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Animas Environmental Services, LLC

624 E. Comanche . Farmington, NM 87401 . TEL 505-564-2281 . FAX 505-324-2022 . www.animasenvironmental.com

September 8, 2011

Glenn von Gonten
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Re: Periodic Progress Report for the Benson-Montin-Greer Highway 537 Truck Receiving Station 2009 Oil Release, Rio Arriba County, New Mexico

Dear Mr. von Gonten:

On behalf of Benson-Montin-Greer Drilling Corporation (BMG), Animas Environmental Services, LLC (AES) has prepared this Periodic Progress Report detailing site activities at the BMG Highway 537 Truck Receiving Station 2009 oil release location. This Periodic Progress Report provides 1) summaries of site activities conducted in 2009 and 2010 and 2) details of groundwater monitoring and sampling events conducted at the site in January, May, and August 2011. Sampling was conducted in accordance with recommendations presented in the Site Investigation Report prepared by AES and submitted on April 10, 2009.

1.0 Site Information

1.1 Site Location

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

The truck receiving station is located along the south side of New Mexico State Highway 537 and is adjacent to the Los Ojitos Arroyo, which eventually drains to Largo Canyon. The facility is described legally as being located within the SW¼ SW¼ NW¼ Section 18, T25N, R3W in Rio Arriba County, New Mexico. Latitude and longitude were recorded as being N36°23'55.160" and W107°11'35.814". A topographic site location map, based on an excerpt from the United States Geological Survey (USGS) 7.5-minute Schmitz Ranch, Rio Arriba County, New Mexico topographic quadrangle (USGS 1963), is included as Figure 1. An aerial map with site plan, including installed monitor wells, is presented as Figure 2.

1.2 Release History

On January 29, 2009, at approximately 0630, a Western Refining truck driver discovered crude condensate within the bermed area around the storage tanks, on the south side of Tank #1, and immediately contacted BMG. BMG personnel arrived on-site later in the morning and confirmed a leak at a buried 6-inch line between the storage tanks and the truck loading pump. BMG isolated the line and emptied it of residual oil. At 0800, BMG contacted Mr. Brandon Powell, New Mexico Oil Conservation Division (NMOCD), to provide notification and intended response to the release. Also on January 29, 2009, BMG contracted with TNT Excavating (TNT) to remove the buried 6-inch line in order to determine where the leak originated.

On January 30, 2009, TNT used a trackhoe to excavate an area around the buried 6-inch line measuring 10' W x 20' L x 15' D. AES collected soil samples from the base of the excavation for field screening with a photo-ionization detector (PID) organic vapor meter (OVM). Field screening results at 12 feet below ground surface (bgs) were 5,861 parts per million (ppm) volatile organic compounds (VOCs), and at 15 feet bgs VOCs were measured at 6,640 ppm. Additionally, AES collected one soil sample at 15 feet bgs for laboratory analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) and total petroleum hydrocarbons (TPH). The soil sample was analyzed by Hall Environmental Analysis Laboratory (Hall), Albuquerque, New Mexico. The analytical results of the soil sample collected on January 30, 2009, had total BTEX concentrations of 1,657 mg/kg and total TPH concentrations of 20,300 mg/kg.

Following a thorough inspection of the buried 6-inch line, BMG personnel discovered a small external corrosion hole, measuring approximately 1/8" diameter, along the bottom of the pipe near the truck loading pumps. Because it was determined that the leak had impacted soils to at least 15 feet bgs, and due to the presence of tanks, buried pipe, buried conduit, and fixed pumps and meters within the release area, BMG and AES, in consultation with NMOCD, concluded that excavating additional soils in order to determine the extent of the release would be difficult and that an assessment of the release area by installing soil borings and monitor wells would be the most appropriate assessment method.

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

2.0 Previous Site Activities

2.1 Site Investigation – February 2009

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

2.2 Groundwater Monitoring and Sampling – 2009

2.2.1 March 2009

AES personnel subsequently collected groundwater samples from 12 monitor wells for laboratory analysis on March 5, 6, and 9, 2009. Samples were collected from the 11 wells installed in February 2009 (MW-1 through MW-11) and MW-7 from the BMG Highway 537 2006 & 2007 spill (located down-gradient from the release). Monitor wells MW-4 and MW-9 were re-sampled by AES personnel on April 6, 2009, for confirmation purposes. Samples were analyzed for BTEX and TPH (gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO)).

Analytical results from groundwater samples collected during the March and April 2009 sampling events showed benzene concentrations exceeded the New Mexico Water Quality Control Commission (WQCC) standard of 10 µg/L in four wells, including MW-1 (310 µg/L), MW-3 (400 µg/L), MW-8 (160 µg/L), and MW-9 (170 µg/L in March and 82 µg/L in April). Toluene and xylene concentrations exceeded the WQCC standards in MW-3 with concentrations of 1,100 µg/L and 1,300 µg/L, respectively. The remaining wells had toluene, ethylbenzene, and xylene concentrations either below laboratory detection limits or well below applicable WQCC standards. The laboratory analytical results for groundwater samples collected during the March and April 2009 sampling events were presented in *Appendix E of the Site Investigation Report* submitted to NMOCD in April 2009.

3.0 Groundwater Monitoring and Sampling – September 2009

On September 10 and 11, 2009, AES collected water quality data and groundwater samples from MW-1 through MW-11. Measured depth to groundwater ranged from 13.90 feet below top of casing (TOC) in MW-6 to 28.88 feet below TOC in MW-11. Groundwater elevations ranged from 7,034.41 above mean sea level (AMSL) in MW-9 to 7,036.27 feet AMSL in MW-2.

Temperatures ranged from 11.85 °C in MW-6 to 13.53 °C in MW-8, and pH ranged from 6.97 to 9.43. Dissolved oxygen (DO) concentrations ranged between 0.65 mg/L in MW-1 and 1.83 mg/L in MW-10; oxidation reduction potential (ORP) ranged from -163.6 mV to 80.7 mV; and conductivity was between 5.133 mS/cm and 7.785 mS/cm. Depth to groundwater measurements are presented in Table 1, and Water Sample Collection Forms are included as Appendix A.

Laboratory reports from the September 2009 sampling event reported benzene concentrations above the applicable WQCC standard of 10 µg/L in MW-1 (1,500 µg/L), MW-3 (380 µg/L), MW-4 (13 µg/L), MW-8 (1,200 µg/L), and MW-9 (46 µg/L). Toluene, ethylbenzene, and xylene concentrations were below applicable WQCC standards in each of the wells sampled. Tabulated laboratory analytical results are included in Table 2, and laboratory analytical reports for September 2009 are presented in Appendix B.

4.0 Groundwater Monitoring and Sampling – 2010

4.1 January 2010

On January 15, 2010, AES personnel conducted a groundwater monitoring and sampling event (MW-1 through MW-11) at the site. Groundwater elevations ranged 7,034.18 feet AMSL (MW-9) to 7,036.03 feet AMSL (MW-2), and depth to groundwater ranged from 14.02 feet TOC (MW-6) to 29.13 feet TOC (MW-11). Temperatures ranged from 10.20 °C in MW-11 to 13.30 °C in MW-1, and pH readings were between 6.68 and 7.57. DO concentrations ranged between 1.85 mg/L in MW-3 and 2.92 mg/L in MW-7; ORP ranged from -222.5 mV to -59.2 mV; and conductivity was between 2.891 mS and 4.288 mS. Depth to groundwater measurements are presented in Table 1, and Water Sample Collection Forms are included as Appendix A.

Laboratory results showed benzene concentrations remained above the applicable WQCC standard (10 µg/L) in MW-1 (630 µg/L), MW-3 (750 µg/L), MW-8 (56 µg/L), and MW-9 (62 µg/L). Benzene concentrations were below laboratory detection limits in the other wells sampled. Toluene, ethylbenzene, and xylene concentrations were below applicable WQCC

standards in each of the wells sampled. Tabulated laboratory analytical results are included in Table 2, and laboratory analytical reports for January 2010 are presented in Appendix B.

4.2 October 2010

AES conducted a groundwater and sampling event at the site on October 14 and 15, 2010. Groundwater elevations ranged 7,033.86 feet AMSL (MW-9) to 7,035.74 feet AMSL (MW-2), and depth to groundwater ranged from 14.39 feet TOC (MW-6) to 29.44 feet TOC (MW-11). Temperature ranged from 11.98 °C (MW-10) to 13.77 °C (MW-1), and pH ranged from 7.04 to 7.40. DO concentrations were between 1.21 mg/L (MW-8) and 1.93 mg/L (MW-11); ORP ranged from -222.5 mV to -59.2 mV; and conductivity was recorded between 2.891 mS and 4.288 mS. Depth to groundwater measurements are presented in Table 1, and Water Sample Collection Forms are included as Appendix B.

Laboratory results showed benzene concentrations above the applicable WQCC standard of 10 µg/L in MW-1 (960 µg/L), MW-3 (140 µg/L), MW-8 (50 µg/L), and MW-9 (53 µg/L). Benzene concentrations were below laboratory detection limits or the WQCC standard in the remaining sampled wells. Toluene, ethylbenzene, and xylene concentrations were below applicable WQCC standards in each of the wells sampled. Tabulated laboratory analytical results are included in Table 2, and laboratory analytical reports for October 2010 are presented in Appendix B.

5.0 Groundwater Monitoring and Sampling - 2011

5.1 January 2011

AES personnel conducted groundwater monitoring and sampling at the project area on January 10, 2011. Groundwater samples were laboratory analyzed for BTEX per EPA Method 8021 and TPH per EPA Method 8015 at Hall.

Following depth to water measurement, each well was purged with a disposable bailer until recorded temperature, pH, conductivity, and DO measurements were stabilized. All data was recorded onto Water Sample Collection Forms.

5.1.1 Groundwater Measurements and Water Quality Data

During the January 2011 sampling event, groundwater and water quality measurements were recorded for MW-1 through MW-11. Average groundwater elevations increased across the site by an average of 0.08 feet since the October 2010 sampling event. Groundwater gradient was calculated between MW-2 and MW-9, with a magnitude of 0.007

ft/ft to the southwest, for January 2011. Groundwater elevations ranged from 14.42 feet bgs in MW-6 to 29.53 feet bgs in MW-11.

Water quality measurements were made with an YSI Water Quality Meter, and temperatures ranged from 10.73 °C in MW-10 to 12.67 °C in MW-9. Groundwater pH measurements ranged from 6.92 to 8.56, and dissolved oxygen concentrations were between 1.14 mg/L in MW-4 and 3.10 mg/L in MW-6. ORP measurements were between -122.5 mV and 216.0 mV, and conductivity readings were between 3.946 mS/cm and 5.038 mS/cm. Depth to groundwater measurements and water quality data are presented in Table 1. Water Sample Collection Forms are included as Appendix A.

5.1.2 Groundwater Analytical Results

Laboratory results showed benzene concentrations above the applicable WQCC standard of 10 µg/L in MW-1 (3,600 µg/L), MW-3 (280 µg/L), MW-8 (370 µg/L), and MW-9 (390 µg/L). Benzene concentrations were below laboratory detection limits or the WQCC standard in the remaining sampled wells. Toluene, ethylbenzene, and xylene concentrations were below applicable WQCC standards in each of the wells sampled. Tabulated laboratory analytical results are included in Table 2, and laboratory analytical reports for January 2011 are presented in Appendix B.

5.2 May 2011

The second groundwater and sampling event of 2011 was conducted by AES personnel on May 10, 2011. Groundwater samples were laboratory analyzed for BTEX per EPA Method 8021 and TPH per EPA Method 8015 at Hall.

5.2.1 Groundwater Measurements and Water Quality Data

During the May 2011 sampling event, groundwater and water quality measurements were recorded for MW-1 through MW-11. Average groundwater elevations increased across the site by an average of 0.34 feet since the January 2011 sampling event. Groundwater gradient was calculated between MW-2 and MW-9, with a magnitude of 0.008 ft/ft to the southwest, for May 2011. Groundwater elevations ranged from 7,033.99 feet bgs in MW-9 and 7,036.02 feet bgs in MW-2.

Recorded temperatures ranged from 10.69 °C in MW-6 to 13.16 °C in MW-8. Groundwater pH measurements ranged from 7.00 to 7.67, and DO concentrations were between 1.34 mg/L in MW-10 and 2.95 mg/L in MW-1. ORP measurements were between -145.8 mV and 84.9 mV, and conductivity readings were between 3.830 mS/cm and 4.957 mS/cm. Depth to groundwater measurements and water quality data are presented in Table 1. Water Sample Collection Forms are included as Appendix A.

5.2.2 Groundwater Analytical Results

Benzene concentrations above the applicable WQCC standard of 10 µg/L continue to be reported in MW-1 (7,800 µg/L), MW-3 (980 µg/L), MW-8 (430 µg/L), and MW-9 (390 µg/L). Benzene concentrations were below laboratory detection limits or the WQCC standard in the remaining sampled wells. Toluene, ethylbenzene, and xylene concentrations were below applicable WQCC standards in each of the wells sampled. Tabulated laboratory analytical results are included in Table 2, and laboratory analytical reports for May 2011 are presented in Appendix B.

5.3 August 2011

On August 12, 2011, AES personnel conducted the third 2011 quarterly groundwater monitoring and sampling at the site in monitor wells MW-1 through MW-11. Groundwater samples were laboratory analyzed for BTEX per EPA Method 8021 and TPH per EPA Method 8015 at Hall.

5.3.1 Groundwater Measurements and Water Quality Data

Groundwater and water quality measurements were recorded for MW-1 through MW-11 on August 12, 2011. Average groundwater elevations decreased across the site by an average of 0.74 feet since the May 2011 sampling event. Groundwater gradient was calculated between MW-2 and MW-9, with a magnitude of 0.007 ft/ft to the southwest. Groundwater elevations ranged from 7,033.38 feet bgs in MW-9 and 7,035.28 feet bgs in MW-2.

Recorded groundwater temperatures ranged from 11.99 °C in MW-6 to 14.08 °C in MW-2. Groundwater pH measurements ranged from 6.62 to 7.56, and dissolved oxygen concentrations were between 2.35 mg/L in MW-3 and 5.42 mg/L in MW-9. ORP measurements were between -158.5 mV in MW-3 and 189.8 mV in MW-5, and conductivity readings were between 3.948 mS/cm and 4.968 mS/cm. Depth to groundwater measurements and water quality data are presented in Table 1. Groundwater elevation contours are presented on Figure 3, and Water Sample Collection Forms are included as Appendix A.

5.3.2 Groundwater Analytical Results

Benzene concentrations above the applicable WQCC standard of 10 µg/L were reported in three of the sampled wells, including MW-1 (280 µg/L), MW-3 (51 µg/L), and MW-9 (120 µg/L). Benzene concentrations were below laboratory detection limits or the WQCC standard in the remaining sampled wells. Toluene, ethylbenzene, and xylene concentrations were below applicable WQCC standards in each of the wells sampled. GRO concentrations were above the laboratory detection limit (0.050 mg/L) in MW-1 (1.2 mg/L), MW-3 (0.38 mg/L), MW-8 (0.07 mg/L), and MW-9 (0.35 mg/L). DRO and MRO concentrations were

below laboratory detection limits in each of the wells sampled. Tabulated laboratory analytical results are included in Table 2. Contaminant concentrations are included in Figure 4, and dissolved phase benzene contours are presented in Figure 5. Graphs 1 through 4 present groundwater elevations and dissolved phase benzene concentrations for MW-1, MW-3, MW-8, and MW-9, respectively. Laboratory analytical reports for August 2011 are presented in Appendix B.

6.0 Conclusions and Recommendations

AES has conducted seven groundwater monitoring and sampling events since the installation of monitor wells MW-1 through MW-11. Two sampling events were conducted in 2009 (March and September), two events in 2010 (January and October), and three in 2011 (January, May, and August).

Monitor wells MW-2, MW-5, MW-6, MW-7, and MW-10 have remained below laboratory detection limits for BTEX and TPH during all seven sampling events. Benzene concentrations have fluctuated within MW-1, MW-3, MW-8, and MW-9 since well installation in 2009. Significant decreases in benzene concentrations since the May 2011 sampling event were reported in August 2011 in MW-1 (from 7,800 µg/L to 280 µg/L), MW-3 (from 980 µg/L to 51 µg/L), MW-8 (430 µg/L to 2.3 µg/L), and MW-9 (from 390 µg/L to 120 µg/L). Toluene, ethylbenzene, and xylenes have remained below the applicable WQCC standards in all wells with the exception of MW-3 in March 2009 (toluene at 1,100 µg/L and xylenes at 1,300 µg/L). GRO concentrations from August 2011 were reported above the laboratory detection limit in MW-1, MW-3, MW-8, and MW-9, with the highest concentration being reported in MW-1 (1.2 mg/L). DRO concentrations were reported below the laboratory detection limit in all wells during the August 2011 sampling event.

Based on laboratory analytical results, AES recommends continuing groundwater monitoring and sampling of monitor wells MW-1 through MW-11 on a quarterly basis through the end of 2011.

7.0 Scheduled Site Activities

The next groundwater sampling event has tentatively been scheduled for the end of November 2011. Samples collected from monitor wells MW-1 through MW-11 will be laboratory analyzed for BTEX per EPA Method 8021 and TPH per EPA Method 8015.

AES is in the process of preparing a site specific Corrective Action Plan (CAP) to address residual soil and groundwater contamination at the site.

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

Sincerely,

Em for Deborah Watson

Deborah Watson
Project Manager

Elizabeth McNally

Elizabeth McNally, P.E.

