	NA	NA
Phenols	0.005	3.1					<3.0
Cyanide	0.2	NA					<3.0
Total Mercury	0.002	NA					NA
Zinc	10.0	NA					NA
Silver	0.05	NA					NA
Nickel	0.2	NA					NA
Molybdenum	1.0	NA					NA
Manganese	0.2	0.26					0.0044
Iron	1.0	NA					0.02
Cobalt	0.05	NA					NA
Chromium	0.05	NA					NA
Cadmium	0.005	NA					NA
Boron	0.75	NA					NA
Beryllium	0.004	NA					NA
Barium	2.0	NA					NA
Aluminum	5.0	NA					5.0 (T)
TDS	1,000	NA					3,430
Sulfate	600	NA					2,200
Nitrate-N	10.0	NA					NA
Nitrite-N	1.0	NA					NA
Chloride	250	NA					NA
Fluoride	1.6	NA					NA
Uranium	0.03	NA					0.02 (T)
Thallium	0.002	NA					NA
Selenium	0.05	NA					NA
Lead	0.015	NA					NA
Copper	1.0	NA					NA
Arsenic	0.01	NA					NA
Antimony	0.006	NA					NA
Sample Date	NM WQCC Standard						
		MW-1	MW-1	MW-1	MW-2	MW-2	MW-5
		21-Jun-23	13-Dec-23	5-Sep-24	25-Mar-20	23-Jun-20	21-Jun-23

NOTES:

TDS - Total Dissolved Solids

* - Collected as part of 2023 sampling

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	Radium 226/228	pH	Phenols	Cyanide	Total Mercury	Zinc	Silver	Nickel	Molybdenum	Manganese	Iron	Cobalt	Chromium	Cadmium	Boron	Beryllium	Barium	Aluminum	TDS	Sulfate	Nitrate-N	Nitrite-N	Chloride	Fluoride	Uranium	Thallium	Selenium	Lead	Copper	Arsenic	Antimony
		5.0	6 to 9	0.005	0.2	0.002	10.0	0.05	0.2	1.0	0.2	1.0	0.05	0.05	0.005	0.75	0.004	2.0	5.0	1,000	600	10.0	1.0	250	1.6	0.03	0.002	0.05	0.015	1.0	0.01	0.006
		(mg/L)																														
			!																													

< - Analyte not detected above listed method limit

NA - Not Analyzed

NE - Not Established

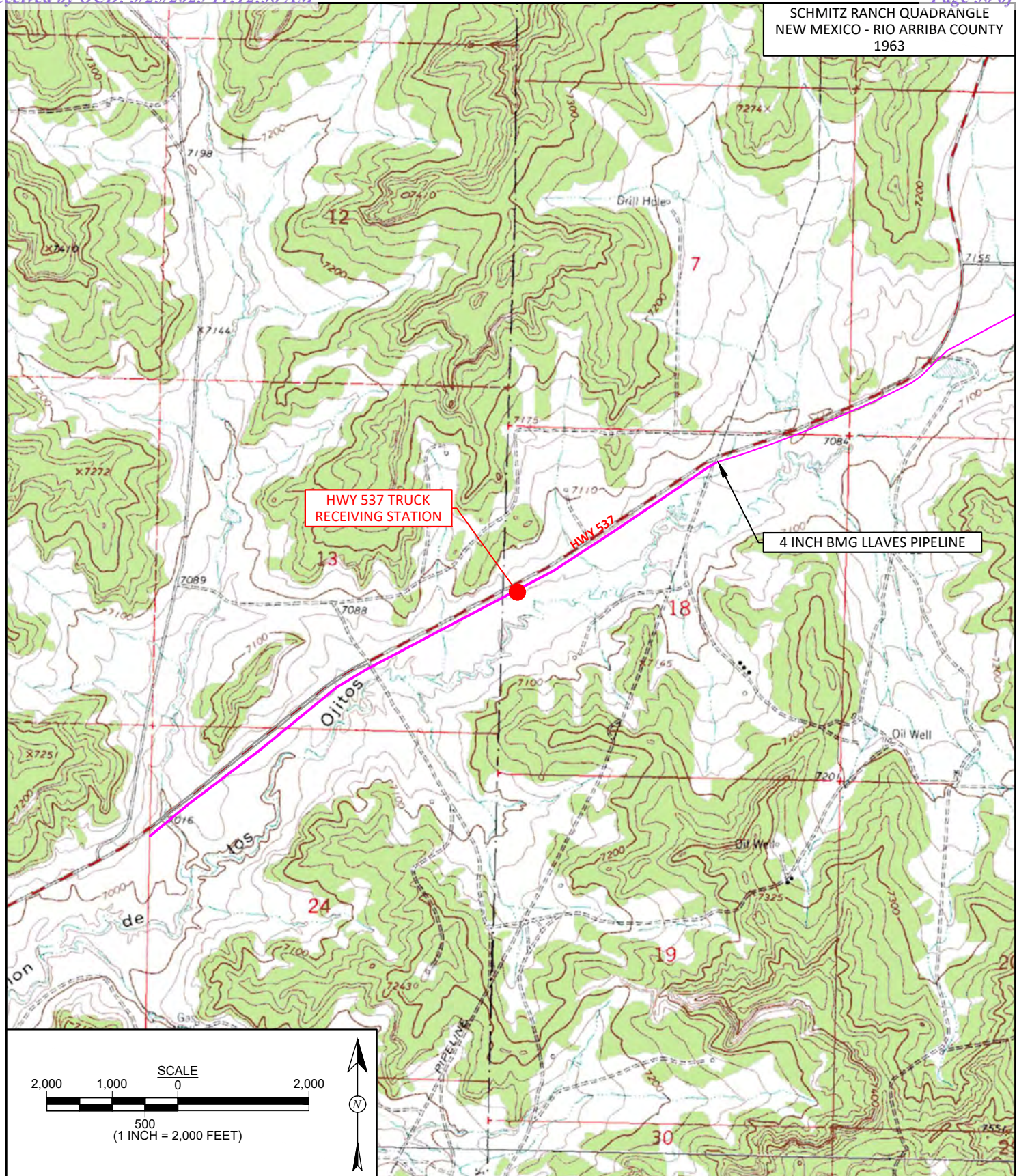
mg/L - Milligrams per liter (ppm)

(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



DRAWN BY:

C. Lameman

DATE DRAWN:

January 10, 2013

REVISIONS BY:

C. Lameman

DATE REVISED:

January 20, 2025

CHECKED BY:

L. Cupps

DATE CHECKED:

January 20, 2025

APPROVED BY:

E. McNally

DATE APPROVED:

January 20, 2025

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



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

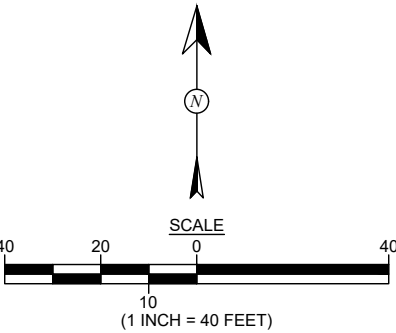
FIGURE 2

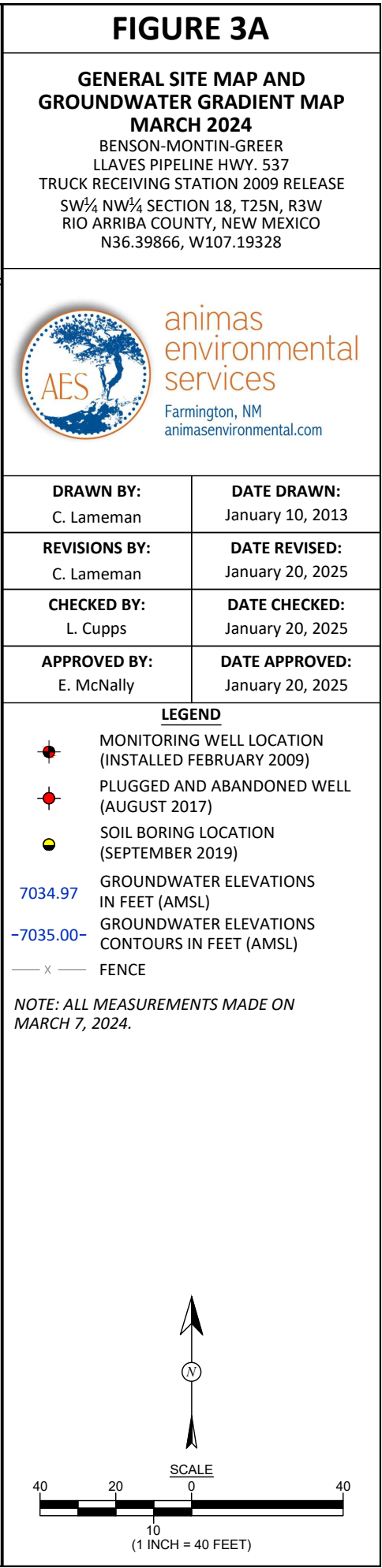
AERIAL SITE MAP
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW¼ NW¼ SECTION 18, T25N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.39866, W107.19328



DRAWN BY: C. Lameman	DATE DRAWN: January 10, 2013
REVISIONS BY: C. Lameman	DATE REVISED: January 20, 2025
CHECKED BY: L. Cupps	DATE CHECKED: January 20, 2025
APPROVED BY: E. McNally	DATE APPROVED: January 20, 2025

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





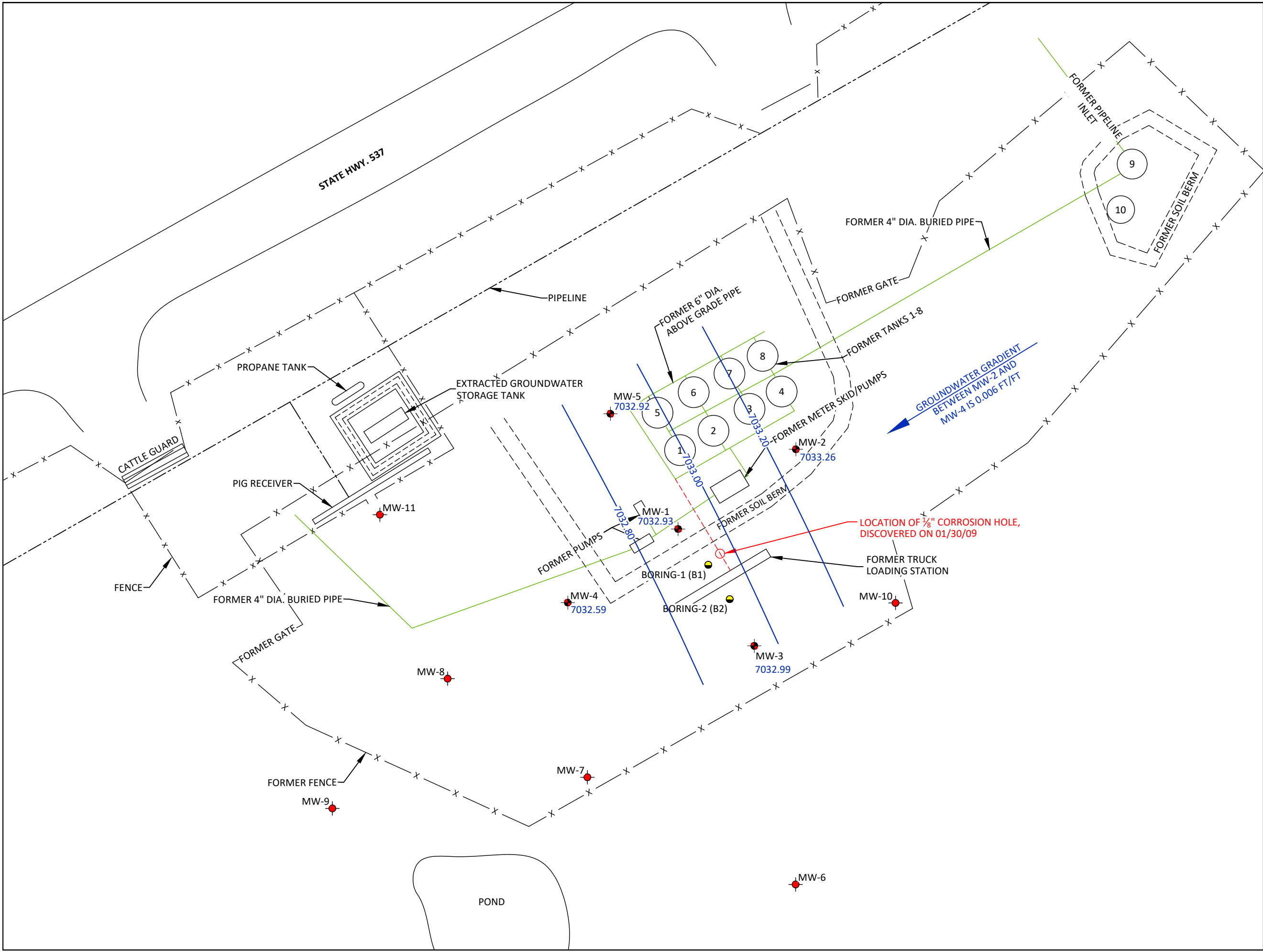


FIGURE 3B

GENERAL SITE MAP AND
GROUNDWATER GRADIENT MAP
MAY 2024

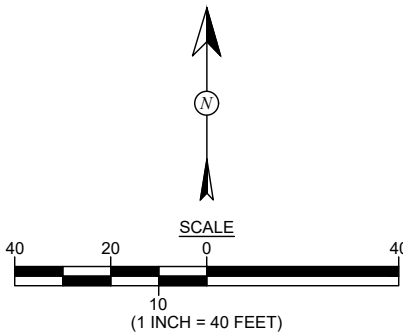
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW¼ NW¼ SECTION 18, T25N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.39866, W107.19328



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DRAWN BY: C. Lameman	DATE DRAWN: January 10, 2013
REVISIONS BY: C. Lameman	DATE REVISED: January 20, 2025
CHECKED BY: L. Cupps	DATE CHECKED: January 20, 2025
APPROVED BY: E. McNally	DATE APPROVED: January 20, 2025

- 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 MAY 29, 2024.



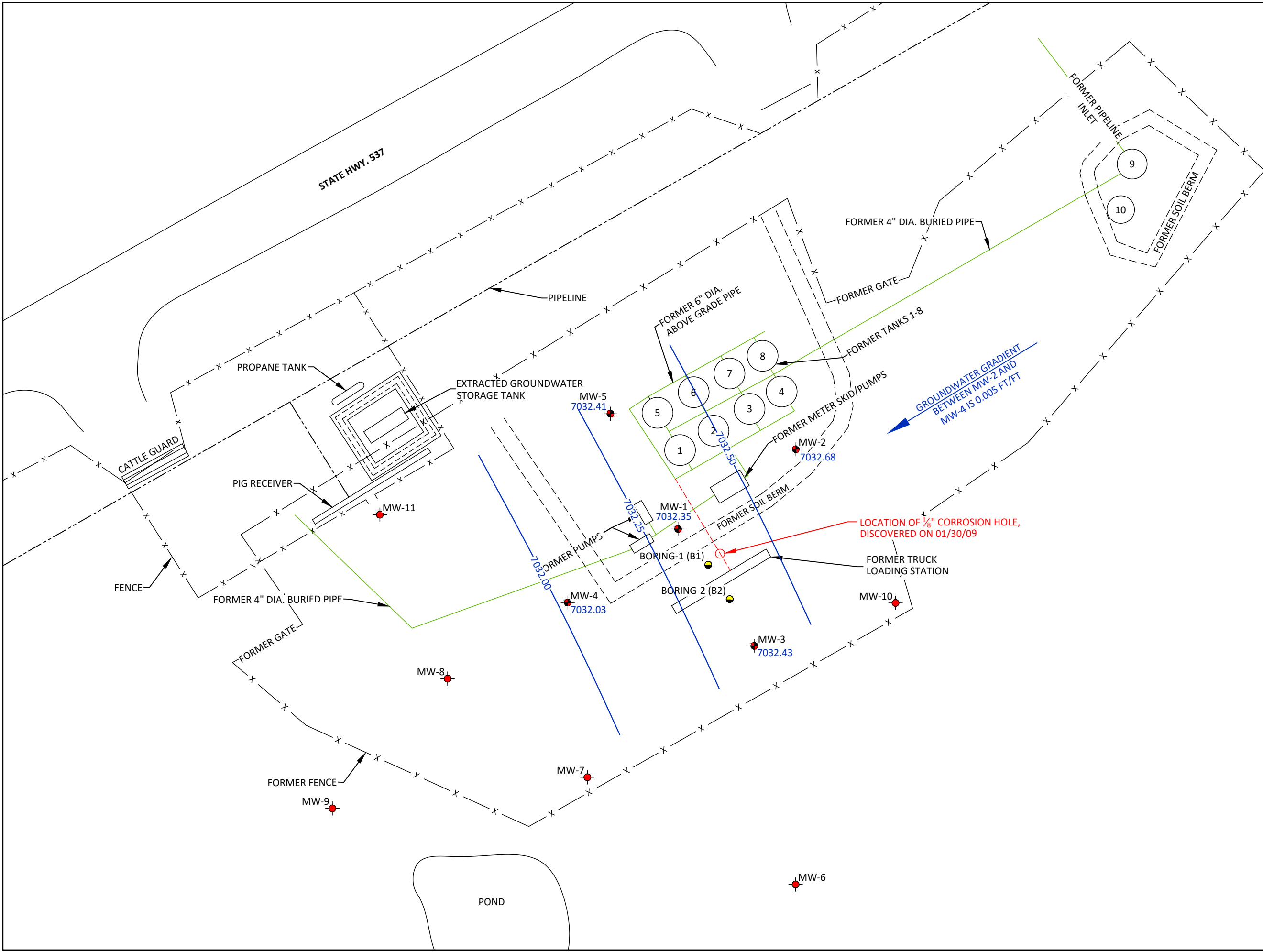


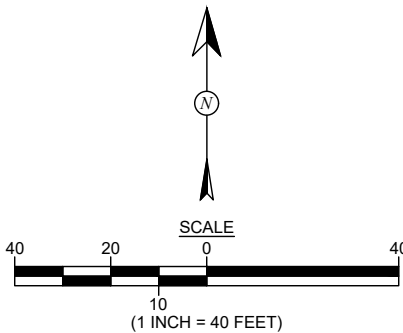
FIGURE 3C

**GENERAL SITE MAP AND
GROUNDWATER GRADIENT MAP
SEPTEMBER 2024**
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



DRAWN BY: C. Lameman	DATE DRAWN: January 10, 2013
REVISIONS BY: C. Lameman	DATE REVISED: January 20, 2025
CHECKED BY: L. Cupps	DATE CHECKED: January 20, 2025
APPROVED BY: E. McNally	DATE APPROVED: January 20, 2025

- LEGEND**
- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
 - PLUGGED AND ABANDONED WELL (AUGUST 2017)
 - SOIL BORING LOCATION (SEPTEMBER 2019)
 - 7032.68 GROUNDWATER ELEVATIONS IN FEET (AMSL)
 - 7032.25- GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)
 - x - FENCE
- NOTE: ALL MEASUREMENTS MADE ON SEPTEMBER 5, 2024.



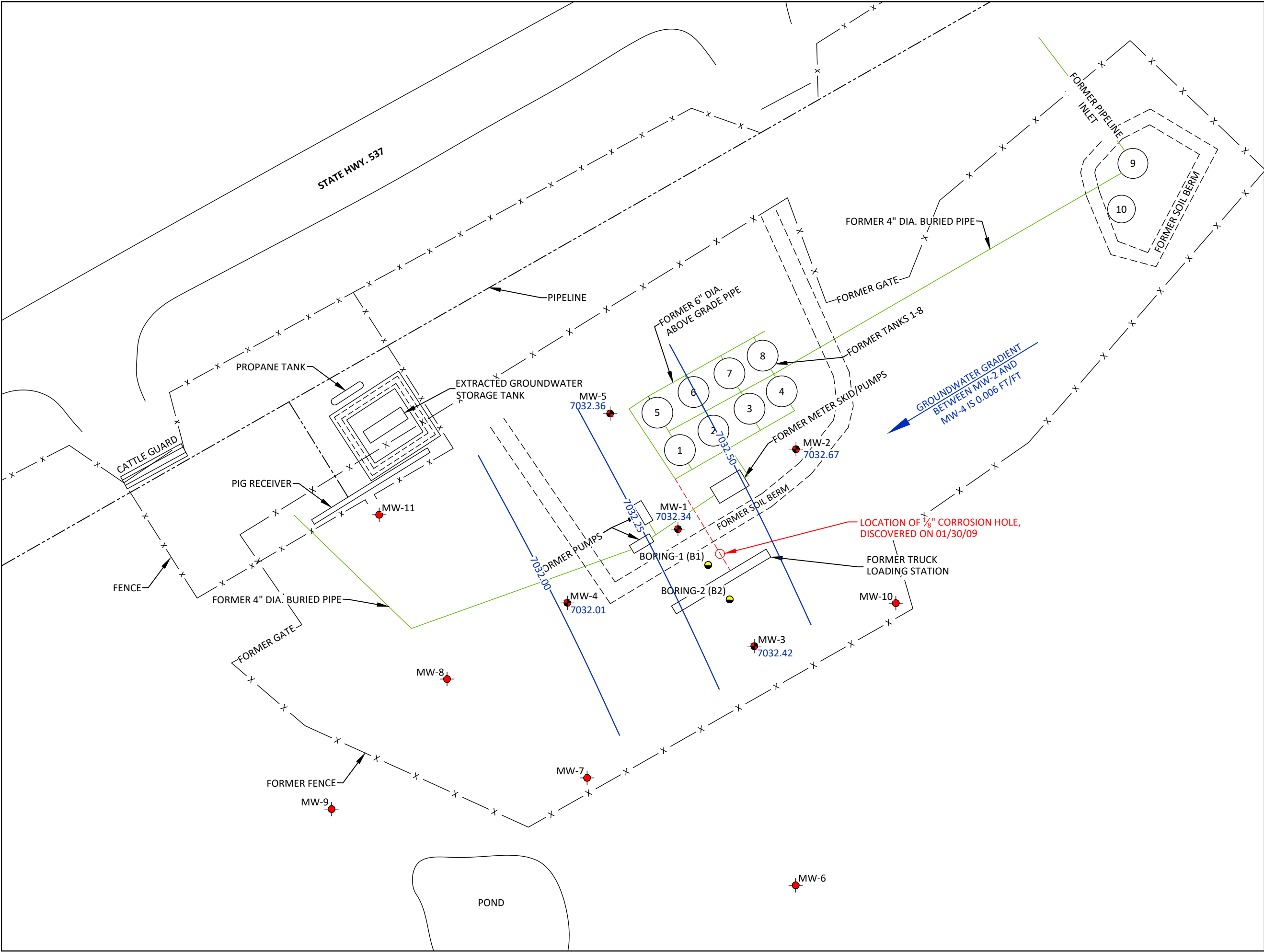


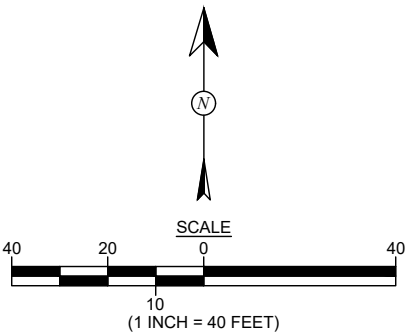
FIGURE 3D

**GENERAL SITE MAP AND
GROUNDWATER GRADIENT MAP
DECEMBER 2024**
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



DRAWN BY: C. Lameman	DATE DRAWN: January 10, 2013
REVISIONS BY: C. Lameman	DATE REVISED: January 20, 2025
CHECKED BY: L. Cupps	DATE CHECKED: January 20, 2025
APPROVED BY: E. McNally	DATE APPROVED: January 20, 2025

- LEGEND**
- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
 - PLUGGED AND ABANDONED WELL (AUGUST 2017)
 - SOIL BORING LOCATION (SEPTEMBER 2019)
 - 7032.67 GROUNDWATER ELEVATIONS IN FEET (AMSL)
 - 7032.25- GROUNDWATER ELEVATIONS CONTOURS IN FEET (AMSL)
 - x - FENCE
- NOTE: ALL MEASUREMENTS MADE ON DECEMBER 4, 2024.



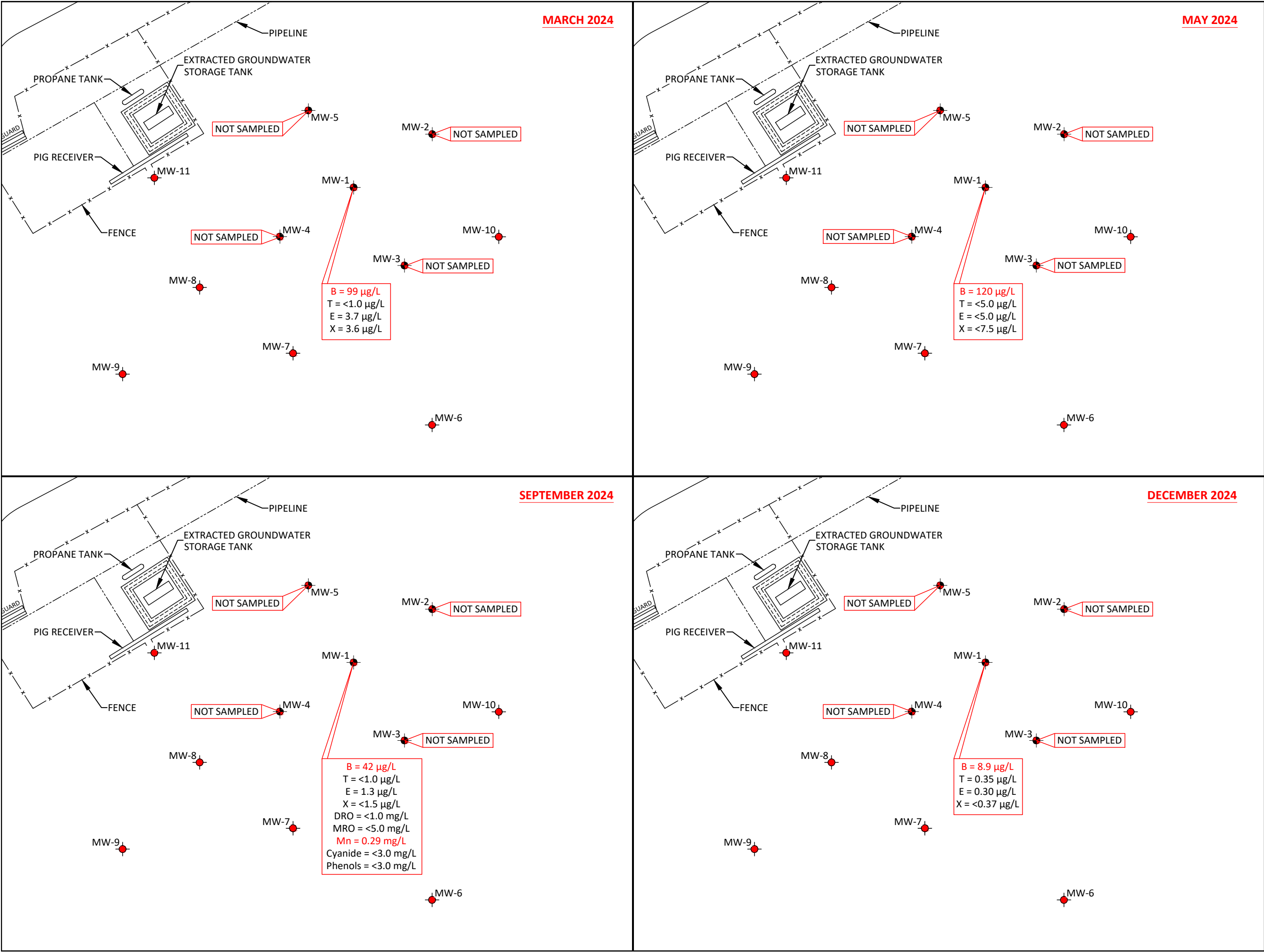


FIGURE 4

2024 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

animas environmental services
Farmington, NM
animasenvironmental.com

DRAWN BY: C. Lameman	DATE DRAWN: January 10, 2013
REVISIONS BY: C. Lameman	DATE REVISED: January 20, 2025
CHECKED BY: L. Cupps	DATE CHECKED: January 20, 2025
APPROVED BY: E. McNally	DATE APPROVED: January 20, 2025

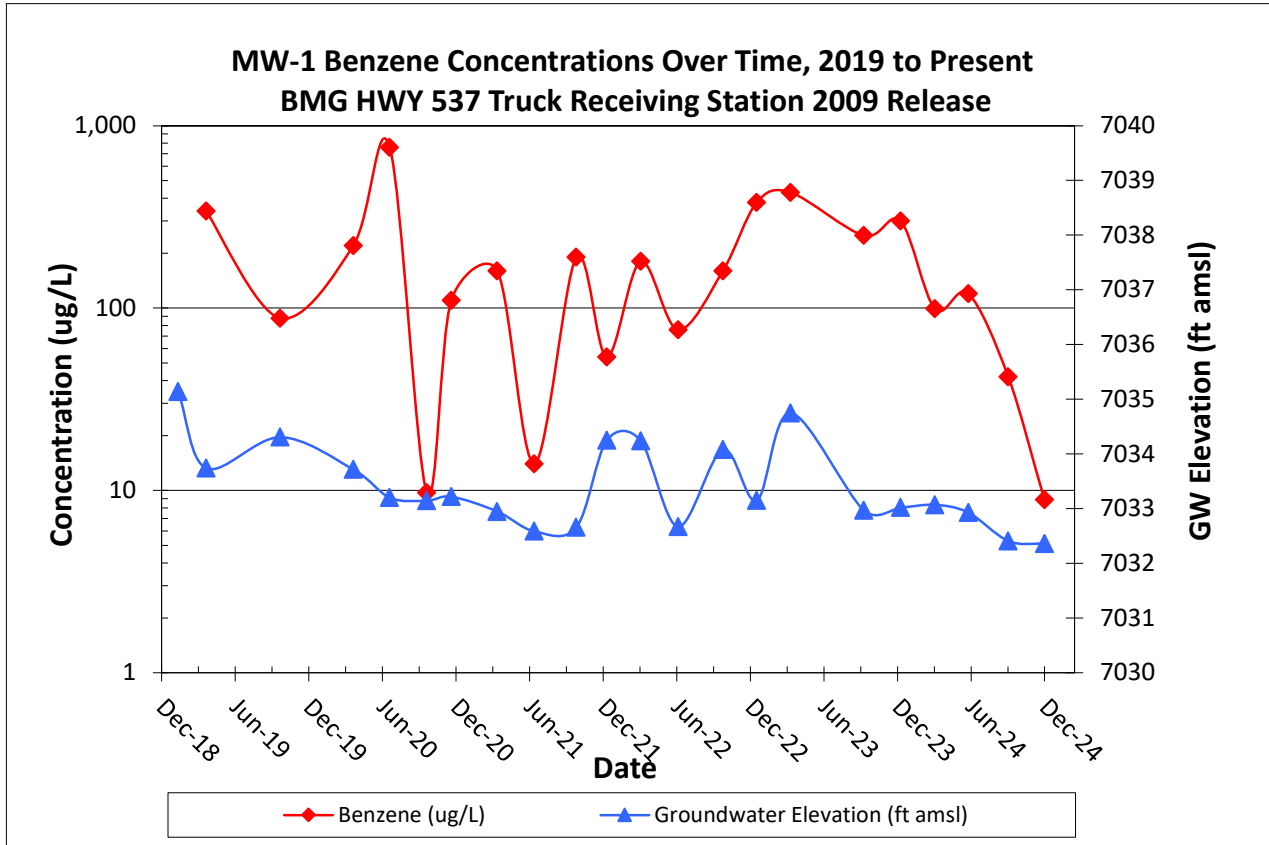
LEGEND

- MONITORING WELL LOCATION (INSTALLED FEBRUARY 2009)
- PLUGGED AND ABANDONED WELL (AUGUST 2017)
- FENCE
- B BENZENE
- T TOLUENE
- E ETHYL-BENZENE
- X XYLENES
- Mn MANGANESE
- DRO DIESEL RANGE ORGANICS
- MRO MOTOR OIL RANGE ORGANICS
- NA NOT ANALYZED
- µg/L MICROGRAMS PER LITER (ppb)
- mg/L MILLIGRAMS PER LITER (ppm)
- < BELOW DETECTION LIMIT

NOTE: ALL SAMPLES COLLECTED ON MARCH 7, MAY 29, SEPTEMBER 5, AND DECEMBER 4, 2024. ANALYZED PER EPA METHOD 8021B/8260B, 8015B, 6010, 4500 CN AND SW-846 9067.