Tables

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Table 2. Summary of Groundwater Analytical Results

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Figure 2. Aerial Map with General Site Plan
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Figure 5. Dissolved Phase Benzene Contours, August 2011

Graphs

Graph 1. MW-1 Groundwater Elevations and Benzene Concentrations, August 2011
Graph 2. MW-3 Groundwater Elevations and Benzene Concentrations, August 2011
Graph 3. MW-8 Groundwater Elevations and Benzene Concentrations, August 2011
Graph 4. MW-9 Groundwater Elevations and Benzene Concentrations, August 2011

Appendices (Electronic)

Appendix A. Water Sample Collection Forms, September 2009 through August 2011
Appendix B. Laboratory Analytical Reports, September 2009 through August 2011

cc: Mike Dimond
Benson-Montin-Greer Drilling Corp.
4900 College Blvd
Farmington NM 87402

Craig Schmitz, Private Land Owner
#70 County Road 405
Lindrith, New Mexico 87029

Brandon Powell
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

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

Well ID	Date Sampled	Depth to Water (ft)	Surveyed TOC (ft)	GW Elev. (ft)	Temperature (C)	Conductivity (mS)	DO (mg/L)	pH	ORP (mV)
MW-1	05-Mar-09	27.95	7064.66	7036.71	12.29	5.231	1.27	6.64	-36.1
MW-1	11-Sep-09	28.66	7064.66	7036.00	13.15	7.016	0.65	8.60	-118.5
MW-1	15-Jan-10	28.91	7064.66	7035.75	13.30	3.714	2.74	6.79	-167.8
MW-1	15-Oct-10	29.20	7064.66	7035.46	13.77	4.642	1.51	7.14	-17.9
MW-1	21-Jan-11	29.28	7064.66	7035.38	12.42	4.246	1.63	6.92	-85.8
MW-1	12-May-11	28.93	7064.66	7035.73	13.08	3.830	2.95	7.00	-96.1
MW-1	12-Aug-11	29.67	7064.66	7034.99	14.03	4.637	3.83	6.94	-107.9
MW-2	05-Mar-09	27.69	7064.65	7036.96	12.00	4.567	2.59	6.82	-29.8
MW-2	10-Sep-09	28.38	7064.65	7036.27	12.93	6.480	1.09	7.58	62.2
MW-2	15-Jan-10	28.62	7064.65	7036.03	12.49	3.604	2.10	7.57	-70.3
MW-2	14-Oct-10	28.91	7064.65	7035.74	12.49	3.968	1.71	7.40	98.9
MW-2	21-Jan-11	28.99	7064.65	7035.66	11.44	4.045	1.62	8.56	-6.2
MW-2	12-May-11	28.63	7064.65	7036.02	13.14	4.087	1.43	7.67	-66.7
MW-2	12-Aug-11	29.37	7064.65	7035.28	14.08	4.102	4.36	7.09	160.2
MW-3	05-Mar-09	27.16	7064.01	7036.85	12.29	4.310	2.17	6.66	-28.2
MW-3	11-Sep-09	27.99	7064.01	7036.02	13.50	6.080	0.53	9.43	-163.6
MW-3	15-Jan-10	28.22	7064.01	7035.79	11.99	3.607	1.85	7.27	-222.5
MW-3	14-Oct-10	28.54	7064.01	7035.47	12.41	4.180	1.46	7.24	-53.1
MW-3	21-Jan-11	28.60	7064.01	7035.41	11.92	4.224	1.60	7.20	-122.5
MW-3	12-May-11	28.21	7064.01	7035.80	12.56	4.172	2.25	7.28	-145.8
MW-3	12-Aug-11	29.02	7064.01	7034.99	13.32	4.372	2.35	7.17	-158.5
MW-4	05-Mar-09	27.39	7063.72	7036.33	12.36	4.760	1.72	6.58	-29.2
MW-4	06-Apr-09	27.58	7063.72	7036.14	11.87	4.599	2.06	6.75	18.0
MW-4	10-Sep-09	28.12	7063.72	7035.60	13.09	6.337	0.81	6.98	54.6

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

Well ID	Date Sampled	Depth to Water (ft)	Surveyed TOC (ft)	GW Elev. (ft)	Temperature (C)	Conductivity (mS)	DO (mg/L)	pH	ORP (mV)
MW-4	15-Jan-10	28.34	7063.72	7035.38	11.65	3.812	2.78	7.20	-125.1
MW-4	15-Oct-10	28.64	7063.72	7035.08	12.52	4.491	1.42	7.13	42.8
MW-4	21-Jan-11	28.72	7063.72	7035.00	11.90	4.748	1.14	7.19	5.4
MW-4	12-May-11	28.39	7063.72	7035.33	13.11	4.576	2.58	7.29	-25.8
MW-4	12-Aug-11	29.10	7063.72	7034.62	13.89	4.759	3.98	6.85	74.9
MW-5	05-Mar-09	28.24	7064.79	7036.55	11.80	6.088	3.89	6.61	-17.3
MW-5	10-Sep-09	28.87	7064.79	7035.92	12.78	7.785	1.22	7.09	60.5
MW-5	15-Jan-10	29.10	7064.79	7035.69	11.19	4.288	1.93	7.27	-85.8
MW-5	14-Oct-10	29.38	7064.79	7035.41	12.34	4.725	1.24	7.23	98.1
MW-5	21-Jan-11	29.47	7064.79	7035.32	11.93	5.038	2.71	7.31	103.9
MW-5	12-May-11	29.17	7064.79	7035.62	12.40	4.957	2.44	7.42	-44.4
MW-5	12-Aug-11	29.84	7064.79	7034.95	13.73	4.968	3.87	6.83	189.8
MW-6	05-Mar-09	12.67	7049.54	7036.87	9.21	4.967	4.30	6.53	4.6
MW-6	10-Sep-09	13.90	7049.54	7035.64	11.85	6.287	1.15	7.12	75.9
MW-6	15-Jan-10	14.02	7049.54	7035.52	10.81	3.789	2.46	7.35	-66.7
MW-6	15-Oct-10	14.39	7049.54	7035.15	12.45	4.353	1.40	7.24	20.7
MW-6	21-Jan-11	14.42	7049.54	7035.12	11.59	4.516	3.10	7.32	-37.3
MW-6	12-May-11	14.00	7049.54	7035.54	10.69	4.349	1.89	7.47	-24.9
MW-6	12-Aug-11	14.93	7049.54	7034.61	11.99	4.492	4.24	7.56	0.2
MW-7	06-Mar-09	26.34	7062.80	7036.46	11.40	4.951	2.17	6.50	-3.3
MW-7	10-Sep-09	27.23	7062.80	7035.57	12.61	6.288	1.03	7.05	51.0
MW-7	15-Jan-10	27.44	7062.80	7035.36	11.02	3.820	2.92	7.27	-66.3
MW-7	14-Oct-10	27.76	7062.80	7035.04	12.79	4.047	1.24	7.19	68.6
MW-7	21-Jan-11	27.82	7062.80	7034.98	10.79	4.205	2.22	7.37	42.0

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

Well ID	Date Sampled	Depth to Water (ft)	Surveyed TOC (ft)	GW Elev. (ft)	Temperature (C)	Conductivity (mS)	DO (mg/L)	pH	ORP (mV)
MW-7	12-May-11	27.46	7062.80	7035.34	12.80	4.118	1.73	7.38	-70.4
MW-7	12-Aug-11	28.24	7062.80	7034.56	13.88	4.119	2.90	7.30	112.8
MW-8	06-Mar-09	27.49	7063.27	7035.78	11.91	4.731	2.14	6.40	-4.4
MW-8	10-Sep-09	28.14	7063.27	7035.13	13.53	5.987	1.12	8.51	-93.2
MW-8	15-Jan-10	28.39	7063.27	7034.88	11.43	2.891	1.86	6.68	-162.2
MW-8	15-Oct-10	28.70	7063.27	7034.57	12.80	4.017	1.21	7.04	-39.1
MW-8	21-Jan-11	28.80	7063.27	7034.47	12.30	4.002	1.55	7.08	-91.2
MW-8	12-May-11	28.52	7063.27	7034.75	13.16	3.966	1.60	7.16	-121.2
MW-8	12-Aug-11	29.19	7063.27	7034.08	13.85	4.194	3.45	6.97	-148.3
MW-9	06-Mar-09	27.60	7062.60	7035.00	9.47	5.418	5.12	6.39	-1.8
MW-9	06-Apr-09	27.74	7062.60	7034.86	11.86	5.174	2.24	6.72	25.2
MW-9	10-Sep-09	28.19	7062.60	7034.41	13.10	7.257	0.86	7.03	-129.8
MW-9	15-Jan-10	28.42	7062.60	7034.18	10.89	3.960	2.29	7.13	-187.4
MW-9	15-Oct-10	28.74	7062.60	7033.86	12.85	4.561	1.89	7.17	-74.4
MW-9	21-Jan-11	28.85	7062.60	7033.75	12.67	4.452	1.34	7.16	-90.8
MW-9	12-May-11	28.61	7062.60	7033.99	13.12	4.120	2.31	7.28	-94.1
MW-9	12-Aug-11	29.22	7062.60	7033.38	12.92	4.492	5.42	7.33	-132.7
MW-10	09-Mar-09	26.25	7063.27	7037.02	10.51	4.572	3.44	6.62	15.6
MW-10	10-Sep-09	27.10	7063.27	7036.17	12.62	5.133	1.83	6.97	80.7
MW-10	15-Jan-10	27.29	7063.27	7035.98	10.82	3.210	2.47	7.10	-99.3
MW-10	14-Oct-10	27.61	7063.27	7035.66	11.98	3.811	1.80	7.22	119.2
MW-10	21-Jan-11	27.66	7063.27	7035.61	10.73	3.946	1.78	7.45	90.1
MW-10	12-May-11	27.28	7063.27	7035.99	12.26	3.839	1.34	7.26	84.9
MW-10	12-Aug-11	28.08	7063.27	7035.19	12.84	3.948	4.99	6.62	175.8

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

Well ID	Date Sampled	Depth to Water (ft)	Surveyed TOC (ft)	GW Elev. (ft)	Temperature (C)	Conductivity (mS)	DO (mg/L)	pH	ORP (mV)
MW-11	09-Mar-09	28.33	7064.10	7035.77	11.47	5.730	3.52	6.63	17.1
MW-11	10-Sep-09	28.88	7064.10	7035.22	13.32	7.785	0.67	7.02	61.2
MW-11	15-Jan-10	29.13	7064.10	7034.97	10.20	3.995	1.86	7.16	-59.2
MW-11	14-Oct-10	29.44	7064.10	7034.66	13.00	4.901	1.93	7.20	94.5
MW-11	21-Jan-11	29.53	7064.10	7034.57	11.55	4.937	1.75	7.37	216.0
MW-11	12-May-11	29.25	7064.10	7034.85	12.97	4.701	2.71	7.41	-16.0
MW-11	12-Aug-11	29.89	7064.10	7034.21	12.89	4.872	3.24	7.39	122.2
Downgradient MW-7*	09-Mar-09	13.09	7051.30	7038.21	8.14	3.441	4.52	6.49	12.8

NOTE:

NM = NOT MEASURED
NA = NOT AVAILABLE
* = Monitoring Well from HWY 537 '06-'07 spill

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

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	GRO	DRO	MRO
		(µg/L)	*(µg/L)*	*(µg/L)*	*(µg/L)*	*(mg/L)*	*(mg/L)*	*(mg/L)*
Analytical Method		**8021B**	**8021B**	**8021B**	**8021B**	**8015B**	**8015B**	**8015B**
New Mexico WQCC		***10***	***750***	***750***	***620***	***NE***	***NE***	***NE***
MW-1	05-Mar-09	**310**	91	5.1	200	2.1	<1.0	<5.0
MW-1	11-Sep-09	**1,500**	1.1	48	170	4.8	<1.0	<5.0
MW-1	15-Jan-10	**630**	<5.0	19	47	2.1	<1.0	<5.0
MW-1	15-Oct-10	**960**	53	37	94	4.1	<1.0	<5.0
MW-1	21-Jan-11	**3,600**	<10	140	160	10	<1.0	<5.0
MW-1	12-May-11	**7,800**	42	270	33	19	<1.0	<5.0
MW-1	12-Aug-11	**280**	<1.0	18	<2.0	1.2	<1.0	<5.0
MW-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-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-4	05-Mar-09	2.7	1.4	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	06-Apr-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	10-Sep-09	**13**	<1.0	<1.0	<2.0	0.051	<1.0	<5.0
MW-4	15-Jan-10	8.6	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	15-Oct-10	6.3	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	21-Jan-11	3.6	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-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

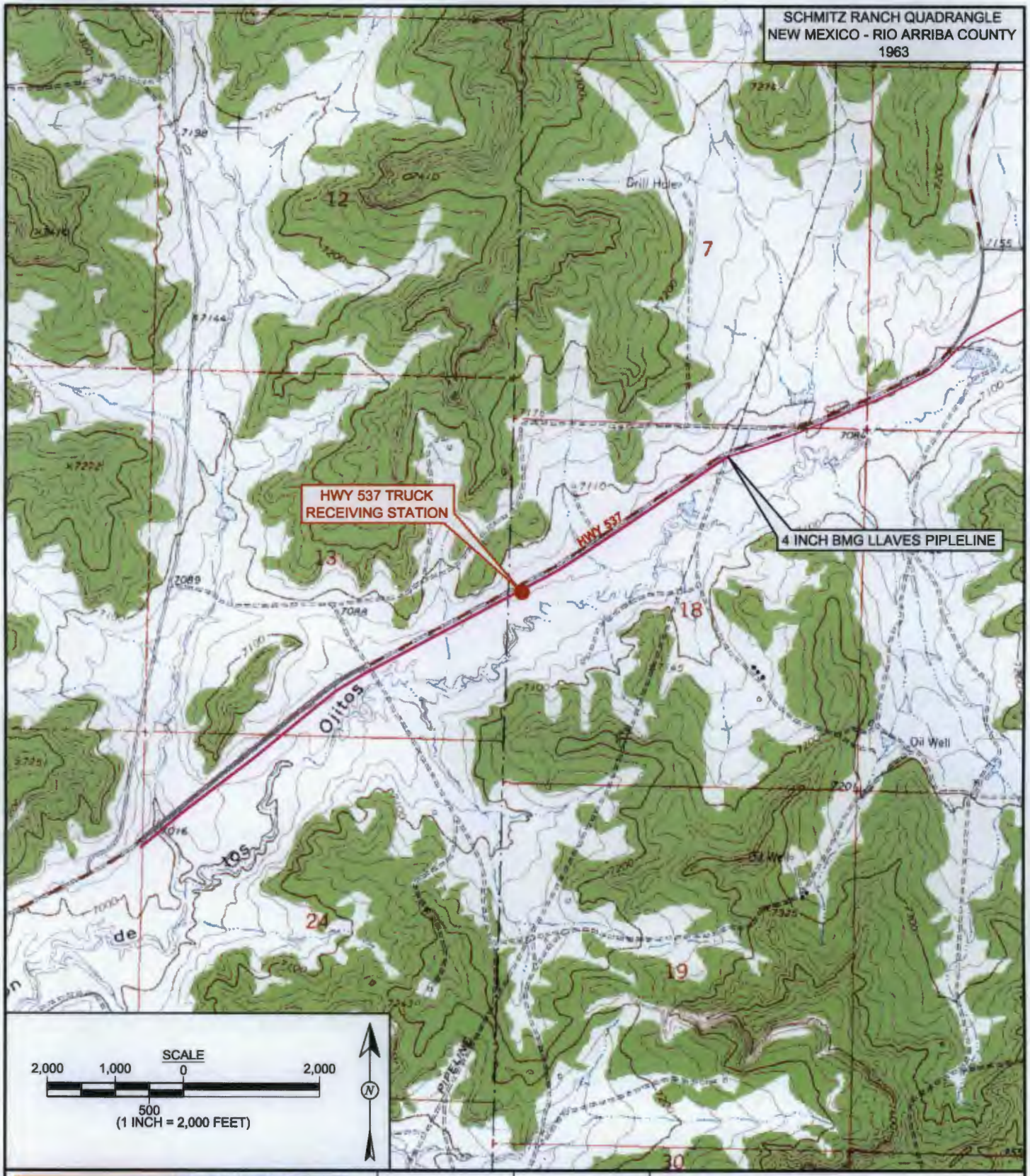
TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 RELEASE
Rio Arriba County, New Mexico

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

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

Well ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	GRO	DRO	MRO
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Analytical Method		8021B	8021B	8021B	8021B	8015B	8015B	8015B
New Mexico WQCC		*10*	*750*	*750*	*620*	*NE*	*NE*	*NE*
MW-10	09-Mar-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	10-Sep-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	15-Jan-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	14-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	21-Jan-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	12-May-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-10	12-Aug-11	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-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
Downgradient MW-7*	09-Mar-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0

NOTE: NS = Not Sampled
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
MRO = Motor Oil Range Organics
* = Monitoring Well from HWY 537 '06-'07 spill



Animas Environmental Services, LLC

DRAWN BY: N. Willis	**DATE DRAWN:** April 4, 2011
REVISIONS BY: C. Lameman	**DATE REVISED:** September 7, 2011
CHECKED BY: E. McNally	**DATE CHECKED:** September 7, 2011
APPROVED BY: E. McNally	**DATE APPROVED:** September 7, 2011

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW ¼, SW ¼, NW ¼ SEC. 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36°23'55.160", W107°11'35.814"

FIGURE 2

SITE MAP
WITH MONITOR WELL LOCATIONS
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW ¼, SW ¼, NW ¼ SEC. 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36°23'55.160", W107°11'35.814"

AERIAL SOURCE: (C) GOOGLE EARTH 2010

Animas Environmental Services, LLC

DRAWN BY: R. Kennemer	**DATE DRAWN:** March 16, 2009
REVISIONS BY: C. Lameman	**DATE REVISED:** September 7, 2011
CHECKED BY: D. Watson	**DATE CHECKED:** August 10, 2011
APPROVED BY: E. McNally	**DATE APPROVED:** September 7, 2011

LEGEND

⌖ MONITORING WELL INSTALLED FEBRUARY 2009

N

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

FIGURE 3

GROUNDWATER ELEVATION CONTOURS, AUGUST 2011
BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW ¼, SW ¼, NW ¼ SEC. 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36°23'55.160", W107°11'35.814"

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
R. Kennemer	March 16, 2009
REVISIONS BY:	**DATE REVISED:**
C. Lameman	September 7, 2011
CHECKED BY:	**DATE CHECKED:**
D. Watson	August 22, 2011
APPROVED BY:	**DATE APPROVED:**
E. McNally	September 7, 2011

LEGEND

- MONITOR WELL LOCATIONS (INSTALLED FEBRUARY 2009)
- —x— FENCE
- PONDS, WET LANDS, & FLOOD PLANES
- 7035.73 GROUNDWATER ELEVATION IN FEET (A.M.S.L.)
- —7035.4— GROUNDWATER ELEVATION IN FEET (A.M.S.L.)

NOTE: ALL GROUNDWATER ELEVATION MEASUREMENTS WERE MADE ON AUGUST 12, 2011.

STATE HWY. 537
CATTLE GUARD
ARROYO
POND
GROUNDWATER GRADIENT BETWEEN MW-2 AND MW-9 IS 0.007 FT/FT
MW-1 7034.99
MW-2 7035.28
MW-3 7034.99
MW-4 7034.62
MW-5 7034.95
MW-6 7034.61
MW-7 7034.56
MW-8 7034.08
MW-9 7033.38
MW-10 7035.19
MW-11 7034.21
7035.0
7034.8
7035.2
7034.6
7034.4
7034.2
7034.0
7033.8
7033.6
1 2 3 4 5 6 7 8 9 10

N

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

FIGURE 4

GROUNDWATER CONTAMINANT CONCENTRATIONS , AUGUST 2011

BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW ¼, SW ¼, NW ¼ SEC. 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36°23'55.160", W107°11'35.814"

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
R. Kennemer	March 16, 2009
REVISIONS BY:	**DATE REVISED:**
C. Lameman	September 7, 2011
CHECKED BY:	**DATE CHECKED:**
D. Watson	August 22, 2011
APPROVED BY:	**DATE APPROVED:**
E. McNally	September 7, 2011

LEGEND

- MONITOR WELL LOCATIONS (INSTALLED FEBRUARY 2009)
- FENCE
- PONDS, WET LANDS, & FLOOD PLANES
- B BENZENE
- T TOLUENE
- E ETHYLBENZENE
- X XYLENES
- GRO GASOLINE RANGED ORGANICS
- DRO DIESEL RANGED ORGANICS
- MRO MOTOR OIL RANGED ORGANICS
- µg/L MICROGRAMS PER LITER (PPB)
- < ANALYTE NOT DETECTED ABOVE LISTED METHOD LIMIT

NOTE: ALL SAMPLES COLLECTED ON AUGUST 12, 2011, AND ANALYZED PER EPA METHOD 8021B AND 8015B.