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

Graphs



Appendix

Released to Imaging: 9/19/2025 10:14:06 AM

Animas Environmental Services

624 E Comanche St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project No.:

Date: 03-07-24

Arrival Time: 9:38

Air Temp: 47° Partly Cloudy

T.O.C. Elev. (ft): 7064.66

Total Well Depth (ft): 39.44

Confirm D.T.W. (ft): 31.59 Time: 9.56 (taken prior to purging well)

If NAPL Present: D.T.P.: D.T.W.: Thickness: Time:

Water Quality Parameters - Recorded During Well Purging

YSI #

Time	Temp (deg C)	Conductivity (μ S) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
No Water Quality Readings Due Snow							
9:58							
10:14						Samples Collected	

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

USEPA Method 8021 for BTEX and 8015 for TPH (GRO/DRO/MRO) -

(5 - HgCl₂ 40 mL VOAs and 1 - 125 mL Amber glass non-preserve)

Disposal of Purged Water: On-site Burn / Containment

Collected Samples Stored on Ice in Cooler:

Chain of Custody Record Complete: *Yes*

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments: 3.8g calculated Perge Vol.

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.

Animas Environmental Services

624 E Comanche St., Farmington NM 87401

Site: BMG

Project No.:

Location: 2009 Release

Date: 05/29/24

Project: Groundwater Monitoring and Sampling

Arrival Time: 11:36

Sampling Technician: WT/KD

Air Temp: 73°

Purge / No Purge: Purge

T.O.C. Elev. (ft): 7064.66

Well Diameter (in): 2

Total Well Depth (ft): 39.44

Initial D.T.W. (ft): 31.73

Time: 11:49 (taken at initial gauging of all wells)

Confirm D.T.W. (ft): 31.73

Time: 11:50 (taken prior to purging well)

Final D.T.W. (ft): 31.85

Time: 12:13 (taken after sample collection)

If NAPL Present: D.T.P.:

D.T.W.: Thickness: Time:

Water Quality Parameters - Recorded During Well Purging

YSI # 2 - 10

[illegible]

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

USEPA Method 8021 for BTEX and 8015 for TPH (GRO/DRO/MRO) -

(5 - HgCl₂ 40 mL VOAs and 1 - 125 mL Amber glass non-preserve)

Disposal of Purged Water: Inside containment barrel - No drainage to SW drains

Collected Samples Stored on Ice in Cooler: 115

Chain of Custody Record Complete: *llc*

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments:

Calculated Surge - 3.7 gallons \approx (4.0)

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Animas Environmental Services

624 E Comanche St., Farmington NM 87401

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

Project No.:

Date: 9/5/24

Arrival Time: 12:23

Air Temp: 80°

T.O.C. Elev. (ft): 7064.66

Total Well Depth (ft): 39.44

Initial D.T.W. (ft): 32.31 Time: 12:23 (taken at initial gauging of all wells)

Confirm D.T.W. (ft): 32.31 Time: 12:24 (taken prior to purging well)

Final D.T.W. (ft): 32.46 Time: 12:56 (taken after sample collection)

If NAPL Present: D.T.P.: 32.31 D.T.W.: 32.31 Thickness: Sheen Time: 12:23

Water Quality Parameters - Recorded During Well Purging

YSI #

Time	Temp (deg C)	Conductivity (μS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
12:29	No	Water Quality Readings Due To Spoon					Turbid; light brown slight odor
12:49					- Samples Collected -		

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

Disposal of Purged Water: Storage bucket

Collected Samples Stored on Ice in Cooler: *Yes*

Chain of Custody Record Complete: Yes

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments: Calculated Pore - 3.49 gallons @ 3.5

Actual Purge - 3.5 gallons

* Sock replaced *

- Sheen was very faint -

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Animas Environmental Services

624 E Comanche St., Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project No.:

Date: 12-4-24

Arrival Time: 14:52

Air Temp: 55° F

T.O.C. Elev. (ft): 7064.66

Total Well Depth (ft): 39.5

(taken at initial gauging of all wells)

(taken prior to purging well)

(taken after sample collection)

If NAPL Present: D.T.P.: _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

YSI #

Time	Temp (deg C)	Conductivity (μ S) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
15:00	NO WATER QUALITY READINGS DUE TO SHEEN (Clear w/AC)						
15:15	— Sample Collected —						

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

USEPA Method 8021 for BTEX and 8015 for TPH (GRO/DRO/MRO) -

(5 - HgCl₂ 40 mL VOAs and 1 - 125 mL Amber glass non-preserve)

Disposal of Purged Water: *In Bucket / offsite Disposal*

Collected Samples Stored on Ice in Cooler: *4/4*

Chain of Custody Record Complete: *yes*

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments: Calculated purge volume - 3.5 gallons

removed absorbent sock before purging, replaced w/ new after sampling

Animas Environmental Services

624 E Comanche St., Farmington NM 87401

Site: BMG

Project No.:

Location: 2009 Release

Date: 12-4-24

Project: Groundwater Monitoring and Sampling

Arrival Time: 14:24

Sampling Technician: SL/JO

Air Temp: 55°F

Purge / No Purge: Purge

T.O.C. Elev. (ft): 7064.65

Well Diameter (in): 2

Total Well Depth (ft): ~44.00

Initial D.T.W. (ft): 31.98 Time: 14:25 (taken at initial gauging of all wells)

Confirm D.T.W. (ft): 31.98 Time: 14:26 (taken prior to purging well)

Final D.T.W. (ft): 32.18 Time: 14:36 (taken after sample collection)

If NAPL Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Water Quality Parameters - Recorded During Well Purging

YSI #[illegible]**Analytical Parameters (include analysis method and number and type of sample containers)**

Disposal of Purged Water: NA

Collected Samples Stored on Ice in Cooler: NA

Chain of Custody Record Complete: NA

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments: Calculated Purge Volume: 5.4

No samples collected

MONITORING WELL SAMPLING RECORDMonitor Well No: MW-4

Animas Environmental Services

624 E Comanche St., Farmington NM 87401

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

Site: BMGLocation: 2009 ReleaseProject: Groundwater Monitoring and SamplingSampling Technician: JK/JOPurge / No Purge: PurgeWell Diameter (in): 2Initial D.T.W. (ft): 31.71Confirm D.T.W. (ft): 31.71Final D.T.W. (ft): 31.84

If NAPL Present: D.T.P.: _____

Project No.: _____

Date: 12-4-24Arrival Time: 13:42Air Temp: 55°T.O.C. Elev. (ft): 7063.72Total Well Depth (ft): ± 43.0Time: 13:43 (taken at initial gauging of all wells)Time: 13:44 (taken prior to purging well)Time: 14:00 (taken after sample collection)

D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well PurgingYSI # 1 - Jo

Time	Temp (deg C)	Conductivity (μ S) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
13:51	13.5	3828	1.86	7.23	241.6	25 initial	slightly turbid - clear
13:54	13.6	3839	2.14	7.22	222.7	1 gallon	turbid brown no odor
13:56	12.7	2812	1.40	7.26	211.1	2 gallons	SAA
13:59	12.7	3819	2.14	7.23	199.7	3 gallons	SAA

Analytical Parameters (include analysis method and number and type of sample containers)Disposal of Purged Water: N/ACollected Samples Stored on Ice in Cooler: N/AChain of Custody Record Complete: N/AAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter

and New Disposable Bailer

Notes/Comments:

Calculated Purge Vol - 5.5 gallons
No Samples Collected

Animas Environmental Services

624 E Comanche St., Farmington NM 87401

Site: BMG

Project No.:

Location: 2009 Release

Date: 12-4-24

Project: Groundwater Monitoring and Sampling

Arrival Time: 14:37

Sampling Technician: 1110

Air Temp: 55° F

Purge / No Purge: Purge

T.O.C. Elev. (ft): 7064.79

Well Diameter (in): 2

Total Well Depth (ft): 44.01

Initial D.T.W. (ft): 32.43 Time: 14:38 (taken at initial gauging of all wells)

Confirm D.T.W. (ft): 32.43 Time: 14:38 (taken prior to purging well)

Final D.T.W. (ft): 35.44 Time: 14:49 (taken after sample collection)

If NAPI Present: D.T.P.: — D.T.W.: — Thickness: — Time: —

Water Quality Parameters - Recorded During Well Purging

YSI # 1

[illegible]

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

Disposal of Purged Water: NA

Collected Samples Stored on Ice in Cooler: *NA*

Chain of Custody Record Complete: NA

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments: Calculated Purge Volume: 5.67

No samples collected



Environment Testing

1

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ANALYTICAL REPORT

PREPARED FOR

Attn: Angela Todd
Animas Environmental Services
624 E. Comanche
Farmington, New Mexico 87401

Generated 3/20/2024 3:59:02 PM

JOB DESCRIPTION

BMG Hwy 537 2009 Release

JOB NUMBER

885-832-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.
Released to Imaging: 3/19/2025 10:14:06 AM

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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3/20/2024 3:59:02 PM

Authorized for release by
John Caldwell, Project Manager
john.caldwell@et.eurofinsus.com
(505)345-3975

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

Laboratory Job ID: 885-832-1

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Definitions/Glossary

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

Job ID: 885-832-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Albuquerque

Case Narrative

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

Job ID: 885-832-1

Job ID: 885-832-1

Eurofins Albuquerque

Job Narrative
885-832-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/9/2024 8:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

GC/MS VOA

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

Eurofins Albuquerque

Client Sample Results

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

Job ID: 885-832-1

Client Sample ID: MW-1

Lab Sample ID: 885-832-1

Date Collected: 03/07/24 10:14

Matrix: Water

Date Received: 03/09/24 08:20

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			03/15/24 14:43	1
1,1,1-Trichloroethane	ND		1.0	ug/L			03/15/24 14:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			03/15/24 14:43	1
1,1,2-Trichloroethane	ND		1.0	ug/L			03/15/24 14:43	1
1,1-Dichloroethane	ND		1.0	ug/L			03/15/24 14:43	1
1,1-Dichloroethene	ND		1.0	ug/L			03/15/24 14:43	1
1,1-Dichloropropene	ND		1.0	ug/L			03/15/24 14:43	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			03/15/24 14:43	1
1,2,3-Trichloropropane	ND		2.0	ug/L			03/15/24 14:43	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			03/15/24 14:43	1
1,2,4-Trimethylbenzene	3.2		1.0	ug/L			03/15/24 14:43	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			03/15/24 14:43	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			03/15/24 14:43	1
1,2-Dichlorobenzene	ND		1.0	ug/L			03/15/24 14:43	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			03/15/24 14:43	1
1,2-Dichloropropane	ND		1.0	ug/L			03/15/24 14:43	1
1,3,5-Trimethylbenzene	2.7		1.0	ug/L			03/15/24 14:43	1
1,3-Dichlorobenzene	ND		1.0	ug/L			03/15/24 14:43	1
1,3-Dichloropropane	ND		1.0	ug/L			03/15/24 14:43	1
1,4-Dichlorobenzene	ND		1.0	ug/L			03/15/24 14:43	1
1-Methylnaphthalene	ND		4.0	ug/L			03/15/24 14:43	1
2,2-Dichloropropane	ND		2.0	ug/L			03/15/24 14:43	1
2-Butanone	ND		10	ug/L			03/15/24 14:43	1
2-Chlorotoluene	ND		1.0	ug/L			03/15/24 14:43	1
2-Hexanone	ND		10	ug/L			03/15/24 14:43	1
2-Methylnaphthalene	ND		4.0	ug/L			03/15/24 14:43	1
4-Chlorotoluene	ND		1.0	ug/L			03/15/24 14:43	1
4-Isopropyltoluene	ND		1.0	ug/L			03/15/24 14:43	1
4-Methyl-2-pentanone	ND		10	ug/L			03/15/24 14:43	1
Acetone	ND		10	ug/L			03/15/24 14:43	1
Benzene	99		1.0	ug/L			03/15/24 14:43	1
Bromobenzene	ND		1.0	ug/L			03/15/24 14:43	1
Bromodichloromethane	ND		1.0	ug/L			03/15/24 14:43	1
Dibromochloromethane	ND		1.0	ug/L			03/15/24 14:43	1
Bromoform	ND		1.0	ug/L			03/15/24 14:43	1
Bromomethane	ND		3.0	ug/L			03/15/24 14:43	1
Carbon disulfide	ND		10	ug/L			03/15/24 14:43	1
Carbon tetrachloride	ND		1.0	ug/L			03/15/24 14:43	1
Chlorobenzene	ND		1.0	ug/L			03/15/24 14:43	1
Chloroethane	ND		2.0	ug/L			03/15/24 14:43	1
Chloroform	ND		1.0	ug/L			03/15/24 14:43	1
Chloromethane	ND		3.0	ug/L			03/15/24 14:43	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			03/15/24 14:43	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			03/15/24 14:43	1
Dibromomethane	ND		1.0	ug/L			03/15/24 14:43	1
Dichlorodifluoromethane	ND		1.0	ug/L			03/15/24 14:43	1
Ethylbenzene	3.7		1.0	ug/L			03/15/24 14:43	1
Hexachlorobutadiene	ND		1.0	ug/L			03/15/24 14:43	1
Isopropylbenzene	ND		1.0	ug/L			03/15/24 14:43	1

Eurofins Albuquerque

Client Sample Results

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

Job ID: 885-832-1

Client Sample ID: MW-1

Lab Sample ID: 885-832-1

Date Collected: 03/07/24 10:14

Matrix: Water

Date Received: 03/09/24 08:20

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			03/15/24 14:43	1
Methylene Chloride	ND		3.0	ug/L			03/15/24 14:43	1
n-Butylbenzene	ND		3.0	ug/L			03/15/24 14:43	1
N-Propylbenzene	ND		1.0	ug/L			03/15/24 14:43	1
Naphthalene	ND		2.0	ug/L			03/15/24 14:43	1
sec-Butylbenzene	ND		1.0	ug/L			03/15/24 14:43	1
Styrene	ND		1.0	ug/L			03/15/24 14:43	1
tert-Butylbenzene	ND		1.0	ug/L			03/15/24 14:43	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			03/15/24 14:43	1
Toluene	ND		1.0	ug/L			03/15/24 14:43	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			03/15/24 14:43	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			03/15/24 14:43	1
Trichloroethene (TCE)	ND		1.0	ug/L			03/15/24 14:43	1
Trichlorofluoromethane	ND		1.0	ug/L			03/15/24 14:43	1
Vinyl chloride	ND		1.0	ug/L			03/15/24 14:43	1
Xylenes, Total	3.6		1.5	ug/L			03/15/24 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130		03/15/24 14:43	1
Toluene-d8 (Surr)	104		70 - 130		03/15/24 14:43	1
4-Bromofluorobenzene (Surr)	103		70 - 130		03/15/24 14:43	1
Dibromofluoromethane (Surr)	96		70 - 130		03/15/24 14:43	1