STATE HWY. 537

CATTLE GUARD

ARROYO

MW-11
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-5
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-2
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-1
B = 280 µg/L
T = <1.0 µg/L
E = 18 µg/L
X = <2.0 µg/L
GRO = 1.2 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-10
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-4
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-8
B = 2.3 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = 0.070 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-3
B = 51 µg/L
T = <1.0 µg/L
E = 4.2 µg/L
X = <2.0 µg/L
GRO = 0.38 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-7
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-9
B = 120 µg/L
T = <1.0 µg/L
E = 5.6 µg/L
X = <2.0 µg/L
GRO = 0.35 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

MW-6
B = <1.0 µg/L
T = <1.0 µg/L
E = <1.0 µg/L
X = <2.0 µg/L
GRO = <0.050 µg/L
DRO = <1.0 µg/L
MRO = <5.0 µg/L

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

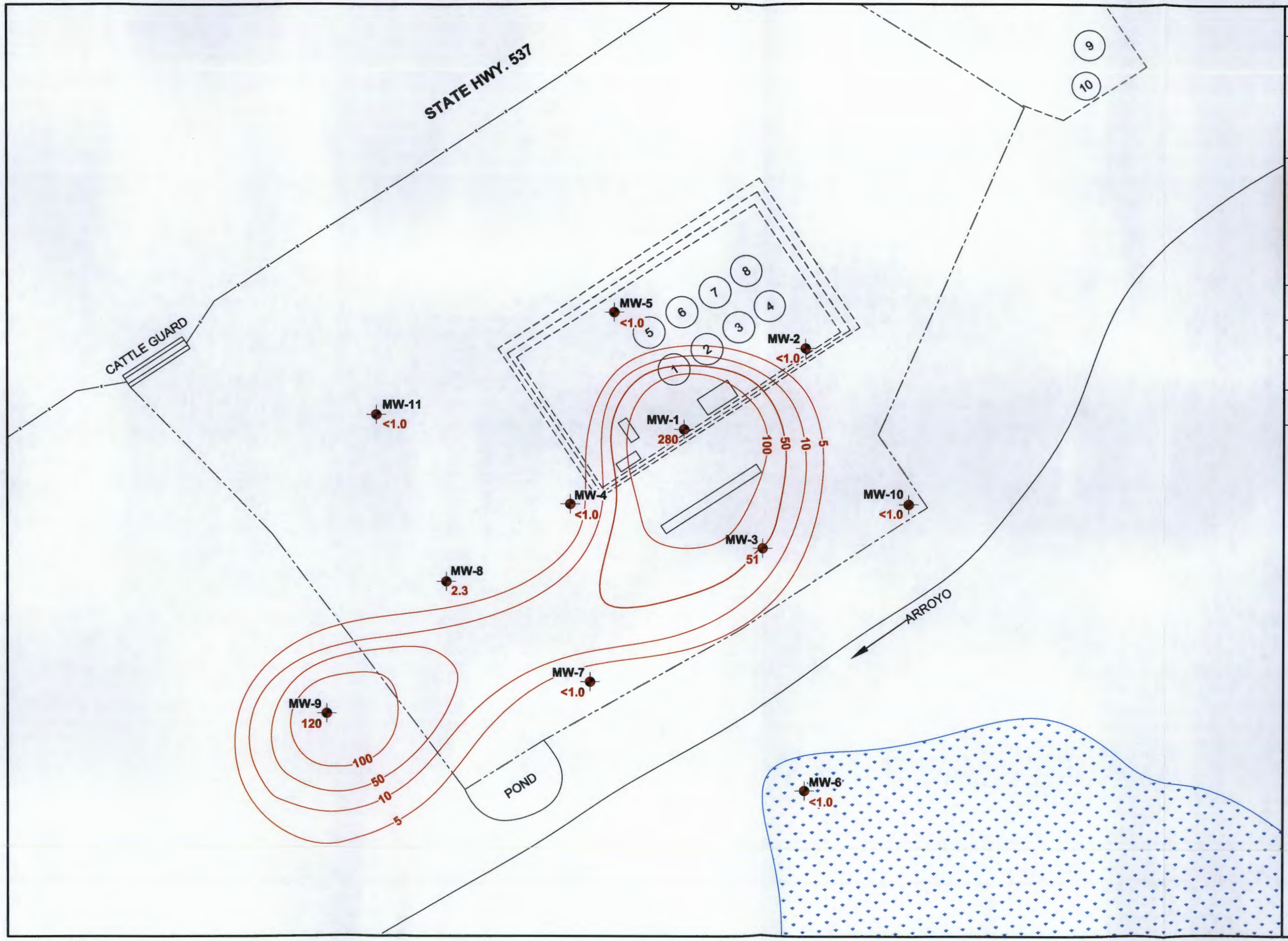


FIGURE 5

DISSOLVED BENZENE CONCENTRATION CONTOURS AUGUST 2011

BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION 2009 RELEASE
SW ¼, SW ¼, NW ¼ SEC. 18, T25N, R3W
RIO ARRIBA COUNTY, NEW MEXICO
N36°23'55.160", W107°11'35.814"

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
R. Kennemer	March 16, 2009
REVISIONS BY:	**DATE REVISED:**
C. Lameman	September 7, 2011
CHECKED BY:	**DATE CHECKED:**
D. Watson	August 22, 2011
APPROVED BY:	**DATE APPROVED:**
E. McNally	September 7, 2011

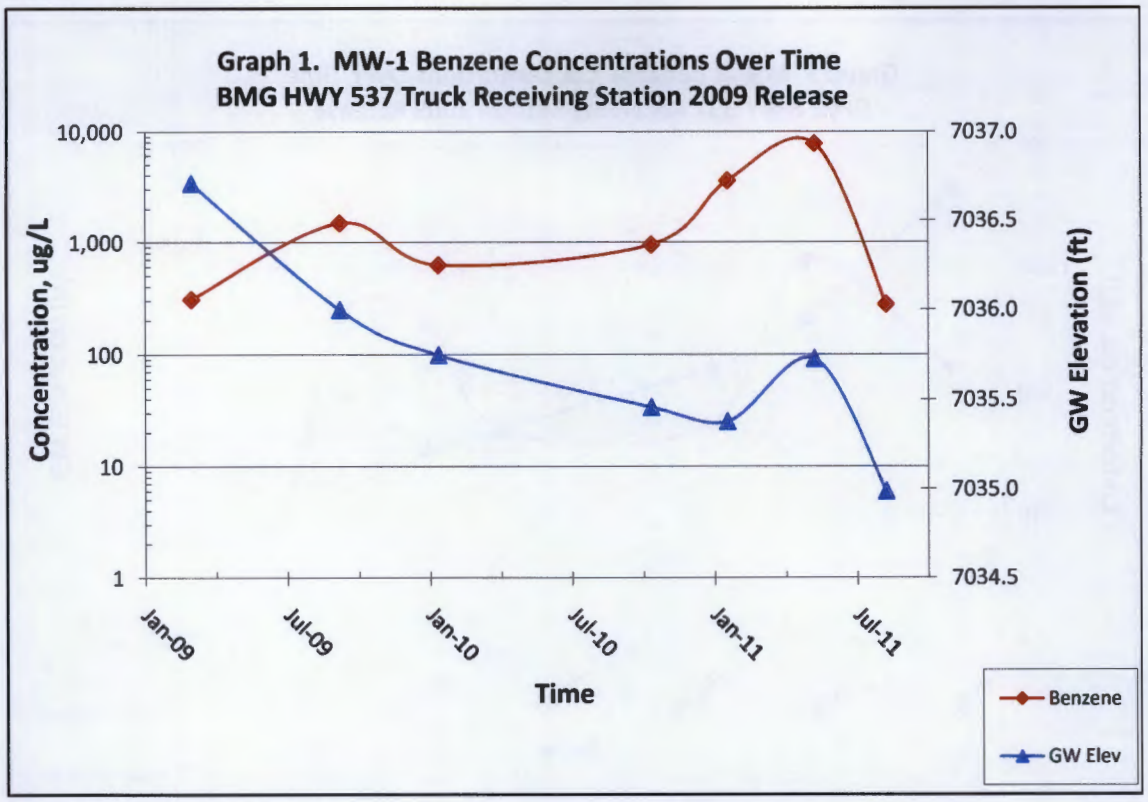
LEGEND

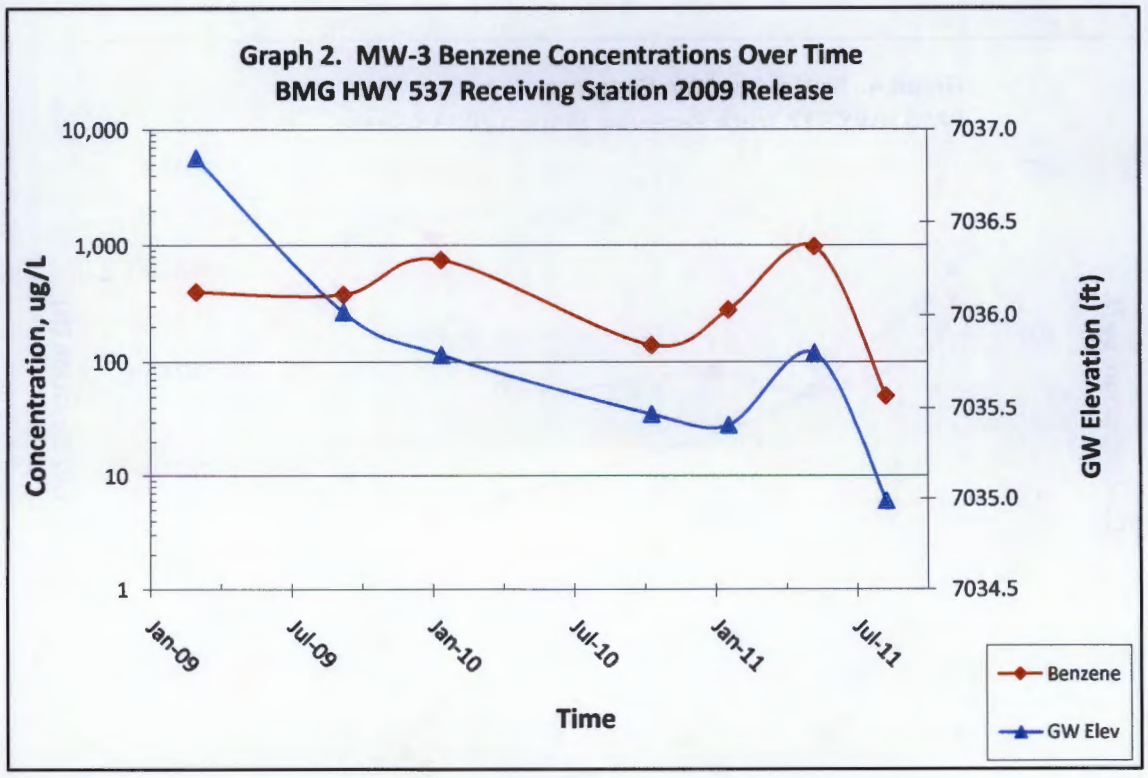
- MONITOR WELL LOCATIONS (INSTALLED FEBRUARY 2009)
- FENCE
- PONDS, WET LANDS, & FLOOD PLANES
- 280 DISSOLVED BENZENE CONCENTRATION IN µg/L
- 50 DISSOLVED BENZENE CONCENTRATION CONTOURS µg/L

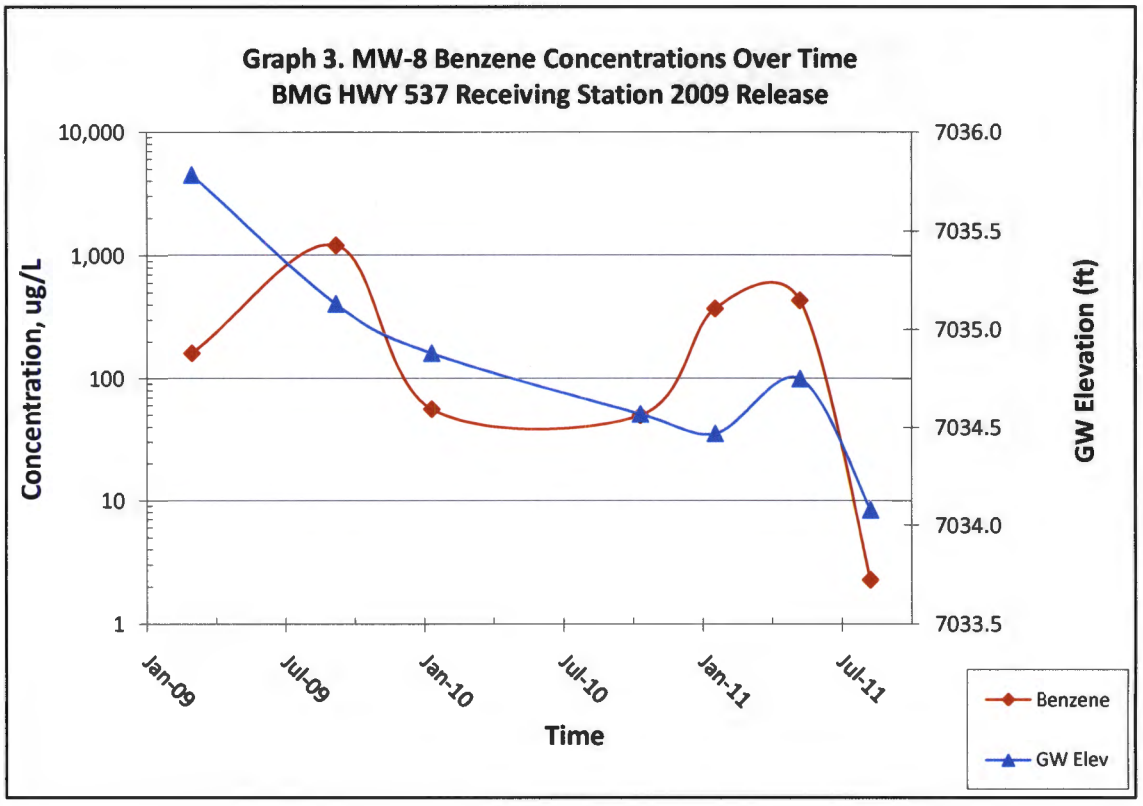
NOTE: ALL SAMPLES COLLECTED ON AUGUST 12, 2011, AND ANALYZED PER EPA METHOD 8021B AND 8015B.

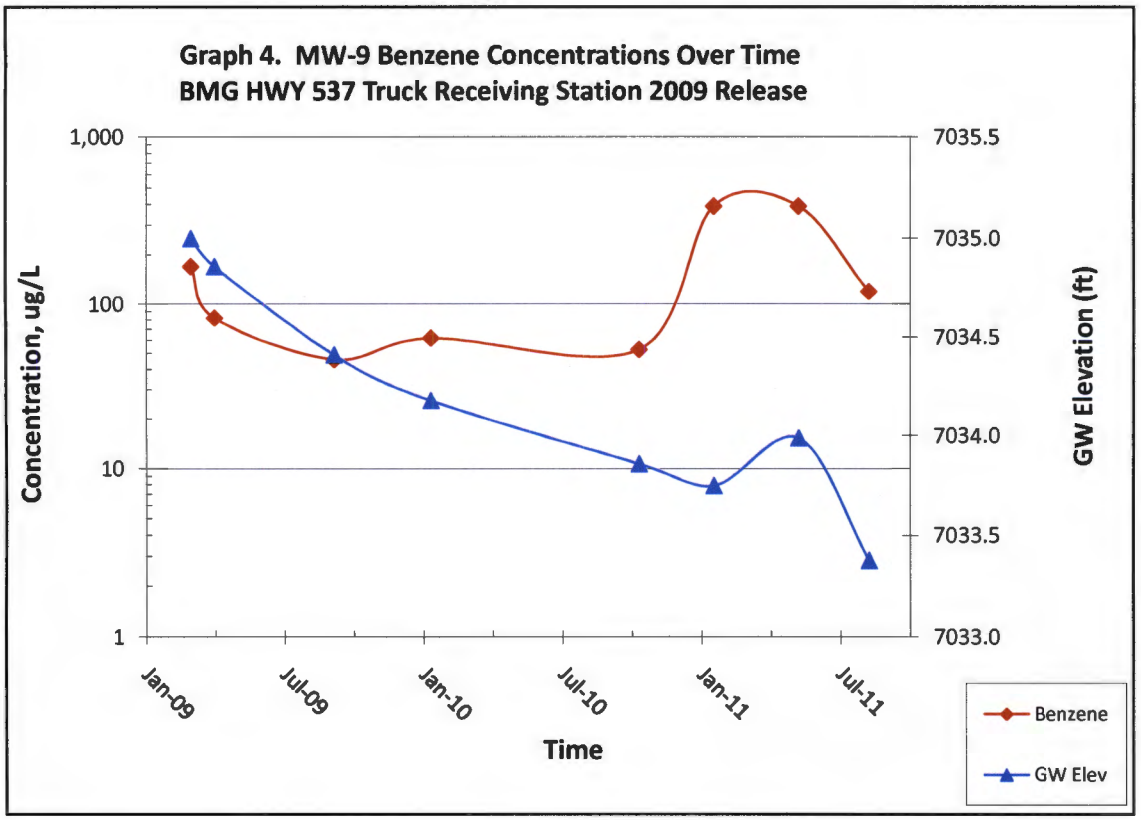
N

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


Graph 1. MW-1 Benzene Concentrations Over Time
BMG HWY 537 Truck Receiving Station 2009 Release
10,000
1,000
100
10
1
Concentration, ug/L
7037.0
7036.5
7036.0
7035.5
7035.0
7034.5
GW Elevation (ft)
Jan-09
Jul-09
Jan-10
Jul-10
Jan-11
Jul-11
Time
Benzene
GW Elev


Graph 2. MW-3 Benzene Concentrations Over Time
BMG HWY 537 Receiving Station 2009 Release
10,000
1,000
100
10
1
Concentration, ug/L
7037.0
7036.5
7036.0
7035.5
7035.0
7034.5
GW Elevation (ft)
Jan-09
Jul-09
Jan-10
Jul-10
Jan-11
Jul-11
Time
Benzene
GW Elev


Graph 3. MW-8 Benzene Concentrations Over Time
BMG HWY 537 Receiving Station 2009 Release
10,000
1,000
100
10
1
Concentration, ug/L
7036.0
7035.5
7035.0
7034.5
7034.0
7033.5
GW Elevation (ft)
Jan-09
Jul-09
Jan-10
Jul-10
Jan-11
Jul-11
Time
Benzene
GW Elev


Graph 4. MW-9 Benzene Concentrations Over Time
BMG HWY 537 Truck Receiving Station 2009 Release
1,000
100
10
1
Concentration, ug/L
7035.5
7035.0
7034.5
7034.0
7033.5
7033.0
GW Elevation (ft)
Jan-09
Jul-09
Jan-10
Jul-10
Jan-11
Jul-11
Time
Benzene
GW Elev

DEPTH TO GROUNDWATER MEASUREMENT FORM

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

Project: Groundwater Monitoring
Site: Hwy 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Tech: N. Willis

Project No.: AES 090201
Date: 8-12-11
Time: 1020
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1520		29.67		
MW-2	1305		29.37		
MW-3	1552		29.02		
MW-4	1415		29.10		
MW-5	1213		29.84		
MW-6	1637		14.93		
MW-7	1037		28.24		
MW-8	1450		29.19		
MW-9	1703		29.22		
MW-10	1344		28.08		
MW-11	1134		29.89		

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2

Project No.: AES 090201
Date: 8-12-11
Arrival Time: 1517
Air Temp: 95°F
T.O.C. Elev. (ft): 7064.66
Total Well Depth (ft): 43.65

Initial D.T.W. (ft): _____ Time: _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.67 Time: 1520 *(taken prior to purging well)*
Final D.T.W. (ft): _____ Time: _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1525	14.05	3.533	5.57	6.82	-162.9	0.25	
1527	13.81	4.110	5.58	6.83	-162.4	1	
1530	13.95	4.435	4.50	6.86	-148.8	1.5	
1533	14.56	4.455	3.25	6.89	-136.2	1.5	
1536	14.31	4.615	3.09	6.92	-112.6	1.5	
1539	14.03	4.637	3.83	6.94	-107.9	1.5	
1544							SAMPLES
							COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water:
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: **MW-2**

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

Site: Highway 537 Truck Station Spill 2009 | Project No.: AES 090201
Location: Rio Arriba County, New Mexico | Date: 8-12-11
Project: Groundwater Monitoring and Sampling | Arrival Time: 1302
Sampling Technician: N. Willis | Air Temp: 88°F
Purge / No Purge: Purge | T.O.C. Elev. (ft): 7064.65
Well Diameter (in): 2 | Total Well Depth (ft): 44.2
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.37 Time: 1305 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1312	13.68	4.315	3.83	7.66	140.7	0.25	
1314	13.42	4.255	3.36	7.55	138.6	1.25	
1317	13.97	4.151	3.27	7.33	142.6	1.5	
1320	14.20	4.139	3.20	7.22	155.8	1.5	
1324	14.17	4.121	4.05	7.14	159.9	1.5	
1327	14.08	4.102	4.36	7.09	160.2	1.5	
1332	~	~	~	~	~	~	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

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

Site: Highway 537 Truck Station Spill 2009 | Project No.: AES 090201
Location: Rio Arriba County, New Mexico | Date: 8-12-11
Project: Groundwater Monitoring and Sampling | Arrival Time: 1549
Sampling Technician: N. Willis | Air Temp: 95°F
Purge / No Purge: Purge | T.O.C. Elev. (ft): 7064.01
Well Diameter (in): 2 | Total Well Depth (ft): 41.1
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.02 Time: 1552 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.:____ D.T.W.:____ Thickness:____ Time:____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) ~~mS~~	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1557	13.85	4.329	4.37	7.14	-199.2	0.25	
1559	13.44	4.308	3.17	7.12	-199.5	1	
1602	13.40	4.315	3.19	7.13	-185.4	1.25	
1605	13.19	4.355	2.61	7.15	-173.2	1.25	
1608	13.18	4.368	2.43	7.16	-166.7	1.25	
1611	13.32	4.372	2.35	7.17	-158.5	1.25	
1616							SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

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

Site: Highway 537 Truck Station Spill 2009 | **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico | **Date:** 8-12-11
Project: Groundwater Monitoring and Sampling | **Arrival Time:** 1412
Sampling Technician: N. Willis | **Air Temp:** 95°F
Purge / No Purge: Purge | **T.O.C. Elev. (ft):** 7063.72
Well Diameter (in): 2 | **Total Well Depth (ft):** 44
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.10 **Time:** 1415 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1420	14.41	4.790	4.49	6.86	125.5	0.25	
1423	13.80	4.781	3.77	6.82	82.8	1.25	
1425	14.03	4.751	3.54	6.81	74.1	1.5	
1429	13.65	4.778	4.19	6.83	73.3	1.5	
1432	13.70	4.766	3.46	6.83	76.8	1.5	
1435	13.89	4.759	3.98	6.85	74.9	1.5	
1440	—						SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 29.84 Time: 1213 (taken prior to purging well)
Final D.T.W. (ft): ____ Time: ____ (taken after sample collection)
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 8-12-11
Arrival Time: 1209
Air Temp: 90°F
T.O.C. Elev. (ft): 7064.79
Total Well Depth (ft): 44.5

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1220	13.69	5,104	4.53	7.20	138.1	0.25	
1223	13.99	5,024	4.71	7.16	146.1	1.25	
1226	14.51	5,092	4.37	7.06	159.0	1.5	
1230	14.00	5,132	4.97	6.90	171.6	1.5	
1233	14.11	5,020	4.78	6.87	183.5	1.5	
1236	13.73	4,968	3.87	6.83	189.8	1.5	
1241	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: **MW-6**

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

Site: Highway 537 Truck Station Spill 2009 | Project No.: AES 090201
Location: Rio Arriba County, New Mexico | Date: 8-12-11
Project: Groundwater Monitoring and Sampling | Arrival Time: 1632
Sampling Technician: N. Willis | Air Temp: 95°F
Purge / No Purge: Purge | T.O.C. Elev. (ft): 7049.54
Well Diameter (in): 2 | Total Well Depth (ft): 23.55
Initial D.T.W. (ft): _____ Time: _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 14.93 Time: 1637 *(taken prior to purging well)*
Final D.T.W. (ft): _____ Time: _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1641	15.62	4.761	5.33	7.91	-41.8	0.25	
						0	
1643	12.45	4.536	5.42	7.76	-27.1	0.25 1	
1645	12.16	4.484	5.29	7.71	-17.2	0.75	
1647	12.02	4.474	4.71	7.64	-9.3	0.75	
1649	11.84	4.476	4.60	7.61	-5.1	0.75	
1651	11.99	4.492	4.24	7.56	0.2	0.75	
1656							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-7

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 28.24 Time: 1037 (taken prior to purging well)
Final D.T.W. (ft): ____ Time: ____ (taken after sample collection)
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 8-12-11
Arrival Time: 1020
Air Temp: 78°F
T.O.C. Elev. (ft): 7062.8
Total Well Depth (ft): 44.6

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1045	14.11	4,178	7.07	7.67	98.1	0.25	
1048	13.29	4,157	3.27	7.54	107.8	~~0.5~~ 0.5	
1051	13.42	4,134	2.61	7.49	112.2	1.5	
1054	13.63	4,125	2.60	7.44	115.4	1.5	
1057	13.62	4,115	2.68	7.39	118.3	1.5	
1100	13.45	4,126	2.92	7.36	118.9	1.5	
1103	13.88	4,119	2.90	7.30	112.8	1.5	
1108	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-8

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 29.19 Time: 1450 (taken prior to purging well)
Final D.T.W. (ft): ____ Time: ____ (taken after sample collection)
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 8-12-11
Arrival Time: 1447
Air Temp: 95°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 44.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1452	14.30	3.755	11.06	7.01	-218.7	0.75	
1456	13.67	4.056	4.91	6.93	-201.3	1.25	
1459	13.40	4.124	4.41	6.93	-183.9	1.5	
1502	13.67	4.210	3.99	6.96	-171.9	1.5	
1505	13.76	4.175	3.67	6.90	-162.2	1.5	
1508	13.85	4.194	3.45	6.97	-148.3	1.5	
1512							SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-9

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

Site: Highway 537 Truck Station Spill 2009 | Project No.: AES 090201
Location: Rio Arriba County, New Mexico | Date: 8-12-11
Project: Groundwater Monitoring and Sampling | Arrival Time: 1701
Sampling Technician: N. Willis | Air Temp: 95°F
Purge / No Purge: Purge | T.O.C. Elev. (ft): 7062.6
Well Diameter (in): 2 | Total Well Depth (ft): 39.15
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): ~~29.22~~ 29.22 Time: 1703 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1706	13.70	4.618	3.63	7.38	-146.6	0.25	
1709	13.15	4.422	3.52	7.36	-137.9	1	
1711	13.00	4.497	4.68	7.35	-137.5	1	
1714	12.90	4.471	4.44	7.34	-135.9	1	
1716	12.88	4.456	4.20	7.32	-132.5	1	
1718	12.92	4.492	5.42	7.33	-132.7	1	
1723							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: **MW-10**

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.08 Time: 1344 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 8-12-11
Arrival Time: 1342
Air Temp: 95°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 38.8

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1351	13.72	4.022	6.22	6.81	217.0	0.25	
1353	13.23	4.002	4.43	6.76	205.4	1	
1355	12.94	4.027	4.31	6.67	196.7	1	
1357	12.50	3.979	4.81	6.65	187.1	1	
1400	12.62	3.947	4.96	6.63	182.5	1	
1402	12.84	3.948	4.99	6.62	175.8	1	
1407	~	~	~	~	~	~	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
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:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-11

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____
Confirm D.T.W. (ft): 29.89 **Time:** 1134
Final D.T.W. (ft): _____ **Time:** _____
If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Project No.: AES 090201
Date: 8-12-11
Arrival Time: 1130
Air Temp: 83°F
T.O.C. Elev. (ft): 7064.1
Total Well Depth (ft): 42.6

(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1145	14.47	4.970	3.85	7.79	79.7	0.25	
1148	12.82	4.904	4.22	7.63	93.9	1.25	
1151	12.79	4.896	3.50	7.53	104.3	1.25	
1153	12.84	4.873	3.68	7.46	111.5	1.25	
1156	12.84	4.886	4.10	7.42	117.9	1.25	
1159	12.89	4.872	3.24	7.39	122.2	1.25	
1204							SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
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:

revised: 08/10/09

DEPTH TO GROUNDWATER MEASUREMENT FORM

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

Project: Groundwater Monitoring
Site: Hwy 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Tech: N. Willis

Project No.: AES 090201
Date: 5-12-11
Time: 1216
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1423		28.93		
MW-2	1358		28.63		
MW-3	1253		28.21		
MW-4	1446		28.39		
MW-5	1531		29.17		
MW-6	1647		14.00		
MW-7	1323		27.46		
MW-8	1509		28.52		
MW-9	1624		28.61		
MW-10	1218		27.28		
MW-11	1555		29.25		

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 5-12-11
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1421
Sampling Technician: N. Willis **Air Temp:** 68°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.66
Well Diameter (in): 2 **Total Well Depth (ft):** 43.65
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.93 **Time:** 1423 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1426	13.70	3.451	3.24	7.08	-110.3	0.25	
1428	13.11	4.161	2.58	7.10	-97.0	1.5	
1430	13.11	4.152	1.90	7.07	-93.5	1.5	
1432	13.17	3.706	2.55	6.98	-102.7	1.5	
1434	13.04	4.268	1.67	7.07	-89.4	1.5	
1436	13.08	3.830	2.95	7.00	-96.1	1.5	
1441	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

Monitor Well No: MW-2

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

Site: Highway 537 Truck Station Spill 2009 | Project No.: AES 090201
Location: Rio Arriba County, New Mexico | Date: 5-12-11
Project: Groundwater Monitoring and Sampling | Arrival Time: 1355
Sampling Technician: N. Willis | Air Temp: 65°F
Purge / No Purge: Purge | T.O.C. Elev. (ft): 7064.65
Well Diameter (in): 2 | Total Well Depth (ft): 44.2
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.63 Time: 1358 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1402	13.54	4.142	3.77	7.85	-86.7	0.25	
1404	13.15	4.179	3.15	7.94	-101.6	1.5	
1406	13.02	4.180	2.55	8.03	-109.7	1.5	
1408	12.88	4.219	1.79	8.08	-112.5	1.5	
1410	13.08	4.108	1.32	7.73	-78.6	1.5	
1412	13.14	4.087	1.43	7.67	-66.7	1.5	
1417	—						SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

~~Revised: 08/10/09~~

Monitor Well No: **MW-3**

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.21 Time: 1253 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 5-12-11
Arrival Time: 1251
Air Temp: 65°F
T.O.C. Elev. (ft): 7064.01
Total Well Depth (ft): 41.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1258	13.85	3.871	2.38	7.16	-132.0	.25	
1300	13.05	4.200	2.25	7.28	-142.9	1.25	
1303	12.70	4.128	2.70	7.32	-149.2	1.25	
1306	12.56	4.138	2.31	7.23	-146.2	1.25	
1309	12.69	4.238	1.55	7.29	-139.8	1.25	
1312	12.56	4.172	2.25	7.28	-145.8	1.25	
[redacted]							SAMPLES
1317							COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

Monitor Well No: MW-4

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

Site: Highway 537 Truck Station Spill 2009 | **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico | **Date:** 5-12-11
Project: Groundwater Monitoring and Sampling | **Arrival Time:** 1445
Sampling Technician: N. Willis | **Air Temp:** 68°F
Purge / No Purge: Purge | **T.O.C. Elev. (ft):** 7063.72
Well Diameter (in): 2 | **Total Well Depth (ft):** 44
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.39 **Time:** 1446 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1450	13.34	4.638	2.41	7.28	-69.1	0.25	
1452	13.20	4.642	1.74	7.30	-53.0	1.5	
1454	13.04	4.572	2.52	7.35	-44.7	1.5	
1456	13.11	4.593	2.70	7.29	-34.1	1.5	
1458	13.07	4.579	2.65	7.30	-32.0	1.5	
1500	13.11	4.576	2.58	7.29	-25.8	1.5	
1505	—						SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 29.17 Time: 1531 (taken prior to purging well)
Final D.T.W. (ft): ____ Time: ____ (taken after sample collection)
If NAPL Present: D.T.P.:____ D.T.W.:____ Thickness:____ Time:____

Project No.: AES 090201
Date: 5-12-11
Arrival Time: 1530
Air Temp: 65°F
T.O.C. Elev. (ft): 7064.79
Total Well Depth (ft): 44.5

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1535	12.81	4.964	2.20	7.32	-90.1	0.25	
1537	12.57	4.941	2.78	7.34	-71.2	1.5	
1539	12.42	4.935	2.95	7.36	-62.9	1.5	
1541	12.42	4.945	2.61	7.45	-58.9	1.5	
1543	12.32	4.953	3.01	7.40	-46.2	1.5	
1545	12.40	4.957	2.44	7.42	-44.4	1.5	
1550	~	~	~	~	~	~	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORDS

Monitor Well No: **MW-6**

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 14.00 Time: 1647 (taken prior to purging well)
Final D.T.W. (ft): ____ Time: ____ (taken after sample collection)
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 5-12-11
Arrival Time: 1645
Air Temp: 65°F
T.O.C. Elev. (ft): 7049.54
Total Well Depth (ft): 23.55

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1650	11.32	4.372	1.85	7.46	-82.7	0.25	
1652	10.87	4.351	2.10	7.46	-60.9	0.75	
1654	10.83	4.347	2.48	7.47	-48.0	1	
1656	10.57	4.341	1.95	7.47	-38.8	1	
1700	10.60	4.341	1.55	7.46	-31.7	1	
1702	16.69	4.349	1.89	7.47	-24.9	1	
1707	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

Monitor Well No: **MW-7**

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.46 Time: 1323 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 5-12-11
Arrival Time: 1321
Air Temp: 65°F
T.O.C. Elev. (ft): 7062.8
Total Well Depth (ft): 44.6

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1327	13.28	4.082	3.00	7.44	-107.2	0.25	
1330	13.20	4.074	3.05	7.39	-25.7	1	
1333	13.13	4.096	2.29	7.44	-86.9	1.5	
1336	13.01	4.099	1.95	7.40	-79.3	1.5	
1339	13.06	4.097	1.74	7.41	-77.0	1.5	
1342	12.63	4.114	1.73	7.39	-74.3	1.5	
1345	12.80	4.118	1.73	7.38	-70.4	1.5	
1350	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-8

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

Site:	Highway 537 Truck Station Spill 2009	Project No.:	AES 090201
Location:	Rio Arriba County, New Mexico	Date:	5-12-11
Project:	Groundwater Monitoring and Sampling	Arrival Time:	1508
Sampling Technician:	N. Willis	Air Temp:	65°F
Purge / No Purge:	Purge	T.O.C. Elev. (ft):	7063.27
Well Diameter (in):	2	Total Well Depth (ft):	44.1
Initial D.T.W. (ft):		Time:	(taken at initial gauging of all wells)
Confirm D.T.W. (ft):	28.52	Time: 1509	(taken prior to purging well)
Final D.T.W. (ft):		Time:	(taken after sample collection)
If NAPL Present:	D.T.P.:	D.T.W.:	Thickness: Time:

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1512	13.71	2.962	2.83	7.08	-128.5	0.25	
1514	13.20	3.055	3.50	7.07	-133.4	1.5	
1516	13.40	3.990	1.83	7.15	-124.7	1.5	
1518	13.10	3.996	1.67	7.17	-122.3	1.5	
1520	13.23	3.975	1.55	7.16	-122.3	1.5	
1522	13.16	3.966	1.60	7.16	-121.2	1.5	
1527							SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water:

Collected Samples Stored on Ice in Cooler:

Chain of Custody Record Complete:

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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-9

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ Time: _____
Confirm D.T.W. (ft): 28.61 Time: 1624
Final D.T.W. (ft): _____ Time: _____
If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Project No.: AES 090201
Date: 5-12-11
Arrival Time: 1622
Air Temp: 65°F
T.O.C. Elev. (ft): 7062.6
Total Well Depth (ft): 39.15
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1628	13.61	4.361	1.75	7.30	-92.7	0.25	
1630	13.57	4.295	1.69	7.24	-101.4	1	
1632	13.29	4.323	2.48	7.27	-99.1	1	
1634	13.21	4.219	2.07	7.25	-98.8	1	
1636	13.18	4.153	2.21	7.27	-95.0	1	
1638	13.12	4.120	2.31	7.28	-94.1	1	
1643	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-10

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ Time: ____ (taken at initial gauging of all wells)
Confirm D.T.W. (ft): 27.28 Time: 1218 (taken prior to purging well)
Final D.T.W. (ft): ____ Time: ____ (taken after sample collection)
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Project No.: AES 090201
Date: 5-12-11
Arrival Time: 1216
Air Temp: 65°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 38.8

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1223	13.16	3.767	2.25	7.36	50.3	0.25	
1226	12.34	3.805	1.81	7.30	81.0	0.5	
1229	12.30	3.818	2.12	7.33	69.7	1	
1232	12.54	3.817	1.56	7.29	71.9	1	
1235	12.18	3.858	2.20	7.26	101.3	1	
1238	12.41	3.895	1.63	7.26	71.2	1	
1241	12.26	3.839	1.34	7.26	84.9	1	
1246	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: **MW-11**

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

Site: Highway 537 Truck Station Spill 2009 | Project No.: AES 090201
Location: Rio Arriba County, New Mexico | Date: 5-12-11
Project: Groundwater Monitoring and Sampling | Arrival Time: 1553
Sampling Technician: N. Willis | Air Temp: 65°F
Purge / No Purge: Purge | T.O.C. Elev. (ft): 7064.1
Well Diameter (in): 2 | Total Well Depth (ft): 42.6
Initial D.T.W. (ft): ____ Time: ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.25 Time: 1555 *(taken prior to purging well)*
Final D.T.W. (ft): ____ Time: ____ *(taken after sample collection)*
If NAPL Present: D.T.P.: ____ D.T.W.: ____ Thickness: ____ Time: ____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1559	13.11	4.759	2.33	7.42	-37.7	0.25	
1601	13.09	4.706	2.51	7.48	-33.7	1.25	
1603	12.68	4.769	2.72	7.42	-24.1	1.25	
1605	12.68	4.744	2.14	7.42	-22.1	1.25	
1607	12.73	4.753	2.64	7.40	-18.4	1.25	
1609	12.97	4.701	2.71	7.41	-16.0	1.25	
1614	—	—	—	—	—	—	SAMPLES COLLECTED

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

DEPTH TO GROUNDWATER MEASUREMENT FORM

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

Project: Groundwater Monitoring
Site: Hwy 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Tech: N. Willis

Project No.: AES 090201
Date: 1-21-11
Time: 0915
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	0933		29.28		
MW-2	0935		28.99		
MW-3	0941		28.60		
MW-4	0930		28.72		
MW-5	0923		29.47		
MW-6	0950		14.42		
MW-7	0943		27.82		
MW-8	0928		28.80		
MW-9	0947		28.85		
MW-10	0937		27.66		
MW-11	0925		29.53		

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site:	Highway 537 Truck Station Spill 2009	**Project No.:**	AES 090201
Location:	Rio Arriba County, New Mexico	**Date:**	1-21-11
Project:	Groundwater Monitoring and Sampling	**Arrival Time:**	1417
Sampling Technician:	N. Willis	**Air Temp:**	35°F
Purge / No Purge:	Purge	**T.O.C. Elev. (ft):**	7064.66
Well Diameter (in):	2	**Total Well Depth (ft):**	43.65

Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.28 **Time:** 0933 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1419	13.03	3.489	1.73	6.89	-109.5	0.25	
1422	12.51	3.470	2.16	6.88	-102.0	1	
1425	12.56	3.495	1.94	6.88	-102.4	1.5	
1428	12.47	3.682	2.45	6.88	-100.3	1.5	
1431	12.34	4.045	2.25	6.90	-92.6	1.5	
1434	12.42	4.246	1.63	6.92	-85.8	1.5	
1439							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.99 **Time:** 0935 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1220
Air Temp: 36°F
T.O.C. Elev. (ft): 7064.65
Total Well Depth (ft): 44.2

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1222	12.13	3.997	2.20	8.12	-43.3	0.25	
1225	11.98	4.009	1.78	8.51	-22.7	1.5	
1228	11.85	4.023	1.59	8.78	-20.7	1.5	
1231	11.79	4.037	1.41	8.88	-26.3	1.5	
1234	11.67	4.050	1.52	8.78	-24.4	1.5	
1237	11.44	4.045	1.62	8.56	-6.2	1.5	
1242	—						Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ **Time:** ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.60 **Time:** 0941 *(taken prior to purging well)*
Final D.T.W. (ft): ____ **Time:** ____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** ____ **D.T.W.:** ____ **Thickness:** ____ **Time:** ____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1443
Air Temp: 35°F
T.O.C. Elev. (ft): 7064.01
Total Well Depth (ft): 41.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1445	12.25	4.036	1.35	7.00	-108.9	0.25	
1448	11.54	4.114	2.51	7.13	-124.3	1	
1451	11.83	4.166	2.92	7.13	-125.0	1	
1454	12.35	4.180	5.33	7.16	-126.4	1	
1457	12.12	4.180	2.55	7.17	-126.8	1	
1500	11.96	4.213	2.95	7.18	-125.8	1	
1503	11.92	4.224	1.60	7.20	-122.5	1	
1508							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-21-11
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1153
Sampling Technician: N. Willis **Air Temp:** 33°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.72
Well Diameter (in): 2 **Total Well Depth (ft):** 44
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.72 **Time:** 0930 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1154	12.51	4.737	1.87	7.26	44.9	0.25	
1157	12.24	4.753	1.35	7.23	15.8	1.5	
1200	11.65	4.750	1.80	7.21	10.0	1.5	
1203	11.93	4.681	1.46	7.21	6.5	1.5	
1206	11.53	4.755	1.25	7.20	7.6	1.5	
1209	11.90	4.748	1.14	7.19	5.4	1.5	
1214							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: MW-5	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-21-11
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1125
Sampling Technician: N. Willis **Air Temp:** 33°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.79
Well Diameter (in): 2 **Total Well Depth (ft):** 44.5
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.47 **Time:** 0923 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1127	12.19	4.994	2.21	7.33	147.5	0.25	
1130	12.12	5.004	2.86	7.34	126.5	1.5	
1133	11.90	5.028	2.77	7.34	114.6	1.5	
1136	11.90	5.010	2.70	7.33	111.5	1.5	
1139	11.95	5.030	2.94	7.32	105.7	1.5	
1142	11.93	5.038	2.71	7.31	103.9	1.5	
1147							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-6

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 14.42 **Time:** 0950 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1518
Air Temp: 35°F
T.O.C. Elev. (ft): 7049.54
Total Well Depth (ft): 23.55

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1520	11.51	4.513	2.71	7.34	-66.3	0.25	
1523	11.60	4.504	5.87	7.31	-43.6	0.75	
1526	11.56	4.517	6.31	7.31	-29.4	0.75	
1529	11.36	4.493	5.39	7.33	-23.6	0.75	
1532	11.78	4.511	2.14	7.32	-15.5	0.75	
1535	11.40	4.495	6.88	7.33	-37.7	0.75	
1538	11.59	4.516	3.10	7.32	-37.3	0.75	
1543							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-7