Client Sample ID: Trip Blank

Lab Sample ID: 885-832-2

Date Collected: 03/07/24 00:00

Matrix: Water

Date Received: 03/09/24 08:20

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			03/15/24 15:07	1
1,1,1-Trichloroethane	ND		1.0	ug/L			03/15/24 15:07	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			03/15/24 15:07	1
1,1,2-Trichloroethane	ND		1.0	ug/L			03/15/24 15:07	1
1,1-Dichloroethane	ND		1.0	ug/L			03/15/24 15:07	1
1,1-Dichloroethene	ND		1.0	ug/L			03/15/24 15:07	1
1,1-Dichloropropene	ND		1.0	ug/L			03/15/24 15:07	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			03/15/24 15:07	1
1,2,3-Trichloropropane	ND		2.0	ug/L			03/15/24 15:07	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			03/15/24 15:07	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			03/15/24 15:07	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			03/15/24 15:07	1
1,2-Dichlorobenzene	ND		1.0	ug/L			03/15/24 15:07	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			03/15/24 15:07	1
1,2-Dichloropropane	ND		1.0	ug/L			03/15/24 15:07	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
1,3-Dichlorobenzene	ND		1.0	ug/L			03/15/24 15:07	1
1,3-Dichloropropane	ND		1.0	ug/L			03/15/24 15:07	1
1,4-Dichlorobenzene	ND		1.0	ug/L			03/15/24 15:07	1
1-Methylnaphthalene	ND		4.0	ug/L			03/15/24 15:07	1

Eurofins Albuquerque

Client Sample Results

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

Job ID: 885-832-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-832-2

Date Collected: 03/07/24 00:00

Matrix: Water

Date Received: 03/09/24 08:20

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		2.0	ug/L			03/15/24 15:07	1
2-Butanone	ND		10	ug/L			03/15/24 15:07	1
2-Chlorotoluene	ND		1.0	ug/L			03/15/24 15:07	1
2-Hexanone	ND		10	ug/L			03/15/24 15:07	1
2-Methylnaphthalene	ND		4.0	ug/L			03/15/24 15:07	1
4-Chlorotoluene	ND		1.0	ug/L			03/15/24 15:07	1
4-Isopropyltoluene	ND		1.0	ug/L			03/15/24 15:07	1
4-Methyl-2-pentanone	ND		10	ug/L			03/15/24 15:07	1
Acetone	ND		10	ug/L			03/15/24 15:07	1
Benzene	ND		1.0	ug/L			03/15/24 15:07	1
Bromobenzene	ND		1.0	ug/L			03/15/24 15:07	1
Bromodichloromethane	ND		1.0	ug/L			03/15/24 15:07	1
Dibromochloromethane	ND		1.0	ug/L			03/15/24 15:07	1
Bromoform	ND		1.0	ug/L			03/15/24 15:07	1
Bromomethane	ND		3.0	ug/L			03/15/24 15:07	1
Carbon disulfide	ND		10	ug/L			03/15/24 15:07	1
Carbon tetrachloride	ND		1.0	ug/L			03/15/24 15:07	1
Chlorobenzene	ND		1.0	ug/L			03/15/24 15:07	1
Chloroethane	ND		2.0	ug/L			03/15/24 15:07	1
Chloroform	ND		1.0	ug/L			03/15/24 15:07	1
Chloromethane	ND		3.0	ug/L			03/15/24 15:07	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			03/15/24 15:07	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			03/15/24 15:07	1
Dibromomethane	ND		1.0	ug/L			03/15/24 15:07	1
Dichlorodifluoromethane	ND		1.0	ug/L			03/15/24 15:07	1
Ethylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
Hexachlorobutadiene	ND		1.0	ug/L			03/15/24 15:07	1
Isopropylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			03/15/24 15:07	1
Methylene Chloride	ND		3.0	ug/L			03/15/24 15:07	1
n-Butylbenzene	ND		3.0	ug/L			03/15/24 15:07	1
N-Propylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
Naphthalene	ND		2.0	ug/L			03/15/24 15:07	1
sec-Butylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
Styrene	ND		1.0	ug/L			03/15/24 15:07	1
tert-Butylbenzene	ND		1.0	ug/L			03/15/24 15:07	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			03/15/24 15:07	1
Toluene	ND		1.0	ug/L			03/15/24 15:07	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			03/15/24 15:07	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			03/15/24 15:07	1
Trichloroethene (TCE)	ND		1.0	ug/L			03/15/24 15:07	1
Trichlorofluoromethane	ND		1.0	ug/L			03/15/24 15:07	1
Vinyl chloride	ND		1.0	ug/L			03/15/24 15:07	1
Xylenes, Total	ND		1.5	ug/L			03/15/24 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		03/15/24 15:07	1
Toluene-d8 (Surr)	95		70 - 130		03/15/24 15:07	1
4-Bromofluorobenzene (Surr)	97		70 - 130		03/15/24 15:07	1
Dibromofluoromethane (Surr)	101		70 - 130		03/15/24 15:07	1

Eurofins Albuquerque

QC Sample Results

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

Job ID: 885-832-1

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

Lab Sample ID: MB 885-1955/3

Matrix: Water

Analysis Batch: 1955

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			03/15/24 14:18	1
1,1,1-Trichloroethane	ND		1.0	ug/L			03/15/24 14:18	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			03/15/24 14:18	1
1,1,2-Trichloroethane	ND		1.0	ug/L			03/15/24 14:18	1
1,1-Dichloroethane	ND		1.0	ug/L			03/15/24 14:18	1
1,1-Dichloroethene	ND		1.0	ug/L			03/15/24 14:18	1
1,1-Dichloropropene	ND		1.0	ug/L			03/15/24 14:18	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			03/15/24 14:18	1
1,2,3-Trichloropropane	ND		2.0	ug/L			03/15/24 14:18	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			03/15/24 14:18	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			03/15/24 14:18	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			03/15/24 14:18	1
1,2-Dichlorobenzene	ND		1.0	ug/L			03/15/24 14:18	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			03/15/24 14:18	1
1,2-Dichloropropane	ND		1.0	ug/L			03/15/24 14:18	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
1,3-Dichlorobenzene	ND		1.0	ug/L			03/15/24 14:18	1
1,3-Dichloropropane	ND		1.0	ug/L			03/15/24 14:18	1
1,4-Dichlorobenzene	ND		1.0	ug/L			03/15/24 14:18	1
1-Methylnaphthalene	ND		4.0	ug/L			03/15/24 14:18	1
2,2-Dichloropropane	ND		2.0	ug/L			03/15/24 14:18	1
2-Butanone	ND		10	ug/L			03/15/24 14:18	1
2-Chlorotoluene	ND		1.0	ug/L			03/15/24 14:18	1
2-Hexanone	ND		10	ug/L			03/15/24 14:18	1
2-Methylnaphthalene	ND		4.0	ug/L			03/15/24 14:18	1
4-Chlorotoluene	ND		1.0	ug/L			03/15/24 14:18	1
4-Isopropyltoluene	ND		1.0	ug/L			03/15/24 14:18	1
4-Methyl-2-pentanone	ND		10	ug/L			03/15/24 14:18	1
Acetone	ND		10	ug/L			03/15/24 14:18	1
Benzene	ND		1.0	ug/L			03/15/24 14:18	1
Bromobenzene	ND		1.0	ug/L			03/15/24 14:18	1
Bromodichloromethane	ND		1.0	ug/L			03/15/24 14:18	1
Dibromochloromethane	ND		1.0	ug/L			03/15/24 14:18	1
Bromoform	ND		1.0	ug/L			03/15/24 14:18	1
Bromomethane	ND		3.0	ug/L			03/15/24 14:18	1
Carbon disulfide	ND		10	ug/L			03/15/24 14:18	1
Carbon tetrachloride	ND		1.0	ug/L			03/15/24 14:18	1
Chlorobenzene	ND		1.0	ug/L			03/15/24 14:18	1
Chloroethane	ND		2.0	ug/L			03/15/24 14:18	1
Chloroform	ND		1.0	ug/L			03/15/24 14:18	1
Chloromethane	ND		3.0	ug/L			03/15/24 14:18	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			03/15/24 14:18	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			03/15/24 14:18	1
Dibromomethane	ND		1.0	ug/L			03/15/24 14:18	1
Dichlorodifluoromethane	ND		1.0	ug/L			03/15/24 14:18	1
Ethylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
Hexachlorobutadiene	ND		1.0	ug/L			03/15/24 14:18	1

Eurofins Albuquerque

QC Sample Results

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

Job ID: 885-832-1

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

Lab Sample ID: MB 885-1955/3

Matrix: Water

Analysis Batch: 1955

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			03/15/24 14:18	1
Methylene Chloride	ND		3.0	ug/L			03/15/24 14:18	1
n-Butylbenzene	ND		3.0	ug/L			03/15/24 14:18	1
N-Propylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
Naphthalene	ND		2.0	ug/L			03/15/24 14:18	1
sec-Butylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
Styrene	ND		1.0	ug/L			03/15/24 14:18	1
tert-Butylbenzene	ND		1.0	ug/L			03/15/24 14:18	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			03/15/24 14:18	1
Toluene	ND		1.0	ug/L			03/15/24 14:18	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			03/15/24 14:18	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			03/15/24 14:18	1
Trichloroethene (TCE)	ND		1.0	ug/L			03/15/24 14:18	1
Trichlorofluoromethane	ND		1.0	ug/L			03/15/24 14:18	1
Vinyl chloride	ND		1.0	ug/L			03/15/24 14:18	1
Xylenes, Total	ND		1.5	ug/L			03/15/24 14:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		03/15/24 14:18	1
Toluene-d8 (Surr)	96		70 - 130		03/15/24 14:18	1
4-Bromofluorobenzene (Surr)	100		70 - 130		03/15/24 14:18	1
Dibromofluoromethane (Surr)	101		70 - 130		03/15/24 14:18	1

Lab Sample ID: LCS 885-1955/2

Matrix: Water

Analysis Batch: 1955

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	17.7		ug/L		88	70 - 130
Benzene	20.1	18.9		ug/L		94	70 - 130
Chlorobenzene	20.1	19.9		ug/L		99	70 - 130
Toluene	20.2	19.2		ug/L		95	70 - 130
Trichloroethene (TCE)	20.2	18.6		ug/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Lab Sample ID: 885-832-1 MS

Matrix: Water

Analysis Batch: 1955

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	ND		20.1	17.1		ug/L		85	70 - 130
Benzene	99		20.1	91.0	4	ug/L		-39	70 - 130

Eurofins Albuquerque

QC Sample Results

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

Job ID: 885-832-1

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

Lab Sample ID: 885-832-1 MS

Matrix: Water

Analysis Batch: 1955

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	ND		20.1	19.5		ug/L		97	70 - 130
Toluene	ND		20.2	19.9		ug/L		97	70 - 130
Trichloroethene (TCE)	ND		20.2	18.1		ug/L		90	70 - 130
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	95		70 - 130						
Toluene-d8 (Surr)	102		70 - 130						
4-Bromofluorobenzene (Surr)	104		70 - 130						
Dibromofluoromethane (Surr)	95		70 - 130						

Lab Sample ID: 885-832-1 MSD

Matrix: Water

Analysis Batch: 1955

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.1	16.1		ug/L		80	70 - 130	6	20
Benzene	99		20.1	87.6	4	ug/L		-55	70 - 130	4	20
Chlorobenzene	ND		20.1	18.9		ug/L		94	70 - 130	3	20
Toluene	ND		20.2	18.9		ug/L		92	70 - 130	6	20
Trichloroethene (TCE)	ND		20.2	17.2		ug/L		85	70 - 130	5	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	94		70 - 130								
Toluene-d8 (Surr)	101		70 - 130								
4-Bromofluorobenzene (Surr)	102		70 - 130								
Dibromofluoromethane (Surr)	95		70 - 130								

Eurofins Albuquerque

QC Association Summary

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

Job ID: 885-832-1

GC/MS VOA

Analysis Batch: 1955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-832-1	MW-1	Total/NA	Water	8260B	
885-832-2	Trip Blank	Total/NA	Water	8260B	
MB 885-1955/3	Method Blank	Total/NA	Water	8260B	
LCS 885-1955/2	Lab Control Sample	Total/NA	Water	8260B	
885-832-1 MS	MW-1	Total/NA	Water	8260B	
885-832-1 MSD	MW-1	Total/NA	Water	8260B	

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Lab Chronicle

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

Job ID: 885-832-1

Client Sample ID: MW-1
Date Collected: 03/07/24 10:14
Date Received: 03/09/24 08:20

Lab Sample ID: 885-832-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	1955	CM	EET ALB	03/15/24 14:43

Client Sample ID: Trip Blank
Date Collected: 03/07/24 00:00
Date Received: 03/09/24 08:20

Lab Sample ID: 885-832-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	1955	CM	EET ALB	03/15/24 15:07

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

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

Job ID: 885-832-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Method Summary

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

Job ID: 885-832-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET ALB
5030C	Purge and Trap	SW846	EET ALB

Protocol References:

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

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Login Sample Receipt Checklist

Client: Animas Environmental Services

Job Number: 885-832-1

Login Number: 832

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



Environment Testing

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- 2
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ANALYTICAL REPORT

PREPARED FOR

Attn: Angela Todd
Animas Environmental Services
624 E. Comanche
Farmington, New Mexico 87401

Generated 6/10/2024 9:28:16 PM

JOB DESCRIPTION

BMG HWY 537 2009 Release

JOB NUMBER

885-5413-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
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Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Laboratory Job ID: 885-5413-1

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Definitions/Glossary

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 885-5413-1

Job ID: 885-5413-1Eurofins Albuquerque

Job Narrative
885-5413-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/1/2024 6:45 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