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.82 **Time:** 0943 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1319
Air Temp: 38°F
T.O.C. Elev. (ft): 7062.8
Total Well Depth (ft): 44.6

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1321	10.80	4.157	3.14	7.42	89.6	0.25	
1324	11.06	4.163	2.13	7.40	82.6	0.5	
1327	11.01	4.187	1.90	7.40	64.7	1.5	
1330	10.85	4.190	2.17	7.40	54.0	1.5	
1333	10.93	4.197	2.13	7.39	48.0	1.5	
1336	10.81	4.200	1.73	7.38	43.9	1.5	
1339	10.79	4.205	2.22	7.37	42.0	1.5	
1344	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-8

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ **Time:** ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.80 **Time:** 0928 *(taken prior to purging well)*
Final D.T.W. (ft): ____ **Time:** ____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** ____ **D.T.W.:** ____ **Thickness:** ____ **Time:** ____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1350
Air Temp: 36°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 44.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1351	12.55	3.250	1.56	7.12	-99.1	0.25	
1354	12.65	3.497	1.68	7.07	-107.1	1.5	
1357	12.62	3.724	1.44	7.04	-106.9	1.5	
1400	12.50	3.878	1.54	7.05	-100.9	1.5	
1403	12.38	3.939	1.91	7.08	-94.9	1.5	
1406	12.30	4.002	1.55	7.08	-91.2	1.5	
1411	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-9

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.85 **Time:** 0947 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1548
Air Temp: 35°F
T.O.C. Elev. (ft): 7062.6
Total Well Depth (ft): 39.15

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1550	12.74	4.037	1.69	7.21	-98.2	0.25	
1553	12.61	4.352	3.49	7.20	-105.6	1	
1556	12.31	4.305	1.73	7.18	-103.1	1	
1559	12.33	4.407	1.61	7.17	-97.3	1	
1602	12.46	4.452	1.38	7.16	-92.4	1	
1605	12.67	4.452	1.34	7.16	-90.8	1	
1610	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-10

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.66 **Time:** 0937 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1248
Air Temp: 37°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 38.8

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1250	11.05	3.815	1.78	7.99	40.1	0.25	
1253	11.44	3.849	1.74	7.82	59.4	0.5	
1256	10.64	3.889	1.68	7.69	61.5	1	
1259	11.03	3.854	1.88	7.80	72.7	1	
1302	10.91	3.911	1.99	7.53	83.2	1	
1305	10.76	3.907	1.92	7.51	80.0	1	
1308	10.73	3.946	1.78	7.45	90.1	1	
1313	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-11

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.53 **Time:** 0925 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ **Thickness:**_____ **Time:**_____

Project No.: AES 090201
Date: 1-21-11
Arrival Time: 1055
Air Temp: 29°F
T.O.C. Elev. (ft): 7064.1
Total Well Depth (ft): 42.6

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1057	12.20	4.920	3.60	7.46	262.9	0.25	
1100	11.64	4.928	1.43	7.43	247.6	1.25	
1103	11.49	4.935	1.62	7.41	237.4	1.25	
1106	11.26	4.940	1.93	7.38	231.3	1.25	
1109	11.49	4.951	1.63	7.36	222.9	1.25	
1112	11.55	4.937	1.75	7.37	216.0	1.25	
1117	—						Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
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:

DEPTH TO GROUNDWATER MEASUREMENT FORM

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

Project: Groundwater Monitoring
Site: Hwy 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Tech: NW

Project No.: AES 090201
Date: 10-14-10
Time: 1223
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1243	—	29.20	—	
MW-2	1428	—	28.91	—	
MW-3	1544	—	28.54	—	
MW-4	1325	—	28.64	—	
MW-5	1349	—	29.38	—	
MW-6	1447	—	14.39	—	
MW-7	1227	—	27.76	—	
MW-8	1402	—	28.70	—	
MW-9	1511	—	28.74	—	
MW-10	1507	—	27.61	—	
MW-11	1310	—	29.44	—	

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site: Highway 537 Truck Station Spill 2009 | **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico | **Date:** 10-15-10
Project: Groundwater Monitoring and Sampling | **Arrival Time:** 1240
Sampling Technician: N. Willis | **Air Temp:** 70°F
Purge / No Purge: Purge | **T.O.C. Elev. (ft):** 7064.66
Well Diameter (in): 2 | **Total Well Depth (ft):** 43.65
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.20 **Time:** 1243 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1246	14.56	3.190	4.53	6.86	-87.8	0.25	
1249	14.16	4.307	1.57	7.04	-73.1	1	
1252	13.18	4.551	1.52	7.09	-55.0	1	
1255	13.39	4.627	2.02	7.15	-36.8	1	
1259	13.23	4.669	1.47	7.17	-27.9	1	
1302	13.91	4.656	1.56	7.17	-15.4	1	
1305	13.51	4.642	1.29	7.16	-25.3	1	
1308	13.77	4.642	1.51	7.14	-17.9	1	
1313	—	—	—	—	—	—	Samples collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____

Collected Samples Stored on Ice in Cooler: _____

Chain of Custody Record Complete: _____

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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.91 **Time:** 1428 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 10-14-10
Arrival Time: 1426
Air Temp: 70°F
T.O.C. Elev. (ft): 7064.65
Total Well Depth (ft): 44.2

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1431	14.07	3,902	1.33	8.24	57.0	0.25	
1434	12.76	3,952	1.20	7.86	80.0	1.25	
1437	12.77	3.977	1.42	7.63	88.1	1	
1440	12.50	3,974	1.45	7.53	91.9	1	
1443	12.54	3,980	1.41	7.48	92.3	1	
1445	12.52	3.969	1.93	7.44	94.0	1	
1448	12.47	3,975	1.80	7.42	96.1	1	
1450	12.49	3.968	1.71	7.40	98.9	1	
1455	—					—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ **Time:** ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.54 **Time:** 1544 *(taken prior to purging well)*
Final D.T.W. (ft): ____ **Time:** ____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** ____ **D.T.W.:** ____ **Thickness:** ____ **Time:** ____

Project No.: AES 090201
Date: 10-14-10
Arrival Time: 1540
Air Temp: 70°F
T.O.C. Elev. (ft): 7064.01
Total Well Depth (ft): 41.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1546	13.36	3.989	1.55	7.12	-139.9	0.25	
1549	12.75	3.985	1.33	7.17	-131.8	1	
1552	12.44	4.133	1.70	7.25	-97.6	1	
1555	12.40	4.167	1.33	7.26	-76.8	1	
1558	12.50	4.179	1.82	7.25	-61.8	1	
1601	12.47	4.185	1.22	7.25	-56.8	1	
1603	12.41	4.180	1.46	7.24	-53.1	1	
1608							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 10-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1321
Sampling Technician: N. Willis **Air Temp:** 70°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.72
Well Diameter (in): 2 **Total Well Depth (ft):** 44
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.64 **Time:** 1325 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1328	13.79	4.519	1.59	7.16	-0.2	0.25	
1331	13.04	4.514	1.62	7.15	6.9	1.25	
1333	12.77	4.508	1.27	7.14	17.3	1	
1336	12.70	4.500	1.39	7.13	24.0	1	
1339	12.63	4.492	1.38	7.12	30.6	1	
1341	12.57	4.498	1.79	7.13	36.9	1	
1344	12.63	4.497	1.55	7.13	38.9	1	
1347	12.52	4491	1.42	7.13	42.8	1	
1352							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ **Time:** ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.38 **Time:** 1349 *(taken prior to purging well)*
Final D.T.W. (ft): ____ **Time:** ____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** ____ **D.T.W.:** ____ **Thickness:** ____ **Time:** ____

Project No.: AES 090201
Date: 10-14-10
Arrival Time: 1346
Air Temp: 70°F
T.O.C. Elev. (ft): 7064.79
Total Well Depth (ft): 44.5

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1352	13.54	4,825	2.41	7.24	104.5	0.25	
1355	12.37	4.830	1.73	7.24	110.9	1.25	
1358	12.29	4.811	1.75	7.23	111.6	1	
1401	12.28	4.783	1.68	7.23	111.1	1	
1404	12.35	4.761	1.55	7.24	106.4	1	
1407	12.27	4.752	1.44	7.23	105.1	1	
1410	12.32	4.740	1.42	7.24	103.7	1	
1412	12.34	4.725	1.24	7.23	98.1	1	
1417	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-6

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 14.39 **Time:** 1447 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 10-15-10
Arrival Time: 1444
Air Temp: 70°F
T.O.C. Elev. (ft): 7049.54
Total Well Depth (ft): 23.55

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1450	14.01	4.332	1.80	7.24	-13.4	0.25	
1452	12.70	4.362	1.99	7.22	4.2	1.25	
1454	12.46	4.353	1.91	7.23	12.0	1	
1456	12.37	4.355	1.67	7.23	19.1	1	
1458	12.45	4.353	1.40	7.24	20.7	1	
1503							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-7

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 10-14-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1223
Sampling Technician: N. Willis **Air Temp:** 70°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7062.8
Well Diameter (in): 2 **Total Well Depth (ft):** 44.6
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.76 **Time:** 1227 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1230	14.92	4.004	3.52	7.44	103.4	0.25	
1233	13.17	4.101	2.88	7.35	86.3	1	
1236	12.57	4.113	1.30	7.31	70.4	1	
1239	12.68	4.029	1.49	7.27	67.9	1	
1242	12.71	4.030	1.10	7.24	67.0	1	
1244	12.62	4.032	1.39	7.21	66.5	1	
1247	12.60	4.050	1.16	7.21	66.0	1	
1250	12.97	4.044	1.42	7.20	66.4	1	
1253	12.79	4.047	1.24	7.19	68.6	1	
1258							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-8

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 10-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1359
Sampling Technician: N. Willis **Air Temp:** 70°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.27
Well Diameter (in): 2 **Total Well Depth (ft):** 44.1
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.70 **Time:** 1402 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1404	13.46	3.880	1.34	6.94	-134.2	0.25	
1407	12.97	3.921	1.16	7.00	-105.1	1.25	
1410	12.91	3.993	1.19	7.02	-85.8	1	
1413	12.77	4.012	1.59	7.04	-68.6	1	
1415	12.79	4.025	1.73	7.04	-57.4	1	
1418	12.83	4.026	1.42	7.06	-49.2	1	
1420	12.79	4.020	1.34	7.06	-40.9	1	
1423	12.80	4.017	1.21	7.04	-39.1	1	
1428	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: MW-9	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site:	Highway 537 Truck Station Spill 2009	**Project No.:**	AES 090201
Location:	Rio Arriba County, New Mexico	**Date:**	10-15-10
Project:	Groundwater Monitoring and Sampling	**Arrival Time:**	1508
Sampling Technician:	N. Willis	**Air Temp:**	70°F
Purge / No Purge:	Purge	**T.O.C. Elev. (ft):**	7062.6
Well Diameter (in):	2	**Total Well Depth (ft):**	39.15
Initial D.T.W. (ft):	____ **Time:** ____		*(taken at initial gauging of all wells)*
Confirm D.T.W. (ft):	28.74 **Time:** 1511		*(taken prior to purging well)*
Final D.T.W. (ft):	____ **Time:** ____		*(taken after sample collection)*
If NAPL Present:	**D.T.P.:** ____ **D.T.W.:** ____	**Thickness:** ____	**Time:** ____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1512	13.95	4.486	2.03	7.14	-93.1	0.25	
1516	13.06	4.526	1.87	7.15	-82.6	1	
1519	12.81	4.567	1.81	7.17	-79.1	1	
1521	12.89	4.553	2.95	7.18	-77.7	1	
1524	12.86	4.557	2.42	7.18	-75.3	1	
~~1526~~ 1526	12.85	4.561	1.89	7.17	-74.4	1	
~~1531~~							Samples
1531							Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____

Collected Samples Stored on Ice in Cooler: ____

Chain of Custody Record Complete: ____

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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-10

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.61 **Time:** 1507 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 10-14-10
Arrival Time: 1505
Air Temp: 70°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 38.8

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1510	15.15	3.808	1.89	7.25	119.1	0.25	
1514	13.12	3.788	1.55	7.22	118.2	1.25	
1518	12.41	3.805	1.67	7.23	118.5	1	
1522	12.15	3.809	1.98	7.25	121.2	1	
1525	11.95	3.787	2.19	7.25	118.7	1	
1527	11.98	3.811	1.80	7.22	119.2	1	
1532	~	~	~	~	~	~	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-11

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

Site: Highway 537 Truck Station Spill 2009 | **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico | **Date:** 10-14-10
Project: Groundwater Monitoring and Sampling | **Arrival Time:** 1306
Sampling Technician: N. Willis | **Air Temp:** 70°F
Purge / No Purge: Purge | **T.O.C. Elev. (ft):** 7064.1
Well Diameter (in): 2 | **Total Well Depth (ft):** 42.6
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.44 **Time:** 1310 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1314	14.73	4.846	1.27	7.18	107.3	0.25	
1317	13.12	4.876	1.22	7.16	103.7	1.25	
1320	12.94	4.882	1.60	7.19	108.1	1	
1323	13.09	4.912	1.45	7.19	103.3	1	
1325	13.07	4.875	1.76	7.19	98.5	1	
1328	13.30	4.891	1.60	7.19	95.8	1	
1331	13.00	4.901	1.93	7.20	94.5	1	
1336							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

DEPTH TO GROUNDWATER MEASUREMENT FORM

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

Project: Groundwater Monitoring
Site: Hwy 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Tech: NW

Project No.: AES 090201
Date: 1-5-10
Time: 1031
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1056	—	28.91	—	
MW-2	1118	—	28.62	—	
MW-3	1137	—	28.22	—	
MW-4	1153	—	28.34	—	
MW-5	1209	—	29.10	—	
MW-6	1402	—	14.02	—	
MW-7	1227	—	27.44	—	
MW-8	1243	—	28.39	—	
MW-9	1341	—	28.42	—	
MW-10	1302	—	27.29	—	
MW-11	1320	—	29.13	—	

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: [redacted] Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.91 **Time:** 1056 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-15-10
Arrival Time: 1051
Air Temp: 30°F
T.O.C. Elev. (ft): 7064.66
Total Well Depth (ft): 43.65

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1058	13.30	3.714	2.74	6.79	-167.8	0.25	
1105						~~2.0~~	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

~~Revised: 08/18/09~~

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1115
Sampling Technician: N. Willis **Air Temp:** 30°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.65
Well Diameter (in): 2 **Total Well Depth (ft):** 44.2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.62 **Time:** 1118 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1121	12.49	3.604	2.10	7.57	-70.3	0.25	
1129						2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.22 **Time:** 1137 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-15-09 10
Arrival Time: 1133
Air Temp: 30°F
T.O.C. Elev. (ft): 7064.01
Total Well Depth (ft): 41.1

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1139	11.99	3.607	1.85	7.27	-222.5	0.25	
1147						2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

~~revised: 08/10/09~~

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: MW-4	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1151
Sampling Technician: N. Willis **Air Temp:** 30°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.72
Well Diameter (in): 2 **Total Well Depth (ft):** 44
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.34 **Time:** 1153 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1155	11.65	3.812	2.78	7.20	-125.1	0.25	
1203						2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1206
Sampling Technician: N. Willis **Air Temp:** 30°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.79
Well Diameter (in): 2 **Total Well Depth (ft):** 44.5
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.10 **Time:** 1209 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1212	11.19	4.288	1.93	7.27	-85.8	0.25	
1220						2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-6

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 14.02 **Time:** 1402 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-15-10
Arrival Time: 1355
Air Temp: 30°F
T.O.C. Elev. (ft): 7049.54
Total Well Depth (ft): 23.55

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1406	10.81	3.789	2.46	7.35	-66.7	0.25	
1415	—	—	—	—	—	2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-7

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.44 **Time:** 1227 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-15-10
Arrival Time: 1224
Air Temp: 30°F
T.O.C. Elev. (ft): 7062.8
Total Well Depth (ft): 44.6

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1229	11.02	3.820	2.92	7.27	-66.3	0.25	
1237	"	"	"	"	"	2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-8

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1240
Sampling Technician: N. Willis **Air Temp:** 30°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.27
Well Diameter (in): 2 **Total Well Depth (ft):** 44.1
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.39 **Time:** 1243 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1246	11.43	2.891	1.80	6.68	-162.2	0.25	
1254						2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)

TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____

Collected Samples Stored on Ice in Cooler: _____

Chain of Custody Record Complete: _____

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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-9

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.42 **Time:** 1341 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 1-15-10
Arrival Time: 1337
Air Temp: 30°F
T.O.C. Elev. (ft): 7062.6
Total Well Depth (ft): 39.15

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1343	10.89	3,960	2.29	7.13	-187.4	0.25	
1352						2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: MW-10	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1259
Sampling Technician: N. Willis **Air Temp:** 30°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.27
Well Diameter (in): 2 **Total Well Depth (ft):** 38.8
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.29 **Time:** 1302 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1305	10.82	3.210	2.47	7.10	-99.3	0.25	
1313	—	—	—	—	—	2.0	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD	Animas Environmental Services
Monitor Well No: MW-11	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 1-15-10
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1318
Sampling Technician: N. Willis **Air Temp:** 30°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.1
Well Diameter (in): 2 **Total Well Depth (ft):** 42.6
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 29.13 **Time:** 1320 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1323	10.20	3.995	1.86	7.16	-59.2	0.25	
1331						2.0	Samples collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

DEPTH TO GROUNDWATER MEASUREMENT FORM

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

Project: Groundwater Monitoring
Site: Hwy 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Tech: Nathan Willis

Project No.: AES 090201
Date: 9-10-09
Time: 1010
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1046		28.66		
MW-2	1110		28.38		
MW-3	1120		27.99		
MW-4	1323		28.12		
MW-5	1358		28.87		
MW-6	1215		13.90		
MW-7	1246		27.83		
MW-8	1543		28.16		
MW-9	1509		28.19		
MW-10	1024		27.10		
MW-11	1433		28.88		

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.66 **Time:** 1046 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 9-11-09
Arrival Time: 1045
Air Temp: 65°F
T.O.C. Elev. (ft): 7064.66
Total Well Depth (ft): 43.65

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1053	13.66	7.055	1.14	8.39	-107.5	0.25	
1056	13.31	6.374	1.10	8.61	-132.5	1.5	
1059	13.19	6.929	0.70	8.60	-127.0	1.5	
1102	13.10	6.805	0.93	8.51	-122.1	1.5	
1105	13.06	7.324	0.90	8.50	-114.3	1.5	
1108	13.15	7.016	0.65	8.60	-118.5	1.25	
1113							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): ____ **Time:** ____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.38 **Time:** 1110 *(taken prior to purging well)*
Final D.T.W. (ft): ____ **Time:** ____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** ____ **D.T.W.:** ____ **Thickness:** ____ **Time:** ____

Project No.: AES 090201
Date: 9-10-09
Arrival Time: 1105
Air Temp: 68°F
T.O.C. Elev. (ft): 7064.65
Total Well Depth (ft): 44.2

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1118	14.06	6.263	1.03	11.13	9.6	0.25	
1121	13.57	6.662	1.10	8.77	39.9	1.5	
1125	13.31	6.693	1.07	8.04	52.6	1.5	
1129	13.09	6.604	1.19	7.91	52.8	1.5	
1132	12.94	6.523	1.23	7.71	58.4	1.5	
1135	12.93	6.480	1.09	7.58	62.2	1.5	
1140							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: ____
Collected Samples Stored on Ice in Cooler: ____
Chain of Custody Record Complete: ____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 9-11-09
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1116
Sampling Technician: N. Willis **Air Temp:** 68°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.01
Well Diameter (in): 2 **Total Well Depth (ft):** 41.1
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.99 **Time:** 1120 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1127	14.31	6.218	0.71	9.62	-184.2	0.25	
1130	13.24	6.119	0.68	9.72	-166.0	1.25	
1133	13.33	6.012	0.86	9.39	-153.5	1.25	
1136	12.75	6.061	0.78	9.58	-167.0	1.25	
1139	12.77	6.030	0.62	9.24	-144.7	1.25	
1142	13.50	6.080	0.53	9.43	-163.6	1.25	
1147	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.12 **Time:** 1323 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 9-10-09
Arrival Time: 1321
Air Temp: 68°F
T.O.C. Elev. (ft): 7063.72
Total Well Depth (ft): 44

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1330	13.34	6.388	1.03	7.00	54.7	0.25	
1333	13.26	6.316	1.23	7.00	53.4	1.75	
1336	12.97	6.332	1.18	7.00	54.8	1.75	
1339	13.35	6.324	1.04	7.01	56.2	1.5	
1342	13.06	6.304	1.08	6.97	56.7	1.5	
1345	13.09	6.337	0.81	6.98	54.6	1.5	
1350	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 9-10-09
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1352
Sampling Technician: N. Willis **Air Temp:** 68°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7064.79
Well Diameter (in): 2 **Total Well Depth (ft):** 44.5
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.87 **Time:** 1358 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1403	12.95	7.493	0.75	7.06	63.4	0.25	
1406	12.82	7.635	1.57	7.06	64.3	1.5	
1409	12.57	7.638	0.89	7.06	63.8	1.5	
1412	12.61	7.712	0.93	7.05	63.0	1.5	
1415	13.13	7.844	0.83	7.07	62.1	1.5	
1418	12.78	7.785	1.22	7.09	60.5	1.5	
1423	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-6

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 13.90 **Time:** 1215 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 9-10-09
Arrival Time: 1207
Air Temp: 68°F
T.O.C. Elev. (ft): 7049.54
Total Well Depth (ft): 23.55

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1218	16.32	6.482	2.49	7.50	211.6	0.25	
1221	12.73	6.534	1.32	7.28	150.1	1.5	
1224	12.04	6.390	1.22	7.20	120.4	1.5	
1227	12.00	6.334	1.24	7.16	100.9	1.5	
1230	12.15	6.363	1.06	7.12	83.1	1	
1233	11.85	6.287	1.15	7.12	75.9	1	
1238	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-7

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____
Confirm D.T.W. (ft): 27.23 **Time:** 1246
Final D.T.W. (ft): _____ **Time:** _____
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 9-10-09
Arrival Time: 1243
Air Temp: 68°F
T.O.C. Elev. (ft): 7062.8
Total Well Depth (ft): 44.6
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1253	13.21	6.458	1.69	7.11	62.1	0.25	
1256	12.65	6.244	0.86	7.07	55.9	1.5	
1259	12.61	6.207	0.96	7.03	52.8	1.5	
1302	12.45	6.262	0.96	7.06	51.5	1.5	
1305	12.77	6.228	0.65	7.04	49.5	1.5	
1308	12.95	6.257	1.08	7.05	50.7	1.5	
1311	12.61	6.288	1.03	7.05	51.0	1	
1316							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-8

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

Site: Highway 537 Truck Station Spill 2009 **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico **Date:** 9-10-09
Project: Groundwater Monitoring and Sampling **Arrival Time:** 1537
Sampling Technician: N. Willis **Air Temp:** 65°F
Purge / No Purge: Purge **T.O.C. Elev. (ft):** 7063.27
Well Diameter (in): 2 **Total Well Depth (ft):** 44.1
Initial D.T.W. (ft): 28.16 **Time:** 1543 9/10 *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.14 **Time:** 1016 *(taken prior to purging well)*
Final D.T.W. (ft): **Time:** *(taken after sample collection)*
If NAPL Present: **D.T.P.:** **D.T.W.:** **Thickness:** **Time:**

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1018	13.52	6.482	2.15	8.66	-48.5	0.25	
1021	13.14	6.274	1.13	8.53	-62.2	1.75	
1024	13.30	6.199	0.90	8.65	-79.6	1.75	
1027	13.32	5.950	1.47	8.67	-89.1	1.5	
1030	12.95	6.082	1.12	8.42	-75.2	1.5	
1033	13.53	5.987	1.12	8.51	-93.2	1.5	
1038							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-9

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.19 **Time:** 1509 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.:_____ D.T.W.:_____ Thickness:_____ Time:_____

Project No.: AES 090201
Date: 9-10-09
Arrival Time: 1503
Air Temp: 70°F
T.O.C. Elev. (ft): 7062.6
Total Well Depth (ft): 39.15

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1514	13.17	7.371	0.61	7.05	-72.7	0.5	
1517	12.58	7.274	0.78	7.04	-114.6	1	
1520	12.55	7.231	0.61	7.02	-123.3	1	
1523	12.58	7.191	0.77	7.02	-126.9	1	
1526	12.48	7.181	0.80	7.03	-126.8	1	
1529	13.10	7.257	0.86	7.03	-129.8	1	
1534	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water:
Collected Samples Stored on Ice in Cooler:
Chain of Custody Record Complete:
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-10

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

Site: Highway 537 Truck Station Spill 2009
Location: Rio Arriba County, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 2
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 27.10 **Time:** 1024 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ D.T.W.: _____ **Thickness:** _____ **Time:** _____

Project No.: AES 090201
Date: 9-10-09
Arrival Time: 1010
Air Temp: 64°F
T.O.C. Elev. (ft): 7063.27
Total Well Depth (ft): 38.8

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1033	13.18	4.457	1.76	6.96	115.6	0.25	
1036	12.74	4.675	1.55	6.97	89.3	1	
1039	12.71	4.825	1.21	6.95	80.1	1	
1042	12.39	4.903	1.40	6.97	78.0	1	
1045	12.31	4.993	1.60	6.96	80.2	1	
1048	12.22	5.034	1.52	6.97	83.0	1	
1051	12.62	5.133	1.83	6.97	80.7	0.5	
1056	~	~	~	~	~	~	Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-11

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

Site: Highway 537 Truck Station Spill 2009 | **Project No.:** AES 090201
Location: Rio Arriba County, New Mexico | **Date:** 9-10-09
Project: Groundwater Monitoring and Sampling | **Arrival Time:** 1431
Sampling Technician: N. Willis | **Air Temp:** 73°F
Purge / No Purge: Purge | **T.O.C. Elev. (ft):** 7064.1
Well Diameter (in): 2 | **Total Well Depth (ft):** 42.6
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 28.88 **Time:** 1433 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1440	14.17	8,088	0.82	7.26	79.1	0.25	
1443	13.48	7.805	1.08	7.16	73.4	1.5	
1446	13.00	7.803	0.93	7.07	66.2	1.5	
1449	13.07	7.817	0.84	7.04	63.9	1.5	
1452	12.88	7.794	0.97	7.03	62.8	1	
1455	13.32	7.785	0.67	7.02	61.2	1	
1500							Samples Collected

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

BTEX per EPA Method 8021 (4 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
TPH C6-C36 per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: _____
Chain of Custody Record Complete: _____
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:

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, August 19, 2011

Debbie Watson
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Highway 537 '09 Spill

Order No.: 1108614

Dear Debbie Watson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 8/16/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1108614	**Collection Date:**	8/12/2011 3:44:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 6:04:55 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 6:04:55 PM
Surr: DNOP	126	81.1-147		%REC	1	8/16/2011 6:04:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.2	0.050		mg/L	1	8/17/2011 1:26:39 AM
Surr: BFB	118	65.4-141		%REC	1	8/17/2011 1:26:39 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	280	10		µg/L	10	8/16/2011 12:56:00 PM
Toluene	ND	1.0		µg/L	1	8/17/2011 1:26:39 AM
Ethylbenzene	18	1.0		µg/L	1	8/17/2011 1:26:39 AM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2011 1:26:39 AM
Surr: 4-Bromofluorobenzene	103	89.6-125		%REC	1	8/17/2011 1:26:39 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Trip Blank
Lab Order:	1108614	**Collection Date:**	
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-01	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/16/2011 11:58:18 AM
Surr: BFB	90.2	65.4-141		%REC	1	8/16/2011 11:58:18 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/16/2011 11:58:18 AM
Toluene	ND	1.0		µg/L	1	8/16/2011 11:58:18 AM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 11:58:18 AM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 11:58:18 AM
Surr: 4-Bromofluorobenzene	91.6	89.6-125		%REC	1	8/16/2011 11:58:18 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1108614	**Collection Date:**	8/12/2011 1:32:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 6:39:41 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 6:39:41 PM
Surr: DNOP	128	81.1-147		%REC	1	8/16/2011 6:39:41 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/16/2011 1:53:39 PM
Surr: BFB	92.8	65.4-141		%REC	1	8/16/2011 1:53:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/16/2011 1:53:39 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 1:53:39 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 1:53:39 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 1:53:39 PM
Surr: 4-Bromofluorobenzene	94.8	89.6-125		%REC	1	8/16/2011 1:53:39 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1108614	**Collection Date:**	8/12/2011 4:16:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 7:14:23 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 7:14:23 PM
Surr: DNOP	129	81.1-147		%REC	1	8/16/2011 7:14:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.38	0.050		mg/L	1	8/16/2011 3:49:24 PM
Surr: BFB	126	65.4-141		%REC	1	8/16/2011 3:49:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	51	1.0		µg/L	1	8/16/2011 3:49:24 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 3:49:24 PM
Ethylbenzene	4.2	1.0		µg/L	1	8/16/2011 3:49:24 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 3:49:24 PM
Surr: 4-Bromofluorobenzene	102	89.6-125		%REC	1	8/16/2011 3:49:24 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1108614	**Collection Date:**	8/12/2011 2:40:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 7:49:02 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 7:49:02 PM
Surr: DNOP	131	81.1-147		%REC	1	8/16/2011 7:49:02 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/16/2011 4:47:16 PM
Surr: BFB	94.5	65.4-141		%REC	1	8/16/2011 4:47:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/16/2011 4:47:16 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 4:47:16 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 4:47:16 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 4:47:16 PM
Surr: 4-Bromofluorobenzene	95.9	89.6-125		%REC	1	8/16/2011 4:47:16 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1108614	**Collection Date:**	8/12/2011 12:41:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 8:58:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 8:58:20 PM
Surr: DNOP	132	81.1-147		%REC	1	8/16/2011 8:58:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/16/2011 6:13:52 PM
Surr: BFB	95.5	65.4-141		%REC	1	8/16/2011 6:13:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/16/2011 6:13:52 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 6:13:52 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 6:13:52 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 6:13:52 PM
Surr: 4-Bromofluorobenzene	99.1	89.6-125		%REC	1	8/16/2011 6:13:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1108614	**Collection Date:**	8/12/2011 4:56:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 9:32:44 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 9:32:44 PM
Surr: DNOP	128	81.1-147		%REC	1	8/16/2011 9:32:44 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/16/2011 6:42:40 PM
Surr: BFB	95.2	65.4-141		%REC	1	8/16/2011 6:42:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/16/2011 6:42:40 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 6:42:40 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 6:42:40 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 6:42:40 PM
Surr: 4-Bromofluorobenzene	99.0	89.6-125		%REC	1	8/16/2011 6:42:40 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-7
Lab Order:	1108614	**Collection Date:**	8/12/2011 11:08:00 AM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 10:07:05 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 10:07:05 PM
Surr: DNOP	131	81.1-147		%REC	1	8/16/2011 10:07:05 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/16/2011 7:11:35 PM
Surr: BFB	96.5	65.4-141		%REC	1	8/16/2011 7:11:35 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/16/2011 7:11:35 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 7:11:35 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 7:11:35 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 7:11:35 PM
Surr: 4-Bromofluorobenzene	98.6	89.6-125		%REC	1	8/16/2011 7:11:35 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-8
Lab Order:	1108614	**Collection Date:**	8/12/2011 3:12:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 10:41:30 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 10:41:30 PM
Surr: DNOP	120	81.1-147		%REC	1	8/16/2011 10:41:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.070	0.050		mg/L	1	8/16/2011 10:04:51 PM
Surr: BFB	100	65.4-141		%REC	1	8/16/2011 10:04:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	2.3	1.0		µg/L	1	8/16/2011 10:04:51 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 10:04:51 PM
Ethylbenzene	ND	1.0		µg/L	1	8/16/2011 10:04:51 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 10:04:51 PM
Surr: 4-Bromofluorobenzene	98.5	89.6-125		%REC	1	8/16/2011 10:04:51 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-9
Lab Order:	1108614	**Collection Date:**	8/12/2011 5:23:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 11:15:53 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 11:15:53 PM
Surr: DNOP	128	81.1-147		%REC	1	8/16/2011 11:15:53 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.35	0.050		mg/L	1	8/16/2011 11:31:21 PM
Surr: BFB	111	65.4-141		%REC	1	8/16/2011 11:31:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	120	10		µg/L	10	8/16/2011 11:02:28 PM
Toluene	ND	1.0		µg/L	1	8/16/2011 11:31:21 PM
Ethylbenzene	5.6	1.0		µg/L	1	8/16/2011 11:31:21 PM
Xylenes, Total	ND	2.0		µg/L	1	8/16/2011 11:31:21 PM
Surr: 4-Bromofluorobenzene	101	89.6-125		%REC	1	8/16/2011 11:31:21 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-10
Lab Order:	1108614	**Collection Date:**	8/12/2011 2:07:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/16/2011 11:50:18 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/16/2011 11:50:18 PM
Surr: DNOP	126	81.1-147		%REC	1	8/16/2011 11:50:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/17/2011 12:21:19 PM
Surr: BFB	90.8	65.4-141		%REC	1	8/17/2011 12:21:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/17/2011 12:21:19 PM
Toluene	ND	1.0		µg/L	1	8/17/2011 12:21:19 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2011 12:21:19 PM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2011 12:21:19 PM
Surr: 4-Bromofluorobenzene	91.6	89.6-125		%REC	1	8/17/2011 12:21:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Aug-11*
Analytical Report

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-11
Lab Order:	1108614	**Collection Date:**	8/12/2011 12:04:00 PM
Project:	BMG Highway 537 '09 Spill	**Date Received:**	8/16/2011
Lab ID:	1108614-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/17/2011 12:24:44 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/17/2011 12:24:44 AM
Surr: DNOP	126	81.1-147		%REC	1	8/17/2011 12:24:44 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/17/2011 12:50:14 PM
Surr: BFB	91.5	65.4-141		%REC	1	8/17/2011 12:50:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/17/2011 12:50:14 PM
Toluene	ND	1.0		µg/L	1	8/17/2011 12:50:14 PM
Ethylbenzene	ND	1.0		µg/L	1	8/17/2011 12:50:14 PM
Xylenes, Total	ND	2.0		µg/L	1	8/17/2011 12:50:14 PM
Surr: 4-Bromofluorobenzene	92.6	89.6-125		%REC	1	8/17/2011 12:50:14 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 '09 Spill **Work Order:** 1108614

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-28054		*MBLK*				Batch ID:	**28054**	Analysis Date:		8/16/2011 3:10:08 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-28054		*LCS*				Batch ID:	**28054**	Analysis Date:		8/16/2011 3:44:46 PM	
Diesel Range Organics (DRO)	4.159	mg/L	1.0	5	0	83.2	74	157			
Sample ID: LCSD-28054		*LCSD*				Batch ID:	**28054**	Analysis Date:		8/16/2011 4:19:40 PM	
Diesel Range Organics (DRO)	4.547	mg/L	1.0	5	0	90.9	74	157	8.92	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1108614-05A MSD		*MSD*				Batch ID:	**R47197**	Analysis Date:		8/16/2011 5:45:01 PM	
Gasoline Range Organics (GRO)	0.5146	mg/L	0.050	0.5	0	103	66.1	127	4.33	15.5	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R47197**	Analysis Date:		8/16/2011 9:33:45 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R47228**	Analysis Date:		8/17/2011 9:56:44 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R47197**	Analysis Date:		8/17/2011 2:24:10 AM	
Gasoline Range Organics (GRO)	0.5134	mg/L	0.050	0.5	0	103	92.1	117			
Sample ID: 1108614-05A MS		*MS*				Batch ID:	**R47197**	Analysis Date:		8/16/2011 5:16:07 PM	
Gasoline Range Organics (GRO)	0.5374	mg/L	0.050	0.5	0	107	66.1	127			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 '09 Spill **Work Order:** 1108614

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1108614-03A MSD		*MSD*				Batch ID:	**R47197**	Analysis Date:		8/16/2011 2:51:34 PM	
Benzene	19.78	µg/L	1.0	20	0	98.9	76.6	119	2.47	16.4	
Toluene	20.40	µg/L	1.0	20	0	102	77.3	118	0.487	13.9	
Ethylbenzene	20.10	µg/L	1.0	20	0	101	76.6	114	2.49	13.5	
Xylenes, Total	61.54	µg/L	2.0	60	0	103	82	113	1.22	12.9	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R47197**	Analysis Date:		8/16/2011 9:33:45 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R47228**	Analysis Date:		8/17/2011 9:56:44 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R47197**	Analysis Date:		8/17/2011 2:52:52 AM	
Benzene	20.31	µg/L	1.0	20	0	102	80	120			
Toluene	20.84	µg/L	1.0	20	0	104	80	120			
Ethylbenzene	20.78	µg/L	1.0	20	0	104	80	120			
Xylenes, Total	61.84	µg/L	2.0	60	0	103	80	120			
Sample ID: 1108614-03A MS		*MS*				Batch ID:	**R47197**	Analysis Date:		8/16/2011 2:22:38 PM	
Benzene	20.28	µg/L	1.0	20	0	101	76.6	119			
Toluene	20.50	µg/L	1.0	20	0	102	77.3	118			
Ethylbenzene	20.61	µg/L	1.0	20	0	103	76.6	114			
Xylenes, Total	62.30	µg/L	2.0	60	0	104	82	113			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL Date Received: 8/16/2011

Work Order Number 1108614 Received by: AT

Checklist completed by: _____ 08/16/11 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**3.8°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: ANIMAS ENVIRONMENTAL SERVICES, LLC.

Mailing Address: 624 E. COMANCHE FARMINGTON, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: BMG HWY 537 '09 SPILL ~~AES 090201~~

Project #: AES 090201

Project Manager: D. WATSON

Sampler: N. WILLIS

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.8

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1108661	BTEX + ~~MTBE~~ + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel) (C6-C36)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
		H_2O	TRIP BLANK	GLASS 2-40 mL	HCl	-1	X															
8-12-11	1544		MW-1	GLASS 6-40 mL	5-HCl 1-NON	-2	X		X													
	1332		MW-2			-3	X		X													
	1616		MW-3			-4	X		X													
	1440		MW-4			-5	X		X													
	1241		MW-5			-6	X		X													
	1656		MW-6			-7	X		X													
	1108		MW-7			-8	X		X													
	1512		MW-8			-9	X		X													
	1723		MW-9			-10	X		X													
	1407		MW-10			-11	X		X													
	1204	H_2O	MW-11			-12	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
8/15/11	1550		Chrystin Waters	8/15/11	1550
8/15/11	1621	Chrystin Walters		08/16/11	0900