GC/MS VOA

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

Eurofins Albuquerque

Client Sample Results

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

Client Sample ID: MW-1

Lab Sample ID: 885-5413-1

Date Collected: 05/29/24 12:10

Matrix: Water

Date Received: 06/01/24 06:45

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	ug/L			06/07/24 10:38	5
1,1,1-Trichloroethane	ND		5.0	ug/L			06/07/24 10:38	5
1,1,2,2-Tetrachloroethane	ND		10	ug/L			06/07/24 10:38	5
1,1,2-Trichloroethane	ND		5.0	ug/L			06/07/24 10:38	5
1,1-Dichloroethane	ND		5.0	ug/L			06/07/24 10:38	5
1,1-Dichloroethene	ND		5.0	ug/L			06/07/24 10:38	5
1,1-Dichloropropene	ND		5.0	ug/L			06/07/24 10:38	5
1,2,3-Trichlorobenzene	ND		5.0	ug/L			06/07/24 10:38	5
1,2,3-Trichloropropane	ND		10	ug/L			06/07/24 10:38	5
1,2,4-Trichlorobenzene	ND		5.0	ug/L			06/07/24 10:38	5
1,2,4-Trimethylbenzene	ND		5.0	ug/L			06/07/24 10:38	5
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			06/07/24 10:38	5
1,2-Dibromoethane (EDB)	ND		5.0	ug/L			06/07/24 10:38	5
1,2-Dichlorobenzene	ND		5.0	ug/L			06/07/24 10:38	5
1,2-Dichloroethane (EDC)	ND		5.0	ug/L			06/07/24 10:38	5
1,2-Dichloropropane	ND		5.0	ug/L			06/07/24 10:38	5
1,3,5-Trimethylbenzene	ND		5.0	ug/L			06/07/24 10:38	5
1,3-Dichlorobenzene	ND		5.0	ug/L			06/07/24 10:38	5
1,3-Dichloropropane	ND		5.0	ug/L			06/07/24 10:38	5
1,4-Dichlorobenzene	ND		5.0	ug/L			06/07/24 10:38	5
1-Methylnaphthalene	ND		20	ug/L			06/07/24 10:38	5
2,2-Dichloropropane	ND		10	ug/L			06/07/24 10:38	5
2-Butanone	ND		50	ug/L			06/07/24 10:38	5
2-Chlorotoluene	ND		5.0	ug/L			06/07/24 10:38	5
2-Hexanone	ND		50	ug/L			06/07/24 10:38	5
2-Methylnaphthalene	ND		20	ug/L			06/07/24 10:38	5
4-Chlorotoluene	ND		5.0	ug/L			06/07/24 10:38	5
4-Isopropyltoluene	ND		5.0	ug/L			06/07/24 10:38	5
4-Methyl-2-pentanone	ND		50	ug/L			06/07/24 10:38	5
Acetone	ND		50	ug/L			06/07/24 10:38	5
Benzene	120		5.0	ug/L			06/07/24 10:38	5
Bromobenzene	ND		5.0	ug/L			06/07/24 10:38	5
Bromodichloromethane	ND		5.0	ug/L			06/07/24 10:38	5
Dibromochloromethane	ND		5.0	ug/L			06/07/24 10:38	5
Bromoform	ND		5.0	ug/L			06/07/24 10:38	5
Bromomethane	ND		15	ug/L			06/07/24 10:38	5
Carbon disulfide	ND		50	ug/L			06/07/24 10:38	5
Carbon tetrachloride	ND		5.0	ug/L			06/07/24 10:38	5
Chlorobenzene	ND		5.0	ug/L			06/07/24 10:38	5
Chloroethane	ND		10	ug/L			06/07/24 10:38	5
Chloroform	ND		5.0	ug/L			06/07/24 10:38	5
Chloromethane	ND		15	ug/L			06/07/24 10:38	5
cis-1,2-Dichloroethene	ND		5.0	ug/L			06/07/24 10:38	5
cis-1,3-Dichloropropene	ND		5.0	ug/L			06/07/24 10:38	5
Dibromomethane	ND		5.0	ug/L			06/07/24 10:38	5
Dichlorodifluoromethane	ND		5.0	ug/L			06/07/24 10:38	5
Ethylbenzene	ND		5.0	ug/L			06/07/24 10:38	5
Hexachlorobutadiene	ND		5.0	ug/L			06/07/24 10:38	5
Isopropylbenzene	ND		5.0	ug/L			06/07/24 10:38	5

Eurofins Albuquerque

Client Sample Results

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

Client Sample ID: MW-1
Date Collected: 05/29/24 12:10
Date Received: 06/01/24 06:45

Lab Sample ID: 885-5413-1
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Methyl-tert-butyl Ether (MTBE)	ND		5.0	ug/L			06/07/24 10:38	5	
Methylene Chloride	ND		15	ug/L			06/07/24 10:38	5	
n-Butylbenzene	ND		15	ug/L			06/07/24 10:38	5	
N-Propylbenzene	ND		5.0	ug/L			06/07/24 10:38	5	
Naphthalene	ND		10	ug/L			06/07/24 10:38	5	
sec-Butylbenzene	ND		5.0	ug/L			06/07/24 10:38	5	
Styrene	ND		5.0	ug/L			06/07/24 10:38	5	
tert-Butylbenzene	ND		5.0	ug/L			06/07/24 10:38	5	
Tetrachloroethene (PCE)	ND		5.0	ug/L			06/07/24 10:38	5	
Toluene	ND		5.0	ug/L			06/07/24 10:38	5	
trans-1,2-Dichloroethene	ND		5.0	ug/L			06/07/24 10:38	5	
trans-1,3-Dichloropropene	ND		5.0	ug/L			06/07/24 10:38	5	
Trichloroethene (TCE)	ND		5.0	ug/L			06/07/24 10:38	5	
Trichlorofluoromethane	ND		5.0	ug/L			06/07/24 10:38	5	
Vinyl chloride	ND		5.0	ug/L			06/07/24 10:38	5	
Xylenes, Total	ND		7.5	ug/L			06/07/24 10:38	5	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	98		70 - 130				06/07/24 10:38	5	
Toluene-d8 (Surr)	100		70 - 130				06/07/24 10:38	5	
4-Bromofluorobenzene (Surr)	101		70 - 130				06/07/24 10:38	5	
Dibromofluoromethane (Surr)	95		70 - 130				06/07/24 10:38	5	

QC Sample Results

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

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

Lab Sample ID: MB 885-6356/3

Matrix: Water

Analysis Batch: 6356

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			06/07/24 10:09	1
1,1,1-Trichloroethane	ND		1.0	ug/L			06/07/24 10:09	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			06/07/24 10:09	1
1,1,2-Trichloroethane	ND		1.0	ug/L			06/07/24 10:09	1
1,1-Dichloroethane	ND		1.0	ug/L			06/07/24 10:09	1
1,1-Dichloroethene	ND		1.0	ug/L			06/07/24 10:09	1
1,1-Dichloropropene	ND		1.0	ug/L			06/07/24 10:09	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			06/07/24 10:09	1
1,2,3-Trichloropropane	ND		2.0	ug/L			06/07/24 10:09	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			06/07/24 10:09	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			06/07/24 10:09	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			06/07/24 10:09	1
1,2-Dichlorobenzene	ND		1.0	ug/L			06/07/24 10:09	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			06/07/24 10:09	1
1,2-Dichloropropane	ND		1.0	ug/L			06/07/24 10:09	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
1,3-Dichlorobenzene	ND		1.0	ug/L			06/07/24 10:09	1
1,3-Dichloropropane	ND		1.0	ug/L			06/07/24 10:09	1
1,4-Dichlorobenzene	ND		1.0	ug/L			06/07/24 10:09	1
1-Methylnaphthalene	ND		4.0	ug/L			06/07/24 10:09	1
2,2-Dichloropropane	ND		2.0	ug/L			06/07/24 10:09	1
2-Butanone	ND		10	ug/L			06/07/24 10:09	1
2-Chlorotoluene	ND		1.0	ug/L			06/07/24 10:09	1
2-Hexanone	ND		10	ug/L			06/07/24 10:09	1
2-Methylnaphthalene	ND		4.0	ug/L			06/07/24 10:09	1
4-Chlorotoluene	ND		1.0	ug/L			06/07/24 10:09	1
4-Isopropyltoluene	ND		1.0	ug/L			06/07/24 10:09	1
4-Methyl-2-pentanone	ND		10	ug/L			06/07/24 10:09	1
Acetone	ND		10	ug/L			06/07/24 10:09	1
Benzene	ND		1.0	ug/L			06/07/24 10:09	1
Bromobenzene	ND		1.0	ug/L			06/07/24 10:09	1
Bromodichloromethane	ND		1.0	ug/L			06/07/24 10:09	1
Dibromochloromethane	ND		1.0	ug/L			06/07/24 10:09	1
Bromoform	ND		1.0	ug/L			06/07/24 10:09	1
Bromomethane	ND		3.0	ug/L			06/07/24 10:09	1
Carbon disulfide	ND		10	ug/L			06/07/24 10:09	1
Carbon tetrachloride	ND		1.0	ug/L			06/07/24 10:09	1
Chlorobenzene	ND		1.0	ug/L			06/07/24 10:09	1
Chloroethane	ND		2.0	ug/L			06/07/24 10:09	1
Chloroform	ND		1.0	ug/L			06/07/24 10:09	1
Chloromethane	ND		3.0	ug/L			06/07/24 10:09	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			06/07/24 10:09	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			06/07/24 10:09	1
Dibromomethane	ND		1.0	ug/L			06/07/24 10:09	1
Dichlorodifluoromethane	ND		1.0	ug/L			06/07/24 10:09	1
Ethylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
Hexachlorobutadiene	ND		1.0	ug/L			06/07/24 10:09	1

Eurofins Albuquerque

QC Sample Results

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

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

Lab Sample ID: MB 885-6356/3

Matrix: Water

Analysis Batch: 6356

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Isopropylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			06/07/24 10:09	1
Methylene Chloride	ND		3.0	ug/L			06/07/24 10:09	1
n-Butylbenzene	ND		3.0	ug/L			06/07/24 10:09	1
N-Propylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
Naphthalene	ND		2.0	ug/L			06/07/24 10:09	1
sec-Butylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
Styrene	ND		1.0	ug/L			06/07/24 10:09	1
tert-Butylbenzene	ND		1.0	ug/L			06/07/24 10:09	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			06/07/24 10:09	1
Toluene	ND		1.0	ug/L			06/07/24 10:09	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			06/07/24 10:09	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			06/07/24 10:09	1
Trichloroethene (TCE)	ND		1.0	ug/L			06/07/24 10:09	1
Trichlorofluoromethane	ND		1.0	ug/L			06/07/24 10:09	1
Vinyl chloride	ND		1.0	ug/L			06/07/24 10:09	1
Xylenes, Total	ND		1.5	ug/L			06/07/24 10:09	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		06/07/24 10:09	1
Toluene-d8 (Surr)	99		70 - 130		06/07/24 10:09	1
4-Bromofluorobenzene (Surr)	98		70 - 130		06/07/24 10:09	1
Dibromofluoromethane (Surr)	95		70 - 130		06/07/24 10:09	1

Lab Sample ID: LCS 885-6356/2

Matrix: Water

Analysis Batch: 6356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.8		ug/L		103	70 - 130
Benzene	20.1	21.8		ug/L		108	70 - 130
Chlorobenzene	20.1	22.4		ug/L		112	70 - 130
Toluene	20.2	22.2		ug/L		110	70 - 130
Trichloroethene (TCE)	20.2	20.9		ug/L		104	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130

Lab Sample ID: 885-5413-1 MS

Matrix: Water

Analysis Batch: 6356

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
1,1-Dichloroethene	ND		101	103		ug/L		102	70 - 130
Benzene	120		100	228		ug/L		110	70 - 130

Eurofins Albuquerque

QC Sample Results

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

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

Lab Sample ID: 885-5413-1 MS

Matrix: Water

Analysis Batch: 6356

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	ND		100	107		ug/L		107	70 - 130
Toluene	ND		101	107		ug/L		106	70 - 130
Trichloroethene (TCE)	ND		101	103		ug/L		103	70 - 130
	MS %Recovery	MS Qualifier	MS Limits						
Surrogate									
1,2-Dichloroethane-d4 (Surr)	100		70 - 130						
Toluene-d8 (Surr)	99		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						
Dibromofluoromethane (Surr)	93		70 - 130						

Lab Sample ID: 885-5413-1 MSD

Matrix: Water

Analysis Batch: 6356

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		101	100		ug/L		100	70 - 130	2	20
Benzene	120		100	224		ug/L		106	70 - 130	2	20
Chlorobenzene	ND		100	106		ug/L		106	70 - 130	1	20
Toluene	ND		101	105		ug/L		104	70 - 130	2	20
Trichloroethene (TCE)	ND		101	101		ug/L		100	70 - 130	2	20
	MSD %Recovery	MSD Qualifier	MSD Limits								
Surrogate											
1,2-Dichloroethane-d4 (Surr)	99		70 - 130								
Toluene-d8 (Surr)	98		70 - 130								
4-Bromofluorobenzene (Surr)	103		70 - 130								
Dibromofluoromethane (Surr)	94		70 - 130								

Eurofins Albuquerque

QC Association Summary

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

GC/MS VOA

Analysis Batch: 6356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5413-1	MW-1	Total/NA	Water	8260B	
MB 885-6356/3	Method Blank	Total/NA	Water	8260B	
LCS 885-6356/2	Lab Control Sample	Total/NA	Water	8260B	
885-5413-1 MS	MW-1	Total/NA	Water	8260B	
885-5413-1 MSD	MW-1	Total/NA	Water	8260B	

Lab Chronicle

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

Client Sample ID: MW-1
Date Collected: 05/29/24 12:10
Date Received: 06/01/24 06:45

Lab Sample ID: 885-5413-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		5	6356	JR	EET ALB	06/07/24 10:38

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Animas Environmental Services
Project/Site: BMG HWY 537 2009 Release

Job ID: 885-5413-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Login Sample Receipt Checklist

Client: Animas Environmental Services

Job Number: 885-5413-1

Login Number: 5413

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Angela Todd
Animas Environmental Services
624 E. Comanche
Farmington, New Mexico 87401

Generated 9/25/2024 2:38:45 PM

JOB DESCRIPTION

BMG Hwy 537 2009 Release

JOB NUMBER

885-11333-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Authorized for release by
Cheyenne Cason, Project Manager
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Client: Animas Environmental Services
Project/Site: BMG Hwy 537 2009 Release

Laboratory Job ID: 885-11333-1

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Definitions/Glossary

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

Job ID: 885-11333-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 885-11333-1

Job ID: 885-11333-1

Eurofins Albuquerque

Job Narrative 885-11333-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/7/2024 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

GC/MS VOA

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

Diesel Range Organics

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

Metals

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

General Chemistry

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

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Client Sample Results

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

Job ID: 885-11333-1

Client Sample ID: MW-1

Lab Sample ID: 885-11333-1

Date Collected: 09/05/24 12:49

Matrix: Water

Date Received: 09/07/24 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			09/17/24 13:08	1
1,1,1-Trichloroethane	ND		1.0	ug/L			09/17/24 13:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			09/17/24 13:08	1
1,1,2-Trichloroethane	ND		1.0	ug/L			09/17/24 13:08	1
1,1-Dichloroethane	ND		1.0	ug/L			09/17/24 13:08	1
1,1-Dichloroethene	ND		1.0	ug/L			09/17/24 13:08	1
1,1-Dichloropropene	ND		1.0	ug/L			09/17/24 13:08	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			09/17/24 13:08	1
1,2,3-Trichloropropane	ND		2.0	ug/L			09/17/24 13:08	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			09/17/24 13:08	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			09/17/24 13:08	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			09/17/24 13:08	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			09/17/24 13:08	1
1,2-Dichlorobenzene	ND		1.0	ug/L			09/17/24 13:08	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			09/17/24 13:08	1
1,2-Dichloropropane	ND		1.0	ug/L			09/17/24 13:08	1
1,3,5-Trimethylbenzene	1.3		1.0	ug/L			09/17/24 13:08	1
1,3-Dichlorobenzene	ND		1.0	ug/L			09/17/24 13:08	1
1,3-Dichloropropane	ND		1.0	ug/L			09/17/24 13:08	1
1,4-Dichlorobenzene	ND		1.0	ug/L			09/17/24 13:08	1
1-Methylnaphthalene	ND		4.0	ug/L			09/17/24 13:08	1
2,2-Dichloropropane	ND		2.0	ug/L			09/17/24 13:08	1
2-Butanone	ND		10	ug/L			09/17/24 13:08	1
2-Chlorotoluene	ND		1.0	ug/L			09/17/24 13:08	1
2-Hexanone	ND		10	ug/L			09/17/24 13:08	1
2-Methylnaphthalene	ND		4.0	ug/L			09/17/24 13:08	1
4-Chlorotoluene	ND		1.0	ug/L			09/17/24 13:08	1
4-Isopropyltoluene	ND		1.0	ug/L			09/17/24 13:08	1
4-Methyl-2-pentanone	ND		10	ug/L			09/17/24 13:08	1
Acetone	ND		10	ug/L			09/17/24 13:08	1
Benzene	42		1.0	ug/L			09/17/24 13:08	1
Bromobenzene	ND		1.0	ug/L			09/17/24 13:08	1
Bromodichloromethane	ND		1.0	ug/L			09/17/24 13:08	1
Dibromochloromethane	ND		1.0	ug/L			09/17/24 13:08	1
Bromoform	ND		1.0	ug/L			09/17/24 13:08	1
Bromomethane	ND		3.0	ug/L			09/17/24 13:08	1
Carbon disulfide	ND		10	ug/L			09/17/24 13:08	1
Carbon tetrachloride	ND		1.0	ug/L			09/17/24 13:08	1
Chlorobenzene	ND		1.0	ug/L			09/17/24 13:08	1
Chloroethane	ND		2.0	ug/L			09/17/24 13:08	1
Chloroform	ND		1.0	ug/L			09/17/24 13:08	1
Chloromethane	ND		3.0	ug/L			09/17/24 13:08	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			09/17/24 13:08	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			09/17/24 13:08	1
Dibromomethane	ND		1.0	ug/L			09/17/24 13:08	1
Dichlorodifluoromethane	ND		1.0	ug/L			09/17/24 13:08	1
Ethylbenzene	1.3		1.0	ug/L			09/17/24 13:08	1
Hexachlorobutadiene	ND		1.0	ug/L			09/17/24 13:08	1
Isopropylbenzene	ND		1.0	ug/L			09/17/24 13:08	1

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Client Sample Results

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

Job ID: 885-11333-1

Client Sample ID: MW-1

Lab Sample ID: 885-11333-1

Date Collected: 09/05/24 12:49

Matrix: Water

Date Received: 09/07/24 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			09/17/24 13:08	1
Methylene Chloride	ND		3.0	ug/L			09/17/24 13:08	1
n-Butylbenzene	ND		3.0	ug/L			09/17/24 13:08	1
N-Propylbenzene	ND		1.0	ug/L			09/17/24 13:08	1
Naphthalene	ND		2.0	ug/L			09/17/24 13:08	1
sec-Butylbenzene	ND		1.0	ug/L			09/17/24 13:08	1
Styrene	ND		1.0	ug/L			09/17/24 13:08	1
tert-Butylbenzene	ND		1.0	ug/L			09/17/24 13:08	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			09/17/24 13:08	1
Toluene	ND		1.0	ug/L			09/17/24 13:08	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			09/17/24 13:08	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			09/17/24 13:08	1
Trichloroethene (TCE)	ND		1.0	ug/L			09/17/24 13:08	1
Trichlorofluoromethane	ND		1.0	ug/L			09/17/24 13:08	1
Vinyl chloride	ND		1.0	ug/L			09/17/24 13:08	1
Xylenes, Total	ND		1.5	ug/L			09/17/24 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		09/17/24 13:08	1
Toluene-d8 (Surr)	103		70 - 130		09/17/24 13:08	1
4-Bromofluorobenzene (Surr)	108		70 - 130		09/17/24 13:08	1
Dibromofluoromethane (Surr)	97		70 - 130		09/17/24 13:08	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0	mg/L		09/10/24 10:14	09/11/24 16:47	1
Motor Oil Range Organics [C28-C40]	ND		5.0	mg/L		09/10/24 10:14	09/11/24 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	114		46 - 159	09/10/24 10:14	09/11/24 16:47	1

Method: SW846 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.29		0.020	mg/L		09/13/24 10:30	09/13/24 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable (SW846 9067)	ND		3.0	ug/L		09/24/24 06:50	09/24/24 14:25	1

Eurofins Albuquerque

Client Sample Results

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

Job ID: 885-11333-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-11333-2

Date Collected: 09/05/24 00:00

Matrix: Water

Date Received: 09/07/24 07:40

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			09/13/24 19:59	1
1,1,1-Trichloroethane	ND		1.0	ug/L			09/13/24 19:59	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			09/13/24 19:59	1
1,1,2-Trichloroethane	ND		1.0	ug/L			09/13/24 19:59	1
1,1-Dichloroethane	ND		1.0	ug/L			09/13/24 19:59	1
1,1-Dichloroethene	ND		1.0	ug/L			09/13/24 19:59	1
1,1-Dichloropropene	ND		1.0	ug/L			09/13/24 19:59	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			09/13/24 19:59	1
1,2,3-Trichloropropane	ND		2.0	ug/L			09/13/24 19:59	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			09/13/24 19:59	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			09/13/24 19:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			09/13/24 19:59	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			09/13/24 19:59	1
1,2-Dichlorobenzene	ND		1.0	ug/L			09/13/24 19:59	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			09/13/24 19:59	1
1,2-Dichloropropane	ND		1.0	ug/L			09/13/24 19:59	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			09/13/24 19:59	1
1,3-Dichlorobenzene	ND		1.0	ug/L			09/13/24 19:59	1
1,3-Dichloropropane	ND		1.0	ug/L			09/13/24 19:59	1
1,4-Dichlorobenzene	ND		1.0	ug/L			09/13/24 19:59	1
1-Methylnaphthalene	ND		4.0	ug/L			09/13/24 19:59	1
2,2-Dichloropropane	ND		2.0	ug/L			09/13/24 19:59	1
2-Butanone	ND		10	ug/L			09/13/24 19:59	1
2-Chlorotoluene	ND		1.0	ug/L			09/13/24 19:59	1
2-Hexanone	ND		10	ug/L			09/13/24 19:59	1
2-Methylnaphthalene	ND		4.0	ug/L			09/13/24 19:59	1
4-Chlorotoluene	ND		1.0	ug/L			09/13/24 19:59	1
4-Isopropyltoluene	ND		1.0	ug/L			09/13/24 19:59	1
4-Methyl-2-pentanone	ND		10	ug/L			09/13/24 19:59	1
Acetone	ND		10	ug/L			09/13/24 19:59	1
Benzene	ND		1.0	ug/L			09/13/24 19:59	1
Bromobenzene	ND		1.0	ug/L			09/13/24 19:59	1
Bromodichloromethane	ND		1.0	ug/L			09/13/24 19:59	1
Dibromochloromethane	ND		1.0	ug/L			09/13/24 19:59	1
Bromoform	ND		1.0	ug/L			09/13/24 19:59	1
Bromomethane	ND		3.0	ug/L			09/13/24 19:59	1
Carbon disulfide	ND		10	ug/L			09/13/24 19:59	1
Carbon tetrachloride	ND		1.0	ug/L			09/13/24 19:59	1
Chlorobenzene	ND		1.0	ug/L			09/13/24 19:59	1
Chloroethane	ND		2.0	ug/L			09/13/24 19:59	1
Chloroform	ND		1.0	ug/L			09/13/24 19:59	1
Chloromethane	ND		3.0	ug/L			09/13/24 19:59	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			09/13/24 19:59	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			09/13/24 19:59	1
Dibromomethane	ND		1.0	ug/L			09/13/24 19:59	1
Dichlorodifluoromethane	ND		1.0	ug/L			09/13/24 19:59	1
Ethylbenzene	ND		1.0	ug/L			09/13/24 19:59	1
Hexachlorobutadiene	ND		1.0	ug/L			09/13/24 19:59	1
Isopropylbenzene	ND		1.0	ug/L			09/13/24 19:59	1

Eurofins Albuquerque

Client Sample Results

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

Job ID: 885-11333-1

Client Sample ID: Trip Blank
Date Collected: 09/05/24 00:00
Date Received: 09/07/24 07:40

Lab Sample ID: 885-11333-2
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			09/13/24 19:59	1	
Methylene Chloride	ND		3.0	ug/L			09/13/24 19:59	1	
n-Butylbenzene	ND		3.0	ug/L			09/13/24 19:59	1	
N-Propylbenzene	ND		1.0	ug/L			09/13/24 19:59	1	
Naphthalene	ND		2.0	ug/L			09/13/24 19:59	1	
sec-Butylbenzene	ND		1.0	ug/L			09/13/24 19:59	1	
Styrene	ND		1.0	ug/L			09/13/24 19:59	1	
tert-Butylbenzene	ND		1.0	ug/L			09/13/24 19:59	1	
Tetrachloroethene (PCE)	ND		1.0	ug/L			09/13/24 19:59	1	
Toluene	ND		1.0	ug/L			09/13/24 19:59	1	
trans-1,2-Dichloroethene	ND		1.0	ug/L			09/13/24 19:59	1	
trans-1,3-Dichloropropene	ND		1.0	ug/L			09/13/24 19:59	1	
Trichloroethene (TCE)	ND		1.0	ug/L			09/13/24 19:59	1	
Trichlorofluoromethane	ND		1.0	ug/L			09/13/24 19:59	1	
Vinyl chloride	ND		1.0	ug/L			09/13/24 19:59	1	
Xylenes, Total	ND		1.5	ug/L			09/13/24 19:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	92		70 - 130				09/13/24 19:59	1	
Toluene-d8 (Surr)	118		70 - 130				09/13/24 19:59	1	
4-Bromofluorobenzene (Surr)	109		70 - 130				09/13/24 19:59	1	
Dibromofluoromethane (Surr)	96		70 - 130				09/13/24 19:59	1	

QC Sample Results

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

Job ID: 885-11333-1

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

Lab Sample ID: MB 885-12167/5

Matrix: Water

Analysis Batch: 12167

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			09/13/24 12:50	1
1,1,1-Trichloroethane	ND		1.0	ug/L			09/13/24 12:50	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			09/13/24 12:50	1
1,1,2-Trichloroethane	ND		1.0	ug/L			09/13/24 12:50	1
1,1-Dichloroethane	ND		1.0	ug/L			09/13/24 12:50	1
1,1-Dichloroethene	ND		1.0	ug/L			09/13/24 12:50	1
1,1-Dichloropropene	ND		1.0	ug/L			09/13/24 12:50	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			09/13/24 12:50	1
1,2,3-Trichloropropane	ND		2.0	ug/L			09/13/24 12:50	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			09/13/24 12:50	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			09/13/24 12:50	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			09/13/24 12:50	1
1,2-Dichlorobenzene	ND		1.0	ug/L			09/13/24 12:50	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			09/13/24 12:50	1
1,2-Dichloropropane	ND		1.0	ug/L			09/13/24 12:50	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
1,3-Dichlorobenzene	ND		1.0	ug/L			09/13/24 12:50	1
1,3-Dichloropropane	ND		1.0	ug/L			09/13/24 12:50	1
1,4-Dichlorobenzene	ND		1.0	ug/L			09/13/24 12:50	1
1-Methylnaphthalene	ND		4.0	ug/L			09/13/24 12:50	1
2,2-Dichloropropane	ND		2.0	ug/L			09/13/24 12:50	1
2-Butanone	ND		10	ug/L			09/13/24 12:50	1
2-Chlorotoluene	ND		1.0	ug/L			09/13/24 12:50	1
2-Hexanone	ND		10	ug/L			09/13/24 12:50	1
2-Methylnaphthalene	ND		4.0	ug/L			09/13/24 12:50	1
4-Chlorotoluene	ND		1.0	ug/L			09/13/24 12:50	1
4-Isopropyltoluene	ND		1.0	ug/L			09/13/24 12:50	1
4-Methyl-2-pentanone	ND		10	ug/L			09/13/24 12:50	1
Acetone	ND		10	ug/L			09/13/24 12:50	1
Benzene	ND		1.0	ug/L			09/13/24 12:50	1
Bromobenzene	ND		1.0	ug/L			09/13/24 12:50	1
Bromodichloromethane	ND		1.0	ug/L			09/13/24 12:50	1
Dibromochloromethane	ND		1.0	ug/L			09/13/24 12:50	1
Bromoform	ND		1.0	ug/L			09/13/24 12:50	1
Bromomethane	ND		3.0	ug/L			09/13/24 12:50	1
Carbon disulfide	ND		10	ug/L			09/13/24 12:50	1
Carbon tetrachloride	ND		1.0	ug/L			09/13/24 12:50	1
Chlorobenzene	ND		1.0	ug/L			09/13/24 12:50	1
Chloroethane	ND		2.0	ug/L			09/13/24 12:50	1
Chloroform	ND		1.0	ug/L			09/13/24 12:50	1
Chloromethane	ND		3.0	ug/L			09/13/24 12:50	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			09/13/24 12:50	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			09/13/24 12:50	1
Dibromomethane	ND		1.0	ug/L			09/13/24 12:50	1
Dichlorodifluoromethane	ND		1.0	ug/L			09/13/24 12:50	1
Ethylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
Hexachlorobutadiene	ND		1.0	ug/L			09/13/24 12:50	1

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QC Sample Results

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

Job ID: 885-11333-1

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

Lab Sample ID: MB 885-12167/5

Matrix: Water

Analysis Batch: 12167

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Isopropylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			09/13/24 12:50	1
Methylene Chloride	ND		3.0	ug/L			09/13/24 12:50	1
n-Butylbenzene	ND		3.0	ug/L			09/13/24 12:50	1
N-Propylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
Naphthalene	ND		2.0	ug/L			09/13/24 12:50	1
sec-Butylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
Styrene	ND		1.0	ug/L			09/13/24 12:50	1
tert-Butylbenzene	ND		1.0	ug/L			09/13/24 12:50	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			09/13/24 12:50	1
Toluene	ND		1.0	ug/L			09/13/24 12:50	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			09/13/24 12:50	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			09/13/24 12:50	1
Trichloroethene (TCE)	ND		1.0	ug/L			09/13/24 12:50	1
Trichlorofluoromethane	ND		1.0	ug/L			09/13/24 12:50	1
Vinyl chloride	ND		1.0	ug/L			09/13/24 12:50	1
Xylenes, Total	ND		1.5	ug/L			09/13/24 12:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		09/13/24 12:50	1
Toluene-d8 (Surr)	102		70 - 130		09/13/24 12:50	1
4-Bromofluorobenzene (Surr)	105		70 - 130		09/13/24 12:50	1
Dibromofluoromethane (Surr)	100		70 - 130		09/13/24 12:50	1

Lab Sample ID: LCS 885-12167/4

Matrix: Water

Analysis Batch: 12167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.5		ug/L		102	70 - 130
Benzene	20.1	17.7		ug/L		88	70 - 130
Chlorobenzene	20.1	24.1		ug/L		120	70 - 130
Toluene	20.2	23.8		ug/L		118	70 - 130
Trichloroethene (TCE)	20.2	16.7		ug/L		83	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Toluene-d8 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130

Lab Sample ID: MB 885-12377/6

Matrix: Water

Analysis Batch: 12377

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			09/17/24 12:19	1
1,1,1-Trichloroethane	ND		1.0	ug/L			09/17/24 12:19	1