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, May 24, 2011

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Highway 537 2009 Spill

Order No.: 1105671

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 5/17/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-10
Lab Order:	1105671	**Collection Date:**	5/12/2011 12:46:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/17/2011 7:03:12 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 7:03:12 PM
Surr: DNOP	123	97.7-132		%REC	1	5/17/2011 7:03:12 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/17/2011 1:52:59 PM
Surr: BFB	103	79.4-132		%REC	1	5/17/2011 1:52:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/17/2011 1:52:59 PM
Toluene	ND	1.0		µg/L	1	5/17/2011 1:52:59 PM
Ethylbenzene	ND	1.0		µg/L	1	5/17/2011 1:52:59 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 1:52:59 PM
Surr: 4-Bromofluorobenzene	103	96.8-145		%REC	1	5/17/2011 1:52:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1105671	**Collection Date:**	5/12/2011 1:17:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	4.8	1.0		mg/L	1	5/17/2011 7:37:22 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 7:37:22 PM
Surr: DNOP	125	97.7-132		%REC	1	5/17/2011 7:37:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	3.0	0.25		mg/L	5	5/17/2011 2:21:57 PM
Surr: BFB	135	79.4-132	S	%REC	5	5/17/2011 2:21:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	980	20		µg/L	20	5/19/2011 10:40:41 AM
Toluene	ND	1.0		µg/L	1	5/17/2011 2:50:50 PM
Ethylbenzene	42	1.0		µg/L	1	5/17/2011 2:50:50 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 2:50:50 PM
Surr: 4-Bromofluorobenzene	132	96.8-145		%REC	1	5/17/2011 2:50:50 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-7
Lab Order:	1105671	**Collection Date:**	5/12/2011 1:50:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/17/2011 8:11:28 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 8:11:28 PM
Surr: DNOP	126	97.7-132		%REC	1	5/17/2011 8:11:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/17/2011 3:48:37 PM
Surr: BFB	103	79.4-132		%REC	1	5/17/2011 3:48:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/17/2011 3:48:37 PM
Toluene	ND	1.0		µg/L	1	5/17/2011 3:48:37 PM
Ethylbenzene	ND	1.0		µg/L	1	5/17/2011 3:48:37 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 3:48:37 PM
Surr: 4-Bromofluorobenzene	102	96.8-145		%REC	1	5/17/2011 3:48:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1105671	**Collection Date:**	5/12/2011 2:17:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/17/2011 9:19:46 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 9:19:46 PM
Surr: DNOP	127	97.7-132		%REC	1	5/17/2011 9:19:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/17/2011 4:17:27 PM
Surr: BFB	103	79.4-132		%REC	1	5/17/2011 4:17:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/17/2011 4:17:27 PM
Toluene	ND	1.0		µg/L	1	5/17/2011 4:17:27 PM
Ethylbenzene	ND	1.0		µg/L	1	5/17/2011 4:17:27 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 4:17:27 PM
Surr: 4-Bromofluorobenzene	103	96.8-145		%REC	1	5/17/2011 4:17:27 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1105671	**Collection Date:**	5/12/2011 2:41:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/17/2011 9:53:52 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 9:53:52 PM
Surr: DNOP	124	97.7-132		%REC	1	5/17/2011 9:53:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	19	0.50		mg/L	10	5/17/2011 9:35:19 PM
Surr: BFB	134	79.4-132	S	%REC	10	5/17/2011 9:35:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	7800	100		µg/L	100	5/17/2011 9:06:28 PM
Toluene	42	10		µg/L	10	5/17/2011 9:35:19 PM
Ethylbenzene	270	10		µg/L	10	5/17/2011 9:35:19 PM
Xylenes, Total	33	20		µg/L	10	5/17/2011 9:35:19 PM
Surr: 4-Bromofluorobenzene	111	96.8-145		%REC	10	5/17/2011 9:35:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1105671	**Collection Date:**	5/12/2011 3:05:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/17/2011 11:02:18 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 11:02:18 PM
Surr: DNOP	126	97.7-132		%REC	1	5/17/2011 11:02:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/17/2011 4:46:18 PM
Surr: BFB	104	79.4-132		%REC	1	5/17/2011 4:46:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/17/2011 4:46:18 PM
Toluene	ND	1.0		µg/L	1	5/17/2011 4:46:18 PM
Ethylbenzene	ND	1.0		µg/L	1	5/17/2011 4:46:18 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 4:46:18 PM
Surr: 4-Bromofluorobenzene	103	96.8-145		%REC	1	5/17/2011 4:46:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-8
Lab Order:	1105671	**Collection Date:**	5/12/2011 3:27:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/17/2011 11:36:26 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/17/2011 11:36:26 PM
Surr: DNOP	124	97.7-132		%REC	1	5/17/2011 11:36:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.4	0.050		mg/L	1	5/17/2011 11:01:54 PM
Surr: BFB	152	79.4-132	S	%REC	1	5/17/2011 11:01:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	430	5.0		µg/L	5	5/17/2011 10:33:01 PM
Toluene	ND	1.0		µg/L	1	5/17/2011 11:01:54 PM
Ethylbenzene	25	1.0		µg/L	1	5/17/2011 11:01:54 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 11:01:54 PM
Surr: 4-Bromofluorobenzene	116	96.8-145		%REC	1	5/17/2011 11:01:54 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1105671	**Collection Date:**	5/12/2011 3:50:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/18/2011 12:10:36 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/18/2011 12:10:36 AM
Surr: DNOP	122	97.7-132		%REC	1	5/18/2011 12:10:36 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/17/2011 11:59:41 PM
Surr: BFB	103	79.4-132		%REC	1	5/17/2011 11:59:41 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/17/2011 11:59:41 PM
Toluene	ND	1.0		µg/L	1	5/17/2011 11:59:41 PM
Ethylbenzene	ND	1.0		µg/L	1	5/17/2011 11:59:41 PM
Xylenes, Total	ND	2.0		µg/L	1	5/17/2011 11:59:41 PM
Surr: 4-Bromofluorobenzene	102	96.8-145		%REC	1	5/17/2011 11:59:41 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-11
Lab Order:	1105671	**Collection Date:**	5/12/2011 4:14:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/18/2011 12:44:43 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/18/2011 12:44:43 AM
Surr: DNOP	124	97.7-132		%REC	1	5/18/2011 12:44:43 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/18/2011 12:28:32 AM
Surr: BFB	102	79.4-132		%REC	1	5/18/2011 12:28:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/18/2011 12:28:32 AM
Toluene	ND	1.0		µg/L	1	5/18/2011 12:28:32 AM
Ethylbenzene	ND	1.0		µg/L	1	5/18/2011 12:28:32 AM
Xylenes, Total	ND	2.0		µg/L	1	5/18/2011 12:28:32 AM
Surr: 4-Bromofluorobenzene	103	96.8-145		%REC	1	5/18/2011 12:28:32 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-9
Lab Order:	1105671	**Collection Date:**	5/12/2011 4:43:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/18/2011 1:18:52 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/18/2011 1:18:52 AM
Surr: DNOP	121	97.7-132		%REC	1	5/18/2011 1:18:52 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.92	0.050		mg/L	1	5/18/2011 1:26:10 AM
Surr: BFB	143	79.4-132	S	%REC	1	5/18/2011 1:26:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	390	5.0		µg/L	5	5/18/2011 12:57:19 AM
Toluene	ND	1.0		µg/L	1	5/18/2011 1:26:10 AM
Ethylbenzene	11	1.0		µg/L	1	5/18/2011 1:26:10 AM
Xylenes, Total	ND	2.0		µg/L	1	5/18/2011 1:26:10 AM
Surr: 4-Bromofluorobenzene	116	96.8-145		%REC	1	5/18/2011 1:26:10 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1105671	**Collection Date:**	5/12/2011 5:07:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	5/18/2011 1:53:01 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	5/18/2011 1:53:01 AM
Surr: DNOP	122	97.7-132		%REC	1	5/18/2011 1:53:01 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	5/18/2011 2:23:53 AM
Surr: BFB	102	79.4-132		%REC	1	5/18/2011 2:23:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/18/2011 2:23:53 AM
Toluene	ND	1.0		µg/L	1	5/18/2011 2:23:53 AM
Ethylbenzene	ND	1.0		µg/L	1	5/18/2011 2:23:53 AM
Xylenes, Total	ND	2.0		µg/L	1	5/18/2011 2:23:53 AM
Surr: 4-Bromofluorobenzene	102	96.8-145		%REC	1	5/18/2011 2:23:53 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-May-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TRIP BLANK
Lab Order:	1105671	**Collection Date:**	
Project:	BMG Highway 537 2009 Spill	**Date Received:**	5/17/2011
Lab ID:	1105671-12	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	5/18/2011 2:52:46 AM
Toluene	ND	1.0		µg/L	1	5/18/2011 2:52:46 AM
Ethylbenzene	ND	1.0		µg/L	1	5/18/2011 2:52:46 AM
Xylenes, Total	ND	2.0		µg/L	1	5/18/2011 2:52:46 AM
Surr: 4-Bromofluorobenzene	102	96.8-145		%REC	1	5/18/2011 2:52:46 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 2009 Spill **Work Order:** 1105671

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-26848		*MBLK*				Batch ID:	**26848**	Analysis Date:		5/17/2011 3:03:39 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-26848		*LCS*				Batch ID:	**26848**	Analysis Date:		5/17/2011 3:37:49 PM	
Diesel Range Organics (DRO)	5.504	mg/L	1.0	5	0	110	74	157			
Sample ID: LCSD-26848		*LCSD*				Batch ID:	**26848**	Analysis Date:		5/17/2011 4:12:19 PM	
Diesel Range Organics (DRO)	5.882	mg/L	1.0	5	0	118	74	157	6.64	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R45410**	Analysis Date:		5/17/2011 7:47:45 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R45480**	Analysis Date:		5/19/2011 7:57:20 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R45410**	Analysis Date:		5/17/2011 9:45:40 AM	
Gasoline Range Organics (GRO)	0.5612	mg/L	0.050	0.5	0	112	81.8	120			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R45480**	Analysis Date:		5/19/2011 1:05:06 PM	
Gasoline Range Organics (GRO)	0.5348	mg/L	0.050	0.5	0	107	81.8	120			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R45480**	Analysis Date:		5/19/2011 1:33:57 PM	
Gasoline Range Organics (GRO)	0.4960	mg/L	0.050	0.5	0	99.2	81.8	120	7.53	17.1	
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R45410**	Analysis Date:		5/17/2011 7:47:45 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R45480**	Analysis Date:		5/19/2011 7:57:20 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R45410**	Analysis Date:		5/17/2011 10:14:35 AM	
Benzene	20.60	µg/L	1.0	20	0	103	93.4	120			
Toluene	20.46	µg/L	1.0	20	0	102	96.2	122			
Ethylbenzene	20.50	µg/L	1.0	20	0	103	95	121			
Xylenes, Total	61.04	µg/L	2.0	60	0	102	97.6	122			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R45480**	Analysis Date:		5/19/2011 2:02:59 PM	
Benzene	20.29	µg/L	1.0	20	0	101	93.4	120			
Toluene	20.79	µg/L	1.0	20	0	104	96.2	122			
Ethylbenzene	20.77	µg/L	1.0	20	0	104	95	121			
Xylenes, Total	62.32	µg/L	2.0	60	0	104	97.6	122			

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL | Date Received: 5/17/2011

Work Order Number 1105671 | Received by: MMG

Checklist completed by: [signature] Signature | Date 5/17/11 | Sample ID labels checked by: Initials dam

Matrix: | Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ✔	No	Not Present	
Custody seals intact on shipping container/cooler?	Yes ✔	No	Not Present	Not Shipped
Custody seals intact on sample bottles?	Yes	No	N/A ✔	
Chain of custody present?	Yes ✔	No		
Chain of custody signed when relinquished and received?	Yes ✔	No		
Chain of custody agrees with sample labels?	Yes ✔	No		
Samples in proper container/bottle?	Yes ✔	No		
Sample containers intact?	Yes ✔	No		
Sufficient sample volume for indicated test?	Yes ✔	No		
All samples received within holding time?	Yes ✔	No		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted	Yes ✔	No	
Water - Preservation labels on bottle and cap match?	Yes	No	N/A ✔	
Water - pH acceptable upon receipt?	Yes	No	N/A ✔	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**2.9°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted | Date contacted: | Person contacted

Contacted by: | Regarding:

Comments: 1105671-09- one of the HCl voas was accidentally dropped and broke. KMS 5/17/11

Corrective Action

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E Comanche
Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
BMG HWY 537 2009 Spill

Project #:
AES 090201

Project Manager:
Ross Kennemer

Sampler: N. Willis

On Ice: ☐ No ☒ Yes

Sample Temperature: 2.9

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1105677	BTEX + [redacted] (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel) (Gas=8260)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
5-12-11	1246	H2O	MW-10	Glass 6-40mL	5-HCl 1-NON	1	X		X													
	1317		MW-3			2	X		X													
	1350		MW-7			3	X		X													
	1419		MW-2			4	X		X													
	1441		MW-1			5	X		X													
	1505		MW-4			6	X		X													
	1527		MW-8			7	X		X													
	1550		MW-5			8	X		X													
	1614		MW-11			9	X		X													
	1643		MW-9			10	X		X													
	1707		MW-6			11	X		X													
			TRIP BLANK	Glass 2-40mL	2-HCl	12	X															

Date:	Time:	Relinquished by:	Received by:	Date	Time
5-12-11	1921	[signature]	[signature]	5-12-11	1921
5-16-11	1630	[signature]	[signature]	5/17/11	9:53

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, February 07, 2011

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Highway 537 2009 Spill

Order No.: 1101797

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 1/25/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Trip Blank
Lab Order:	1101797	**Collection Date:**	
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-01	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/1/2011 4:12:39 PM
Surr: BFB	87.6	79.4-132		%REC	1	2/1/2011 4:12:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/1/2011 4:12:39 PM
Toluene	ND	1.0		µg/L	1	2/1/2011 4:12:39 PM
Ethylbenzene	ND	1.0		µg/L	1	2/1/2011 4:12:39 PM
Xylenes, Total	ND	2.0		µg/L	1	2/1/2011 4:12:39 PM
Surr: 4-Bromofluorobenzene	99.7	81.3-151		%REC	1	2/1/2011 4:12:39 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1101797	**Collection Date:**	1/21/2011 2:39:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 6:37:06 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 6:37:06 AM
Surr: DNOP	130	86.9-151		%REC	1	1/29/2011 6:37:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	10	0.50		mg/L	10	2/1/2011 4:41:28 PM
Surr: BFB	95.8	79.4-132		%REC	10	2/1/2011 4:41:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	3600	100		µg/L	100	2/2/2011 1:08:37 PM
Toluene	ND	10		µg/L	10	2/1/2011 4:41:28 PM
Ethylbenzene	140	10		µg/L	10	2/1/2011 4:41:28 PM
Xylenes, Total	160	20		µg/L	10	2/1/2011 4:41:28 PM
Surr: 4-Bromofluorobenzene	96.7	81.3-151		%REC	10	2/1/2011 4:41:28 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1101797	**Collection Date:**	1/21/2011 12:42:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 7:10:27 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 7:10:27 AM
Surr: DNOP	131	86.9-151		%REC	1	1/29/2011 7:10:27 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/1/2011 9:58:50 PM
Surr: BFB	88.5	79.4-132		%REC	1	2/1/2011 9:58:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/1/2011 9:58:50 PM
Toluene	ND	1.0		µg/L	1	2/1/2011 9:58:50 PM
Ethylbenzene	ND	1.0		µg/L	1	2/1/2011 9:58:50 PM
Xylenes, Total	ND	2.0		µg/L	1	2/1/2011 9:58:50 PM
Surr: 4-Bromofluorobenzene	102	81.3-151		%REC	1	2/1/2011 9:58:50 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1101797	**Collection Date:**	1/21/2011 3:08:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.5	1.0		mg/L	1	1/29/2011 7:43:49 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 7:43:49 AM
Surr: DNOP	134	86.9-151		%REC	1	1/29/2011 7:43:49 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.7	0.050		mg/L	1	2/2/2011 1:37:23 PM
Surr: BFB	166	79.4-132	S	%REC	1	2/2/2011 1:37:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	280	10		µg/L	10	2/1/2011 10:27:37 PM
Toluene	ND	1.0		µg/L	1	2/2/2011 1:37:23 PM
Ethylbenzene	24	1.0		µg/L	1	2/2/2011 1:37:23 PM
Xylenes, Total	9.1	2.0		µg/L	1	2/2/2011 1:37:23 PM
Surr: 4-Bromofluorobenzene	104	81.3-151		%REC	10	2/1/2011 10:27:37 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1101797	**Collection Date:**	1/21/2011 12:14:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 8:17:10 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 8:17:10 AM
Surr: DNOP	129	86.9-151		%REC	1	1/29/2011 8:17:10 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/1/2011 11:25:23 PM
Surr: BFB	89.0	79.4-132		%REC	1	2/1/2011 11:25:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	3.6	1.0		µg/L	1	2/1/2011 11:25:23 PM
Toluene	ND	1.0		µg/L	1	2/1/2011 11:25:23 PM
Ethylbenzene	ND	1.0		µg/L	1	2/1/2011 11:25:23 PM
Xylenes, Total	ND	2.0		µg/L	1	2/1/2011 11:25:23 PM
Surr: 4-Bromofluorobenzene	102	81.3-151		%REC	1	2/1/2011 11:25:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1101797	**Collection Date:**	1/21/2011 11:47:00 AM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 8:50:31 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 8:50:31 AM
Surr: DNOP	132	86.9-151		%REC	1	1/29/2011 8:50:31 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/1/2011 11:54:15 PM
Surr: BFB	88.3	79.4-132		%REC	1	2/1/2011 11:54:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/1/2011 11:54:15 PM
Toluene	ND	1.0		µg/L	1	2/1/2011 11:54:15 PM
Ethylbenzene	ND	1.0		µg/L	1	2/1/2011 11:54:15 PM
Xylenes, Total	ND	2.0		µg/L	1	2/1/2011 11:54:15 PM
Surr: 4-Bromofluorobenzene	101	81.3-151		%REC	1	2/1/2011 11:54:15 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1101797	**Collection Date:**	1/21/2011 3:43:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 9:23:52 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 9:23:52 AM
Surr: DNOP	131	86.9-151		%REC	1	1/29/2011 9:23:52 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/2/2011 12:23:02 AM
Surr: BFB	89.2	79.4-132		%REC	1	2/2/2011 12:23:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/2/2011 12:23:02 AM
Toluene	ND	1.0		µg/L	1	2/2/2011 12:23:02 AM
Ethylbenzene	ND	1.0		µg/L	1	2/2/2011 12:23:02 AM
Xylenes, Total	ND	2.0		µg/L	1	2/2/2011 12:23:02 AM
Surr: 4-Bromofluorobenzene	103	81.3-151		%REC	1	2/2/2011 12:23:02 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-7
Lab Order:	1101797	**Collection Date:**	1/21/2011 1:44:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 9:57:14 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 9:57:14 AM
Surr: DNOP	135	86.9-151		%REC	1	1/29/2011 9:57:14 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/2/2011 12:51:53 AM
Surr: BFB	88.5	79.4-132		%REC	1	2/2/2011 12:51:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/2/2011 12:51:53 AM
Toluene	ND	1.0		µg/L	1	2/2/2011 12:51:53 AM
Ethylbenzene	ND	1.0		µg/L	1	2/2/2011 12:51:53 AM
Xylenes, Total	ND	2.0		µg/L	1	2/2/2011 12:51:53 AM
Surr: 4-Bromofluorobenzene	100	81.3-151		%REC	1	2/2/2011 12:51:53 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-8
Lab Order:	1101797	**Collection Date:**	1/21/2011 2:11:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 10:30:35 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 10:30:35 AM
Surr: DNOP	132	86.9-151		%REC	1	1/29/2011 10:30:35 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.58	0.050		mg/L	1	2/2/2011 1:20:41 AM
Surr: BFB	107	79.4-132		%REC	1	2/2/2011 1:20:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	370	10		µg/L	10	2/2/2011 2:35:03 PM
Toluene	ND	1.0		µg/L	1	2/2/2011 1:20:41 AM
Ethylbenzene	4.6	1.0		µg/L	1	2/2/2011 1:20:41 AM
Xylenes, Total	ND	2.0		µg/L	1	2/2/2011 1:20:41 AM
Surr: 4-Bromofluorobenzene	107	81.3-151		%REC	1	2/2/2011 1:20:41 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-9
Lab Order:	1101797	**Collection Date:**	1/21/2011 4:10:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 11:04:11 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 11:04:11 AM
Surr: DNOP	126	86.9-151		%REC	1	1/29/2011 11:04:11 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.41	0.050		mg/L	1	2/2/2011 1:49:26 AM
Surr: BFB	109	79.4-132		%REC	1	2/2/2011 1:49:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	390	10		µg/L	10	2/2/2011 3:03:53 PM
Toluene	ND	1.0		µg/L	1	2/2/2011 1:49:26 AM
Ethylbenzene	5.1	1.0		µg/L	1	2/2/2011 1:49:26 AM
Xylenes, Total	ND	2.0		µg/L	1	2/2/2011 1:49:26 AM
Surr: 4-Bromofluorobenzene	108	81.3-151		%REC	1	2/2/2011 1:49:26 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-10
Lab Order:	1101797	**Collection Date:**	1/21/2011 1:13:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 11:37:47 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 11:37:47 AM
Surr: DNOP	134	86.9-151		%REC	1	1/29/2011 11:37:47 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/2/2011 2:18:10 AM
Surr: BFB	89.3	79.4-132		%REC	1	2/2/2011 2:18:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/2/2011 2:18:10 AM
Toluene	ND	1.0		µg/L	1	2/2/2011 2:18:10 AM
Ethylbenzene	ND	1.0		µg/L	1	2/2/2011 2:18:10 AM
Xylenes, Total	ND	2.0		µg/L	1	2/2/2011 2:18:10 AM
Surr: 4-Bromofluorobenzene	102	81.3-151		%REC	1	2/2/2011 2:18:10 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Feb-11*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-11
Lab Order:	1101797	**Collection Date:**	1/21/2011 11:17:00 AM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	1/25/2011
Lab ID:	1101797-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/29/2011 12:11:22 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/29/2011 12:11:22 PM
Surr: DNOP	120	86.9-151		%REC	1	1/29/2011 12:11:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	2/2/2011 2:47:02 AM
Surr: BFB	88.8	79.4-132		%REC	1	2/2/2011 2:47:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	2/2/2011 2:47:02 AM
Toluene	ND	1.0		µg/L	1	2/2/2011 2:47:02 AM
Ethylbenzene	ND	1.0		µg/L	1	2/2/2011 2:47:02 AM
Xylenes, Total	ND	2.0		µg/L	1	2/2/2011 2:47:02 AM
Surr: 4-Bromofluorobenzene	102	81.3-151		%REC	1	2/2/2011 2:47:02 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 2009 Spill **Work Order:** 1101797