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QC Sample Results

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

Job ID: 885-11333-1

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

Lab Sample ID: MB 885-12377/6

Matrix: Water

Analysis Batch: 12377

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			09/17/24 12:19	1
1,1,2-Trichloroethane	ND		1.0	ug/L			09/17/24 12:19	1
1,1-Dichloroethane	ND		1.0	ug/L			09/17/24 12:19	1
1,1-Dichloroethene	ND		1.0	ug/L			09/17/24 12:19	1
1,1-Dichloropropene	ND		1.0	ug/L			09/17/24 12:19	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			09/17/24 12:19	1
1,2,3-Trichloropropane	ND		2.0	ug/L			09/17/24 12:19	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			09/17/24 12:19	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			09/17/24 12:19	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			09/17/24 12:19	1
1,2-Dichlorobenzene	ND		1.0	ug/L			09/17/24 12:19	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			09/17/24 12:19	1
1,2-Dichloropropane	ND		1.0	ug/L			09/17/24 12:19	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
1,3-Dichlorobenzene	ND		1.0	ug/L			09/17/24 12:19	1
1,3-Dichloropropane	ND		1.0	ug/L			09/17/24 12:19	1
1,4-Dichlorobenzene	ND		1.0	ug/L			09/17/24 12:19	1
1-Methylnaphthalene	ND		4.0	ug/L			09/17/24 12:19	1
2,2-Dichloropropane	ND		2.0	ug/L			09/17/24 12:19	1
2-Butanone	ND		10	ug/L			09/17/24 12:19	1
2-Chlorotoluene	ND		1.0	ug/L			09/17/24 12:19	1
2-Hexanone	ND		10	ug/L			09/17/24 12:19	1
2-Methylnaphthalene	ND		4.0	ug/L			09/17/24 12:19	1
4-Chlorotoluene	ND		1.0	ug/L			09/17/24 12:19	1
4-Isopropyltoluene	ND		1.0	ug/L			09/17/24 12:19	1
4-Methyl-2-pentanone	ND		10	ug/L			09/17/24 12:19	1
Acetone	ND		10	ug/L			09/17/24 12:19	1
Benzene	ND		1.0	ug/L			09/17/24 12:19	1
Bromobenzene	ND		1.0	ug/L			09/17/24 12:19	1
Bromodichloromethane	ND		1.0	ug/L			09/17/24 12:19	1
Dibromochloromethane	ND		1.0	ug/L			09/17/24 12:19	1
Bromoform	ND		1.0	ug/L			09/17/24 12:19	1
Bromomethane	ND		3.0	ug/L			09/17/24 12:19	1
Carbon disulfide	ND		10	ug/L			09/17/24 12:19	1
Carbon tetrachloride	ND		1.0	ug/L			09/17/24 12:19	1
Chlorobenzene	ND		1.0	ug/L			09/17/24 12:19	1
Chloroethane	ND		2.0	ug/L			09/17/24 12:19	1
Chloroform	ND		1.0	ug/L			09/17/24 12:19	1
Chloromethane	ND		3.0	ug/L			09/17/24 12:19	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			09/17/24 12:19	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			09/17/24 12:19	1
Dibromomethane	ND		1.0	ug/L			09/17/24 12:19	1
Dichlorodifluoromethane	ND		1.0	ug/L			09/17/24 12:19	1
Ethylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
Hexachlorobutadiene	ND		1.0	ug/L			09/17/24 12:19	1
Isopropylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			09/17/24 12:19	1
Methylene Chloride	ND		3.0	ug/L			09/17/24 12:19	1

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QC Sample Results

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

Job ID: 885-11333-1

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

Lab Sample ID: MB 885-12377/6

Matrix: Water

Analysis Batch: 12377

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		3.0	ug/L			09/17/24 12:19	1
N-Propylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
Naphthalene	ND		2.0	ug/L			09/17/24 12:19	1
sec-Butylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
Styrene	ND		1.0	ug/L			09/17/24 12:19	1
tert-Butylbenzene	ND		1.0	ug/L			09/17/24 12:19	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			09/17/24 12:19	1
Toluene	ND		1.0	ug/L			09/17/24 12:19	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			09/17/24 12:19	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			09/17/24 12:19	1
Trichloroethene (TCE)	ND		1.0	ug/L			09/17/24 12:19	1
Trichlorofluoromethane	ND		1.0	ug/L			09/17/24 12:19	1
Vinyl chloride	ND		1.0	ug/L			09/17/24 12:19	1
Xylenes, Total	ND		1.5	ug/L			09/17/24 12:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		70 - 130		09/17/24 12:19	1
Toluene-d8 (Surr)	98		70 - 130		09/17/24 12:19	1
4-Bromofluorobenzene (Surr)	99		70 - 130		09/17/24 12:19	1
Dibromofluoromethane (Surr)	101		70 - 130		09/17/24 12:19	1

Lab Sample ID: LCS 885-12377/7

Matrix: Water

Analysis Batch: 12377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	23.3		ug/L		116	70 - 130
Benzene	20.1	25.3		ug/L		126	70 - 130
Chlorobenzene	20.1	23.8		ug/L		119	70 - 130
Toluene	20.2	23.9		ug/L		118	70 - 130
Trichloroethene (TCE)	20.2	24.3		ug/L		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-11912/1-A

Matrix: Water

Analysis Batch: 12013

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11912

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0	mg/L		09/10/24 10:14	09/11/24 14:00	1
Motor Oil Range Organics [C28-C40]	ND		5.0	mg/L		09/10/24 10:14	09/11/24 14:00	1

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QC Sample Results

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

Job ID: 885-11333-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-11912/1-A

Matrix: Water

Analysis Batch: 12013

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11912

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Di-n-octyl phthalate (Surr)	105		46 - 159		09/10/24 10:14	09/11/24 14:00	1			

Lab Sample ID: LCS 885-11912/2-A

Matrix: Water

Analysis Batch: 12013

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11912

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]			2.50	2.86		mg/L		114	57 - 147	
Surrogate	LCS	LCS								
%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	108		46 - 159							

Lab Sample ID: 885-11333-1 MS

Matrix: Water

Analysis Batch: 12013

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 11912

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]	ND		2.50	3.15		mg/L		126	33 - 161	
Surrogate	MS	MS								
%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	113		46 - 159							

Lab Sample ID: 885-11333-1 MSD

Matrix: Water

Analysis Batch: 12013

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 11912

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		2.50	3.00		mg/L		120	33 - 161	5	20
Surrogate	MSD	MSD									
%Recovery	Qualifier	Limits									
Di-n-octyl phthalate (Surr)	105		46 - 159								

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 860-187067/1-A

Matrix: Water

Analysis Batch: 187330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 187067

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Manganese	ND		0.020	mg/L		09/13/24 10:30	09/13/24 16:36	1		

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QC Sample Results

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

Job ID: 885-11333-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-187067/2-A

Matrix: Water

Analysis Batch: 187330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 187067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	1.00	0.976		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-187067/3-A

Matrix: Water

Analysis Batch: 187330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 187067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	1.00	0.977		mg/L		98	80 - 120	0	20

Lab Sample ID: LB 860-186797/1-C

Matrix: Water

Analysis Batch: 187330

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 187067

Analyte	LB Result	LB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.10	mg/L		09/13/24 10:30	09/13/24 16:41	1

Method: 9067 - Phenolics, Total Recoverable

Lab Sample ID: MB 885-12820/1-B

Matrix: Water

Analysis Batch: 12911

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12820

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		3.0	ug/L		09/24/24 06:50	09/24/24 14:25	1

Lab Sample ID: LCS 885-12820/2-B

Matrix: Water

Analysis Batch: 12911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenolics, Total Recoverable	20.1	18.5		ug/L		92	44 - 130

Lab Sample ID: LCSD 885-12820/3-B

Matrix: Water

Analysis Batch: 12911

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 12820

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenolics, Total Recoverable	20.1	16.5		ug/L		82	44 - 130	11	20

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QC Association Summary

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

Job ID: 885-11333-1

GC/MS VOA

Analysis Batch: 12167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-2	Trip Blank	Total/NA	Water	8260B	
MB 885-12167/5	Method Blank	Total/NA	Water	8260B	
LCS 885-12167/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 12377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Total/NA	Water	8260B	
MB 885-12377/6	Method Blank	Total/NA	Water	8260B	
LCS 885-12377/7	Lab Control Sample	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 11912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Total/NA	Water	3511	
MB 885-11912/1-A	Method Blank	Total/NA	Water	3511	
LCS 885-11912/2-A	Lab Control Sample	Total/NA	Water	3511	
885-11333-1 MS	MW-1	Total/NA	Water	3511	
885-11333-1 MSD	MW-1	Total/NA	Water	3511	

Analysis Batch: 12013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Total/NA	Water	8015M/D	11912
MB 885-11912/1-A	Method Blank	Total/NA	Water	8015M/D	11912
LCS 885-11912/2-A	Lab Control Sample	Total/NA	Water	8015M/D	11912
885-11333-1 MS	MW-1	Total/NA	Water	8015M/D	11912
885-11333-1 MSD	MW-1	Total/NA	Water	8015M/D	11912

Metals

Leach Batch: 186797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-186797/1-C	Method Blank	Dissolved	Water	1311	

Prep Batch: 187067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Dissolved	Water	3010A	
LB 860-186797/1-C	Method Blank	Dissolved	Water	3010A	186797
MB 860-187067/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-187067/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-187067/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 187330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Dissolved	Water	6010B	187067
LB 860-186797/1-C	Method Blank	Dissolved	Water	6010B	187067
MB 860-187067/1-A	Method Blank	Total/NA	Water	6010B	187067
LCS 860-187067/2-A	Lab Control Sample	Total/NA	Water	6010B	187067
LCSD 860-187067/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	187067

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QC Association Summary

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

Job ID: 885-11333-1

General Chemistry

Prep Batch: 12820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Total/NA	Water	Distill/Phenol	
MB 885-12820/1-B	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 885-12820/2-B	Lab Control Sample	Total/NA	Water	Distill/Phenol	
LCSD 885-12820/3-B	Lab Control Sample Dup	Total/NA	Water	Distill/Phenol	

Cleanup Batch: 12886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Total/NA	Water	9067	12820
MB 885-12820/1-B	Method Blank	Total/NA	Water	9067	12820
LCS 885-12820/2-B	Lab Control Sample	Total/NA	Water	9067	12820
LCSD 885-12820/3-B	Lab Control Sample Dup	Total/NA	Water	9067	12820

Analysis Batch: 12911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11333-1	MW-1	Total/NA	Water	9067	12886
MB 885-12820/1-B	Method Blank	Total/NA	Water	9067	12886
LCS 885-12820/2-B	Lab Control Sample	Total/NA	Water	9067	12886
LCSD 885-12820/3-B	Lab Control Sample Dup	Total/NA	Water	9067	12886

Lab Chronicle

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

Job ID: 885-11333-1

Client Sample ID: MW-1

Date Collected: 09/05/24 12:49

Date Received: 09/07/24 07:40

Lab Sample ID: 885-11333-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	12377	CM	EET ALB	09/17/24 13:08
Total/NA	Prep	3511			11912	KR	EET ALB	09/10/24 10:14
Total/NA	Analysis	8015M/D		1	12013	KR	EET ALB	09/11/24 16:47
Dissolved	Prep	3010A			187067	MD	EET HOU	09/13/24 10:30
Dissolved	Analysis	6010B		1	187330	JDM	EET HOU	09/13/24 17:27
Total/NA	Prep	Distill/Phenol			12820	JM	EET ALB	09/24/24 06:50
Total/NA	Cleanup	9067			12886	JM	EET ALB	09/24/24 12:23 - 09/24/24 14:25 ¹
Total/NA	Analysis	9067		1	12911	JM	EET ALB	09/24/24 14:25

Client Sample ID: Trip Blank

Date Collected: 09/05/24 00:00

Date Received: 09/07/24 07:40

Lab Sample ID: 885-11333-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	12167	JR	EET ALB	09/13/24 19:59

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 885-11333-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
9067	Distill/Phenol	Water	Phenolics, Total Recoverable

Laboratory: Eurofins Houston

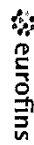
All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Eurofins Albuquerque

4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record



Environment Test ៣

[illegible]

Login Sample Receipt Checklist

Client: Animas Environmental Services

Job Number: 885-11333-1

Login Number: 11333

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Animas Environmental Services

Job Number: 885-11333-1

Login Number: 11333
List Number: 2
Creator: Baker, Jeremiah

List Source: Eurofins Houston
List Creation: 09/10/24 11:10 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

- 1
- 2
- 3
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- 6
- 7
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- 10
- 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Angela Todd
Animas Environmental Services
624 E. Comanche Street
Farmington, New Mexico 87401

Generated 12/11/2024 2:13:36 PM

JOB DESCRIPTION

BMG 2009 Q4 Sampling

JOB NUMBER

885-16530-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.
Released to Imaging: 3/19/2025 10:14:06 AM



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)345-3975

Generated
12/11/2024 2:13:36 PM

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Laboratory Job ID: 885-16530-1

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Definitions/Glossary

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Animas Environmental Services
Project: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Job ID: 885-16530-1Eurofins Albuquerque

Job Narrative
885-16530-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/6/2024 6:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

GC/MS VOA

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

Eurofins Albuquerque

Client Sample Results

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Client Sample ID: MW-1

Lab Sample ID: 885-16530-1

Date Collected: 12/04/24 15:15

Matrix: Water

Date Received: 12/06/24 06:35

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.27		1.0	0.27	ug/L			12/10/24 19:43	1
1,1,1-Trichloroethane	<0.15		1.0	0.15	ug/L			12/10/24 19:43	1
1,1,2,2-Tetrachloroethane	<0.41		2.0	0.41	ug/L			12/10/24 19:43	1
1,1,2-Trichloroethane	<0.20		1.0	0.20	ug/L			12/10/24 19:43	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			12/10/24 19:43	1
1,1-Dichloroethene	<0.20		1.0	0.20	ug/L			12/10/24 19:43	1
1,1-Dichloropropene	<0.18		1.0	0.18	ug/L			12/10/24 19:43	1
1,2,3-Trichlorobenzene	<0.25		1.0	0.25	ug/L			12/10/24 19:43	1
1,2,3-Trichloropropane	<0.18		2.0	0.18	ug/L			12/10/24 19:43	1
1,2,4-Trichlorobenzene	<0.40		1.0	0.40	ug/L			12/10/24 19:43	1
1,2,4-Trimethylbenzene	0.18	J	1.0	0.12	ug/L			12/10/24 19:43	1
1,2-Dibromo-3-Chloropropane	<0.74		2.0	0.74	ug/L			12/10/24 19:43	1
1,2-Dibromoethane (EDB)	<0.30		1.0	0.30	ug/L			12/10/24 19:43	1
1,2-Dichlorobenzene	<0.15		1.0	0.15	ug/L			12/10/24 19:43	1
1,2-Dichloroethane (EDC)	<0.30		1.0	0.30	ug/L			12/10/24 19:43	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			12/10/24 19:43	1
1,3,5-Trimethylbenzene	0.39	J	1.0	0.18	ug/L			12/10/24 19:43	1
1,3-Dichlorobenzene	<0.16		1.0	0.16	ug/L			12/10/24 19:43	1
1,3-Dichloropropane	<0.18		1.0	0.18	ug/L			12/10/24 19:43	1
1,4-Dichlorobenzene	<0.11		1.0	0.11	ug/L			12/10/24 19:43	1
1-Methylnaphthalene	<2.0		4.0	2.0	ug/L			12/10/24 19:43	1
2,2-Dichloropropane	<0.26		2.0	0.26	ug/L			12/10/24 19:43	1
2-Butanone	<2.0		10	2.0	ug/L			12/10/24 19:43	1
2-Chlorotoluene	<0.14		1.0	0.14	ug/L			12/10/24 19:43	1
2-Hexanone	<1.8		10	1.8	ug/L			12/10/24 19:43	1
2-Methylnaphthalene	<2.0		4.0	2.0	ug/L			12/10/24 19:43	1
4-Chlorotoluene	<0.13		1.0	0.13	ug/L			12/10/24 19:43	1
4-Isopropyltoluene	0.36	J	1.0	0.20	ug/L			12/10/24 19:43	1
4-Methyl-2-pentanone	<1.5		10	1.5	ug/L			12/10/24 19:43	1
Acetone	<2.5		10	2.5	ug/L			12/10/24 19:43	1
Benzene	8.9		1.0	0.23	ug/L			12/10/24 19:43	1
Bromobenzene	<0.28		1.0	0.28	ug/L			12/10/24 19:43	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			12/10/24 19:43	1
Dibromochloromethane	<0.28		1.0	0.28	ug/L			12/10/24 19:43	1
Bromoform	<0.31		1.0	0.31	ug/L			12/10/24 19:43	1
Bromomethane	<1.0		3.0	1.0	ug/L			12/10/24 19:43	1
Carbon disulfide	<1.0		10	1.0	ug/L			12/10/24 19:43	1
Carbon tetrachloride	<0.18		1.0	0.18	ug/L			12/10/24 19:43	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			12/10/24 19:43	1
Chloroethane	<0.38		2.0	0.38	ug/L			12/10/24 19:43	1
Chloroform	<0.25		1.0	0.25	ug/L			12/10/24 19:43	1
Chloromethane	<0.41		3.0	0.41	ug/L			12/10/24 19:43	1
cis-1,2-Dichloroethene	<0.39		1.0	0.39	ug/L			12/10/24 19:43	1
cis-1,3-Dichloropropene	<0.13		1.0	0.13	ug/L			12/10/24 19:43	1
Dibromomethane	<0.31		1.0	0.31	ug/L			12/10/24 19:43	1
Dichlorodifluoromethane	<0.73		1.0	0.73	ug/L			12/10/24 19:43	1
Ethylbenzene	0.30	J	1.0	0.21	ug/L			12/10/24 19:43	1
Hexachlorobutadiene	<0.42		1.0	0.42	ug/L			12/10/24 19:43	1
Isopropylbenzene	<0.18		1.0	0.18	ug/L			12/10/24 19:43	1

Eurofins Albuquerque

Client Sample Results

Client: Animas Environmental Services

Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Client Sample ID: MW-1

Lab Sample ID: 885-16530-1

Date Collected: 12/04/24 15:15

Matrix: Water

Date Received: 12/06/24 06:35

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	<0.39		1.0	0.39	ug/L			12/10/24 19:43	1
Methylene Chloride	<1.2		2.5	1.2	ug/L			12/10/24 19:43	1
n-Butylbenzene	<0.13		3.0	0.13	ug/L			12/10/24 19:43	1
N-Propylbenzene	<0.11		1.0	0.11	ug/L			12/10/24 19:43	1
Naphthalene	<0.24		2.0	0.24	ug/L			12/10/24 19:43	1
sec-Butylbenzene	0.30	J	1.0	0.14	ug/L			12/10/24 19:43	1
Styrene	<0.17		1.0	0.17	ug/L			12/10/24 19:43	1
tert-Butylbenzene	<0.24		1.0	0.24	ug/L			12/10/24 19:43	1
Tetrachloroethene (PCE)	<0.18		1.0	0.18	ug/L			12/10/24 19:43	1
Toluene	0.35	J	1.0	0.25	ug/L			12/10/24 19:43	1
trans-1,2-Dichloroethene	<0.19		1.0	0.19	ug/L			12/10/24 19:43	1
trans-1,3-Dichloropropene	<0.34		1.0	0.34	ug/L			12/10/24 19:43	1
Trichloroethene (TCE)	<0.20		1.0	0.20	ug/L			12/10/24 19:43	1
Trichlorofluoromethane	<0.16		1.0	0.16	ug/L			12/10/24 19:43	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			12/10/24 19:43	1
Xylenes, Total	<0.37		1.5	0.37	ug/L			12/10/24 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130					12/10/24 19:43	1
Toluene-d8 (Surr)	108		70 - 130					12/10/24 19:43	1
4-Bromofluorobenzene (Surr)	104		70 - 130					12/10/24 19:43	1
Dibromofluoromethane (Surr)	108		70 - 130					12/10/24 19:43	1

Client Sample Results

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-16530-2

Date Collected: 12/04/24 00:00

Matrix: Water

Date Received: 12/06/24 06:35

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.27		1.0	0.27	ug/L			12/10/24 21:06	1
1,1,1-Trichloroethane	<0.15		1.0	0.15	ug/L			12/10/24 21:06	1
1,1,2,2-Tetrachloroethane	<0.41		2.0	0.41	ug/L			12/10/24 21:06	1
1,1,2-Trichloroethane	<0.20		1.0	0.20	ug/L			12/10/24 21:06	1
1,1-Dichloroethane	<0.30		1.0	0.30	ug/L			12/10/24 21:06	1
1,1-Dichloroethene	<0.20		1.0	0.20	ug/L			12/10/24 21:06	1
1,1-Dichloropropene	<0.18		1.0	0.18	ug/L			12/10/24 21:06	1
1,2,3-Trichlorobenzene	<0.25		1.0	0.25	ug/L			12/10/24 21:06	1
1,2,3-Trichloropropane	<0.18		2.0	0.18	ug/L			12/10/24 21:06	1
1,2,4-Trichlorobenzene	<0.40		1.0	0.40	ug/L			12/10/24 21:06	1
1,2,4-Trimethylbenzene	<0.12		1.0	0.12	ug/L			12/10/24 21:06	1
1,2-Dibromo-3-Chloropropane	<0.74		2.0	0.74	ug/L			12/10/24 21:06	1
1,2-Dibromoethane (EDB)	<0.30		1.0	0.30	ug/L			12/10/24 21:06	1
1,2-Dichlorobenzene	<0.15		1.0	0.15	ug/L			12/10/24 21:06	1
1,2-Dichloroethane (EDC)	<0.30		1.0	0.30	ug/L			12/10/24 21:06	1
1,2-Dichloropropane	<0.20		1.0	0.20	ug/L			12/10/24 21:06	1
1,3,5-Trimethylbenzene	<0.18		1.0	0.18	ug/L			12/10/24 21:06	1
1,3-Dichlorobenzene	<0.16		1.0	0.16	ug/L			12/10/24 21:06	1
1,3-Dichloropropane	<0.18		1.0	0.18	ug/L			12/10/24 21:06	1
1,4-Dichlorobenzene	<0.11		1.0	0.11	ug/L			12/10/24 21:06	1
1-Methylnaphthalene	<2.0		4.0	2.0	ug/L			12/10/24 21:06	1
2,2-Dichloropropane	<0.26		2.0	0.26	ug/L			12/10/24 21:06	1
2-Butanone	<2.0		10	2.0	ug/L			12/10/24 21:06	1
2-Chlorotoluene	<0.14		1.0	0.14	ug/L			12/10/24 21:06	1
2-Hexanone	<1.8		10	1.8	ug/L			12/10/24 21:06	1
2-Methylnaphthalene	<2.0		4.0	2.0	ug/L			12/10/24 21:06	1
4-Chlorotoluene	<0.13		1.0	0.13	ug/L			12/10/24 21:06	1
4-Isopropyltoluene	<0.20		1.0	0.20	ug/L			12/10/24 21:06	1
4-Methyl-2-pentanone	<1.5		10	1.5	ug/L			12/10/24 21:06	1
Acetone	<2.5		10	2.5	ug/L			12/10/24 21:06	1
Benzene	<0.23		1.0	0.23	ug/L			12/10/24 21:06	1
Bromobenzene	<0.28		1.0	0.28	ug/L			12/10/24 21:06	1
Bromodichloromethane	<0.20		1.0	0.20	ug/L			12/10/24 21:06	1
Dibromochloromethane	<0.28		1.0	0.28	ug/L			12/10/24 21:06	1
Bromoform	<0.31		1.0	0.31	ug/L			12/10/24 21:06	1
Bromomethane	<1.0		3.0	1.0	ug/L			12/10/24 21:06	1
Carbon disulfide	<1.0		10	1.0	ug/L			12/10/24 21:06	1
Carbon tetrachloride	<0.18		1.0	0.18	ug/L			12/10/24 21:06	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			12/10/24 21:06	1
Chloroethane	<0.38		2.0	0.38	ug/L			12/10/24 21:06	1
Chloroform	<0.25		1.0	0.25	ug/L			12/10/24 21:06	1
Chloromethane	<0.41		3.0	0.41	ug/L			12/10/24 21:06	1
cis-1,2-Dichloroethene	<0.39		1.0	0.39	ug/L			12/10/24 21:06	1
cis-1,3-Dichloropropene	<0.13		1.0	0.13	ug/L			12/10/24 21:06	1
Dibromomethane	<0.31		1.0	0.31	ug/L			12/10/24 21:06	1
Dichlorodifluoromethane	<0.73		1.0	0.73	ug/L			12/10/24 21:06	1
Ethylbenzene	<0.21		1.0	0.21	ug/L			12/10/24 21:06	1
Hexachlorobutadiene	<0.42		1.0	0.42	ug/L			12/10/24 21:06	1
Isopropylbenzene	<0.18		1.0	0.18	ug/L			12/10/24 21:06	1

Eurofins Albuquerque

Client Sample Results

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Client Sample ID: Trip Blank

Lab Sample ID: 885-16530-2

Date Collected: 12/04/24 00:00

Matrix: Water

Date Received: 12/06/24 06:35

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	<0.39		1.0	0.39	ug/L			12/10/24 21:06	1
Methylene Chloride	<1.2		2.5	1.2	ug/L			12/10/24 21:06	1
n-Butylbenzene	<0.13		3.0	0.13	ug/L			12/10/24 21:06	1
N-Propylbenzene	<0.11		1.0	0.11	ug/L			12/10/24 21:06	1
Naphthalene	<0.24		2.0	0.24	ug/L			12/10/24 21:06	1
sec-Butylbenzene	<0.14		1.0	0.14	ug/L			12/10/24 21:06	1
Styrene	<0.17		1.0	0.17	ug/L			12/10/24 21:06	1
tert-Butylbenzene	<0.24		1.0	0.24	ug/L			12/10/24 21:06	1
Tetrachloroethene (PCE)	<0.18		1.0	0.18	ug/L			12/10/24 21:06	1
Toluene	<0.25		1.0	0.25	ug/L			12/10/24 21:06	1
trans-1,2-Dichloroethene	0.43	J	1.0	0.19	ug/L			12/10/24 21:06	1
trans-1,3-Dichloropropene	<0.34		1.0	0.34	ug/L			12/10/24 21:06	1
Trichloroethene (TCE)	<0.20		1.0	0.20	ug/L			12/10/24 21:06	1
Trichlorofluoromethane	<0.16		1.0	0.16	ug/L			12/10/24 21:06	1
Vinyl chloride	<0.32		1.0	0.32	ug/L			12/10/24 21:06	1
Xylenes, Total	<0.37		1.5	0.37	ug/L			12/10/24 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 130		12/10/24 21:06	1
Toluene-d8 (Surr)	109		70 - 130		12/10/24 21:06	1
4-Bromofluorobenzene (Surr)	99		70 - 130		12/10/24 21:06	1
Dibromofluoromethane (Surr)	107		70 - 130		12/10/24 21:06	1

Eurofins Albuquerque

QC Sample Results

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

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

Lab Sample ID: 885-16530-1 MS

Matrix: Water

Analysis Batch: 17453

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	<0.20		20.1	20.3		ug/L		101	70 - 130
Benzene	8.9		20.1	31.1		ug/L		111	70 - 130
Chlorobenzene	<0.46		20.1	20.6		ug/L		103	70 - 130
Toluene	0.35	J	20.2	21.1		ug/L		103	70 - 130
Trichloroethene (TCE)	<0.20		20.2	19.5		ug/L		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
Toluene-d8 (Surr)	108		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130

Lab Sample ID: 885-16530-1 MSD

Matrix: Water

Analysis Batch: 17453

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	<0.20		20.1	19.4		ug/L		96	70 - 130	5	20
Benzene	8.9		20.1	30.3		ug/L		107	70 - 130	3	20
Chlorobenzene	<0.46		20.1	19.4		ug/L		97	70 - 130	6	20
Toluene	0.35	J	20.2	19.8		ug/L		96	70 - 130	6	20
Trichloroethene (TCE)	<0.20		20.2	19.1		ug/L		95	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 130
Toluene-d8 (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130

Eurofins Albuquerque

QC Association Summary

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

GC/MS VOA

Analysis Batch: 17453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16530-1	MW-1	Total/NA	Water	8260B	
885-16530-2	Trip Blank	Total/NA	Water	8260B	
885-16530-1 MS	MW-1	Total/NA	Water	8260B	
885-16530-1 MSD	MW-1	Total/NA	Water	8260B	

- 1
- 2
- 3
- 4
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- 7
- 8
- 9
- 10
- 11

Lab Chronicle

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Client Sample ID: MW-1
Date Collected: 12/04/24 15:15
Date Received: 12/06/24 06:35

Lab Sample ID: 885-16530-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	17453	RA	EET ALB	12/10/24 19:43

Client Sample ID: Trip Blank
Date Collected: 12/04/24 00:00
Date Received: 12/06/24 06:35

Lab Sample ID: 885-16530-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	17453	RA	EET ALB	12/10/24 21:06

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Animas Environmental Services
Project/Site: BMG 2009 Q4 Sampling

Job ID: 885-16530-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-25

- 1
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- 11



885-16530 COC

Client Information		Lab PM, Cheyenne Cason		Carrier Tracking No(s) N/A		COC No:	
Angela Todd		Cheyenne Cason		State of Origin New Mexico		Page 1 of 1	
Company: Animas Environmental Services, LLC - PLEASE BILL DIRECTLY TO BMG		E-Mail: Cheyenne.Cason@et-euroinsus.com		Job #:		885-16530 COC	
Address: 624 East Comanche Street		City: Farmington		State Zip: NM 87401		Phone: 505-564-2281	
Email: ATodd@AnimasEnvironmental.com		Project #: 090201		SSOW#: N/A		Site: Hwy 537, Rio Arriba County, New Mexico	
Due Date Requested: Standard TAT		TAT Requested (days): Standard TAT		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		PO #: N/A	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)	
MW-1		12-4-24		15:15		G	
Trip Blank						G	
Matrix (W=water, S=solid, O=waste/oil, DT=tissue, A=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		VOCs per USEPA Method 8260	
		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Special Instructions/Note:		Total Number of Containers		Preservation Codes		Other:	
		3		3x40-mL VOA w/HCl		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Doublehydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Possible Hazard Identification		Non-Hazard <input checked="" type="checkbox"/> Flammable <input type="checkbox"/> Irritant <input type="checkbox"/> Corrosive <input type="checkbox"/> Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/>	
Deliverable Requested I, II, III, IV, Other (specify)		II		Special Instructions/QC Requirements Please bill directly to Benson-Montin-Greer bmg@bmgdrilling.com		Months	
Empty Kit Relinquished by		Date		Time		Method of Shipment: courier	
Relinquished by		Date/Time		Company		Relinquished by	
Relinquished by		Date/Time		Company		Relinquished by	
Relinquished by		Date/Time		Company		Relinquished by	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks		1. 6.46-1.15-1.15	

Login Sample Receipt Checklist

Client: Animas Environmental Services

Job Number: 885-16530-1

Login Number: 16530

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 445415

CONDITIONS

Operator: BENSON-MONTIN-GREER DRILLING CORP 4900 College Blvd. Farmington, NM 87402	OGRID: 2096
	Action Number: 445415
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.	9/19/2025
shanna.smith	Transition from submitting annual monitoring and sampling reports to submitting quarterly monitoring and sampling reports.	9/19/2025
shanna.smith	OCD records indicate that an approved Stage 1 and 2 Abatement Plan is not on file. Reports state Plan was submitted June 14, 2019. Provide/resubmit a copy of Stage1/2 Abatement Plan by October 2, 2025, so OCD can update our Online records.	9/19/2025
shanna.smith	Reports state AES submitted Abatement Plan Modification Request on October 3, 2024. OCD records indicated that Abatement Modification Request Plan is not on file. Provide/resubmit a copy of Plan by October 3, 2025, so OCD can update our Online records.	9/19/2025
shanna.smith	Submit a C-141N for all future monitoring and sampling events.	9/19/2025