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-25423		*MBLK*				Batch ID:	**25423**	Analysis Date:		1/29/2011 1:03:31 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-25423		*LCS*				Batch ID:	**25423**	Analysis Date:		1/29/2011 1:36:52 AM	
Diesel Range Organics (DRO)	6.594	mg/L	1.0	5	0	132	74	157			
Sample ID: LCSD-25423		*LCSD*				Batch ID:	**25423**	Analysis Date:		1/29/2011 2:10:12 AM	
Diesel Range Organics (DRO)	5.747	mg/L	1.0	5	0	115	74	157	13.7	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R43460**	Analysis Date:		2/1/2011 8:59:34 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R43485**	Analysis Date:		2/2/2011 9:44:26 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43460**	Analysis Date:		2/1/2011 11:53:01 AM	
Gasoline Range Organics (GRO)	0.5616	mg/L	0.050	0.5	0	112	83.7	124			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R43485**	Analysis Date:		2/2/2011 8:49:51 PM	
Gasoline Range Organics (GRO)	0.5670	mg/L	0.050	0.5	0	113	83.7	124			
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R43460**	Analysis Date:		2/1/2011 8:59:34 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R43485**	Analysis Date:		2/2/2011 9:44:26 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R43460**	Analysis Date:		2/1/2011 12:21:49 PM	
Benzene	20.01	µg/L	1.0	20	0	100	84.7	118			
Toluene	20.50	µg/L	1.0	20	0	102	82	123			
Ethylbenzene	20.35	µg/L	1.0	20	0	102	83	118			
Xylenes, Total	62.40	µg/L	2.0	60	0	104	85.4	119			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R43485**	Analysis Date:		2/2/2011 9:18:39 PM	
Benzene	18.84	µg/L	1.0	20	0	94.2	84.7	118			
Toluene	20.78	µg/L	1.0	20	0	104	82	123			
Ethylbenzene	20.88	µg/L	1.0	20	0	104	83	118			
Xylenes, Total	62.74	µg/L	2.0	60	0	105	85.4	119			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL Date Received: 1/25/2011

Work Order Number 1101797 Received by: AT

Sample ID labels checked by: _____ Initials

Checklist completed by: _____ 01/25/11
Signature Date

Matrix: Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☐	No ☑		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	_____ <2 >12 unless noted below.
Container/Temp Blank temperature?	1.3°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E Comanche
Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
BMG HWY 537 2009 Spill

Project #:
AES 090201

Project Manager:
Ross Kennemer

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.3

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1104797	BTEX + [redacted] (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel) (C6 - C36)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
		H_2O	Trip Blanks	2-40 mL Glass	HCl	-1	X															
1-21-11	1439		MW-1	Glass 6-40 mL	1-NON 5-HCl	-2	X		X													
	1242		MW-2			-3	X		X													
	1509		MW-3			-4	X		X													
	1214		MW-4			-5	X		X													
	1147		MW-5			-6	X		X													
	1543		MW-6			-7	X		X													
	1344		MW-7			-8	X		X													
	1411		MW-8			-9	X		X													
	1610		MW-9			-10	X		X													
	1313		MW-10			-11	X		X													
	1117		MW-11			-12	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
1-21-11	1815			1-21-11	1815
Date:	Time:	Relinquished by:	Received by:	Date	Time
1-24-11	1630			01/25/11	0957

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, October 25, 2010

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Highway 537 2009 Spill

Order No.: 1010801

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 10/19/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TRIP BLANK
Lab Order:	1010801	**Collection Date:**	
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-01	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/23/2010 7:52:11 PM
Toluene	ND	1.0		µg/L	1	10/23/2010 7:52:11 PM
Ethylbenzene	ND	1.0		µg/L	1	10/23/2010 7:52:11 PM
Xylenes, Total	ND	2.0		µg/L	1	10/23/2010 7:52:11 PM
Surr: 4-Bromofluorobenzene	106	81.3-151		%REC	1	10/23/2010 7:52:11 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1010801	**Collection Date:**	10/15/2010 1:13:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 4:06:01 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 4:06:01 PM
Surr: DNOP	123	86.9-151		%REC	1	10/20/2010 4:06:01 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	4.1	0.25		mg/L	5	10/23/2010 8:53:17 PM
Surr: BFB	97.0	84.5-118		%REC	5	10/23/2010 8:53:17 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	960	20		µg/L	20	10/23/2010 8:22:45 PM
Toluene	53	5.0		µg/L	5	10/23/2010 8:53:17 PM
Ethylbenzene	37	5.0		µg/L	5	10/23/2010 8:53:17 PM
Xylenes, Total	94	10		µg/L	5	10/23/2010 8:53:17 PM
Surr: 4-Bromofluorobenzene	111	81.3-151		%REC	5	10/23/2010 8:53:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1010801	**Collection Date:**	10/14/2010 2:55:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 4:40:09 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 4:40:09 PM
Surr: DNOP	122	86.9-151		%REC	1	10/20/2010 4:40:09 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 2:59:01 AM
Surr: BFB	86.7	84.5-118		%REC	1	10/24/2010 2:59:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/24/2010 2:59:01 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 2:59:01 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 2:59:01 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 2:59:01 AM
Surr: 4-Bromofluorobenzene	90.2	81.3-151		%REC	1	10/24/2010 2:59:01 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1010801	**Collection Date:**	10/14/2010 4:08:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.9	1.0		mg/L	1	10/20/2010 5:14:16 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 5:14:16 PM
Surr: DNOP	118	86.9-151		%REC	1	10/20/2010 5:14:16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.76	0.050		mg/L	1	10/24/2010 5:38:06 PM
Surr: BFB	112	84.5-118		%REC	1	10/24/2010 5:38:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	140	10		µg/L	10	10/24/2010 3:29:26 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 5:38:06 PM
Ethylbenzene	6.8	1.0		µg/L	1	10/24/2010 5:38:06 PM
Xylenes, Total	2.8	2.0		µg/L	1	10/24/2010 5:38:06 PM
Surr: 4-Bromofluorobenzene	114	81.3-151		%REC	1	10/24/2010 5:38:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1010801	**Collection Date:**	10/15/2010 1:52:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 5:48:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 5:48:24 PM
Surr: DNOP	119	86.9-151		%REC	1	10/20/2010 5:48:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 3:59:46 AM
Surr: BFB	95.4	84.5-118		%REC	1	10/24/2010 3:59:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	6.3	1.0		µg/L	1	10/24/2010 3:59:46 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 3:59:46 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 3:59:46 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 3:59:46 AM
Surr: 4-Bromofluorobenzene	106	81.3-151		%REC	1	10/24/2010 3:59:46 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1010801	**Collection Date:**	10/14/2010 2:17:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 6:22:31 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 6:22:31 PM
Surr: DNOP	124	86.9-151		%REC	1	10/20/2010 6:22:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 4:30:27 AM
Surr: BFB	96.9	84.5-118		%REC	1	10/24/2010 4:30:27 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/24/2010 4:30:27 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 4:30:27 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 4:30:27 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 4:30:27 AM
Surr: 4-Bromofluorobenzene	107	81.3-151		%REC	1	10/24/2010 4:30:27 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1010801	**Collection Date:**	10/15/2010 3:03:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 7:31:04 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 7:31:04 PM
Surr: DNOP	125	86.9-151		%REC	1	10/20/2010 7:31:04 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 5:00:55 AM
Surr: BFB	91.1	84.5-118		%REC	1	10/24/2010 5:00:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/24/2010 5:00:55 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 5:00:55 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 5:00:55 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 5:00:55 AM
Surr: 4-Bromofluorobenzene	97.3	81.3-151		%REC	1	10/24/2010 5:00:55 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-7
Lab Order:	1010801	**Collection Date:**	10/14/2010 12:58:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 8:05:11 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 8:05:11 PM
Surr: DNOP	125	86.9-151		%REC	1	10/20/2010 8:05:11 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 5:31:16 AM
Surr: BFB	90.2	84.5-118		%REC	1	10/24/2010 5:31:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/24/2010 5:31:16 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 5:31:16 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 5:31:16 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 5:31:16 AM
Surr: 4-Bromofluorobenzene	97.4	81.3-151		%REC	1	10/24/2010 5:31:16 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-8
Lab Order:	1010801	**Collection Date:**	10/15/2010 2:28:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 8:39:19 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 8:39:19 PM
Surr: DNOP	124	86.9-151		%REC	1	10/20/2010 8:39:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.21	0.050		mg/L	1	10/24/2010 6:01:50 AM
Surr: BFB	101	84.5-118		%REC	1	10/24/2010 6:01:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	50	1.0		µg/L	1	10/24/2010 6:01:50 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 6:01:50 AM
Ethylbenzene	1.7	1.0		µg/L	1	10/24/2010 6:01:50 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 6:01:50 AM
Surr: 4-Bromofluorobenzene	113	81.3-151		%REC	1	10/24/2010 6:01:50 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-9
Lab Order:	1010801	**Collection Date:**	10/15/2010 3:31:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 9:13:25 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 9:13:25 PM
Surr: DNOP	124	86.9-151		%REC	1	10/20/2010 9:13:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.22	0.050		mg/L	1	10/24/2010 6:32:27 AM
Surr: BFB	95.7	84.5-118		%REC	1	10/24/2010 6:32:27 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	53	1.0		µg/L	1	10/24/2010 6:32:27 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 6:32:27 AM
Ethylbenzene	2.3	1.0		µg/L	1	10/24/2010 6:32:27 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 6:32:27 AM
Surr: 4-Bromofluorobenzene	107	81.3-151		%REC	1	10/24/2010 6:32:27 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-10
Lab Order:	1010801	**Collection Date:**	10/14/2010 3:32:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 9:47:32 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 9:47:32 PM
Surr: DNOP	121	86.9-151		%REC	1	10/20/2010 9:47:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 7:03:02 AM
Surr: BFB	92.1	84.5-118		%REC	1	10/24/2010 7:03:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	10/24/2010 7:03:02 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 7:03:02 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 7:03:02 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 7:03:02 AM
Surr: 4-Bromofluorobenzene	102	81.3-151		%REC	1	10/24/2010 7:03:02 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-11
Lab Order:	1010801	**Collection Date:**	10/14/2010 1:36:00 PM
Project:	BMG Highway 537 2009 Spill	**Date Received:**	10/19/2010
Lab ID:	1010801-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/20/2010 10:21:41 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/20/2010 10:21:41 PM
Surr: DNOP	125	86.9-151		%REC	1	10/20/2010 10:21:41 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/24/2010 7:33:27 AM
Surr: BFB	95.8	84.5-116		%REC	1	10/24/2010 7:33:27 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/24/2010 7:33:27 AM
Toluene	ND	1.0		µg/L	1	10/24/2010 7:33:27 AM
Ethylbenzene	ND	1.0		µg/L	1	10/24/2010 7:33:27 AM
Xylenes, Total	ND	2.0		µg/L	1	10/24/2010 7:33:27 AM
Surr: 4-Bromofluorobenzene	106	81.3-151		%REC	1	10/24/2010 7:33:27 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 2009 Spill **Work Order:** 1010801

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24190		*MBLK*				Batch ID:	**24190**	Analysis Date:		10/20/2010 1:49:30 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24190		*LCS*				Batch ID:	**24190**	Analysis Date:		10/20/2010 2:23:37 PM	
Diesel Range Organics (DRO)	5.295	mg/L	1.0	5	0	106	74	157			
Sample ID: LCSD-24190		*LCSD*				Batch ID:	**24190**	Analysis Date:		10/20/2010 2:57:44 PM	
Diesel Range Organics (DRO)	5.559	mg/L	1.0	5	0	111	74	157	4.86	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41734**	Analysis Date:		10/23/2010 1:45:44 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41734**	Analysis Date:		10/23/2010 10:54:49 PM	
Gasoline Range Organics (GRO)	0.5888	mg/L	0.050	0.5	0	118	83.7	124			
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41734**	Analysis Date:		10/23/2010 1:45:44 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R41734**	Analysis Date:		10/24/2010 12:26:33 AM	
Benzene	20.97	µg/L	1.0	20	0	105	84.7	118			
Toluene	21.43	µg/L	1.0	20	0	107	82	123			
Ethylbenzene	21.47	µg/L	1.0	20	0	107	83	118			
Xylenes, Total	66.78	µg/L	2.0	60	0	111	85.4	119			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL | Date Received: 10/19/2010

Work Order Number 1010801 | Received by: MLW

Checklist completed by: Signature 10/19/10 Date | Sample ID labels checked by: MG Initials

Matrix: | Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**5.7°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 2009 Spill **Work Order:** 1010801

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24190		*MBLK*				Batch ID:	**24190**	Analysis Date:		10/20/2010 1:49:30 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24190		*LCS*				Batch ID:	**24190**	Analysis Date:		10/20/2010 2:23:37 PM	
Diesel Range Organics (DRO)	5.295	mg/L	1.0	5	0	106	74	157			
Sample ID: LCSD-24190		*LCSD*				Batch ID:	**24190**	Analysis Date:		10/20/2010 2:57:44 PM	
Diesel Range Organics (DRO)	5.559	mg/L	1.0	5	0	111	74	157	4.86	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41734**	Analysis Date:		10/23/2010 1:45:44 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41734**	Analysis Date:		10/23/2010 10:54:49 PM	
Gasoline Range Organics (GRO)	0.5888	mg/L	0.050	0.5	0	118	83.7	124			
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41734**	Analysis Date:		10/23/2010 1:45:44 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R41734**	Analysis Date:		10/24/2010 12:26:33 AM	
Benzene	20.97	µg/L	1.0	20	0	105	84.7	118			
Toluene	21.43	µg/L	1.0	20	0	107	82	123			
Ethylbenzene	21.47	µg/L	1.0	20	0	107	83	118			
Xylenes, Total	66.78	µg/L	2.0	60	0	111	85.4	119			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
BMG Highway 537 2009 Spill

Project #:
AES 090201

Project Manager:
Ross Kennemer

Sampler: N. Willis

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.1

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1005201	BTEX + [redacted] (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
		H_2O	TripBlank	2-40mL glass	HCl	1	X															
10-15-10	1313	H_2O	MW-1	6-40mL glass	1-NoN 5-HCl	2	X		X													
10-14-10	1455	H_2O	MW-2			3	X		X													
10-14-10	1608		MW-3			4	X		X													
10-15-10	1352		MW-4			5	X		X													
10-14-10	1417		MW-5			6	X		X													
10-15-10	1503		MW-6			7	X		X													
10-14-10	1258		MW-7			8	X		X													
10-15-10	1428		MW-8			9	X		X													
10-15-10	1531		MW-9			10	X		X													
10-14-10	1532		MW-10			11	X		X													
10-14-10	1336	"	MW-11	"	"	12	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/18/10	0800	Nathan Willis	Debrah Watson	10/18/10	0800
10/18/10	1630	Debrah Watson	M. Walters	10/19/10	1140

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, January 26, 2010

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG HWY 537 2009 Spill

Order No.: 1001267

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 1/20/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

for Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1001267	**Collection Date:**	1/15/2010 11:05:00 AM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 3:59:26 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 3:59:26 PM
Surr: DNOP	122	58-140		%REC	1	1/20/2010 3:59:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2.1	0.25		mg/L	5	1/22/2010 5:20:32 PM
Surr: BFB	92.5	55.2-107		%REC	5	1/22/2010 5:20:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	630	20		µg/L	20	1/22/2010 4:50:12 PM
Toluene	ND	5.0		µg/L	5	1/22/2010 5:20:32 PM
Ethylbenzene	19	5.0		µg/L	5	1/22/2010 5:20:32 PM
Xylenes, Total	47	10		µg/L	5	1/22/2010 5:20:32 PM
Surr: 4-Bromofluorobenzene	100	65.9-130		%REC	5	1/22/2010 5:20:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1001267	**Collection Date:**	1/15/2010 11:29:00 AM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 4:35:38 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 4:35:38 PM
Surr: DNOP	112	58-140		%REC	1	1/20/2010 4:35:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/22/2010 11:24:19 PM
Surr: BFB	93.6	55.2-107		%REC	1	1/22/2010 11:24:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/22/2010 11:24:19 PM
Toluene	ND	1.0		µg/L	1	1/22/2010 11:24:19 PM
Ethylbenzene	ND	1.0		µg/L	1	1/22/2010 11:24:19 PM
Xylenes, Total	ND	2.0		µg/L	1	1/22/2010 11:24:19 PM
Surr: 4-Bromofluorobenzene	100	65.9-130		%REC	1	1/22/2010 11:24:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1001267	**Collection Date:**	1/15/2010 11:47:00 AM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	7.0	1.0		mg/L	1	1/20/2010 5:12:22 PM
Motor Oil Range Organics (MRO)	6.1	5.0		mg/L	1	1/20/2010 5:12:22 PM
Surr: DNOP	115	58-140		%REC	1	1/20/2010 5:12:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	3.4	0.50		mg/L	10	1/22/2010 11:54:37 PM
Surr: BFB	98.9	55.2-107		%REC	10	1/22/2010 11:54:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	750	10		µg/L	10	1/22/2010 11:54:37 PM
Toluene	11	10		µg/L	10	1/22/2010 11:54:37 PM
Ethylbenzene	34	10		µg/L	10	1/22/2010 11:54:37 PM
Xylenes, Total	ND	20		µg/L	10	1/22/2010 11:54:37 PM
Surr: 4-Bromofluorobenzene	107	65.9-130		%REC	10	1/22/2010 11:54:37 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1001267	**Collection Date:**	1/15/2010 12:03:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 5:49:06 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 5:49:06 PM
Surr: DNOP	124	58-140		%REC	1	1/20/2010 5:49:06 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 12:55:22 AM
Surr: BFB	94.9	55.2-107		%REC	1	1/23/2010 12:55:22 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	8.6	1.0		µg/L	1	1/23/2010 12:55:22 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 12:55:22 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 12:55:22 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 12:55:22 AM
Surr: 4-Bromofluorobenzene	104	65.9-130		%REC	1	1/23/2010 12:55:22 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1001267	**Collection Date:**	1/15/2010 12:20:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 6:25:19 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 6:25:19 PM
Surr: DNOP	118	58-140		%REC	1	1/20/2010 6:25:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 1:28:19 AM
Surr: BFB	81.5	55.2-107		%REC	1	1/23/2010 1:28:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/23/2010 1:28:19 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 1:28:19 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 1:28:19 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 1:28:19 AM
Surr: 4-Bromofluorobenzene	84.5	65.9-130		%REC	1	1/23/2010 1:28:19 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1001267	**Collection Date:**	1/15/2010 2:15:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 7:01:33 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 7:01:33 PM
Surr: DNOP	121	58-140		%REC	1	1/20/2010 7:01:33 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 1:58:34 AM
Surr: BFB	85.4	55.2-107		%REC	1	1/23/2010 1:58:34 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/23/2010 1:58:34 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 1:58:34 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 1:58:34 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 1:58:34 AM
Surr: 4-Bromofluorobenzene	88.4	65.9-130		%REC	1	1/23/2010 1:58:34 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-7
Lab Order:	1001267	**Collection Date:**	1/15/2010 12:37:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 7:37:30 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 7:37:30 PM
Surr: DNOP	117	58-140		%REC	1	1/20/2010 7:37:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 2:28:55 AM
Surr: BFB	91.7	55.2-107		%REC	1	1/23/2010 2:28:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/23/2010 2:28:55 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 2:28:55 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 2:28:55 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 2:28:55 AM
Surr: 4-Bromofluorobenzene	96.9	65.9-130		%REC	1	1/23/2010 2:28:55 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-8
Lab Order:	1001267	**Collection Date:**	1/15/2010 12:54:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 8:13:12 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 8:13:12 PM
Surr: DNOP	126	58-140		%REC	1	1/20/2010 8:13:12 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.24	0.050		mg/L	1	1/25/2010 12:46:43 PM
Surr: BFB	96.1	55.2-107		%REC	1	1/25/2010 12:46:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	56	1.0		µg/L	1	1/25/2010 12:46:43 PM
Toluene	ND	1.0		µg/L	1	1/25/2010 12:46:43 PM
Ethylbenzene	2.3	1.0		µg/L	1	1/25/2010 12:46:43 PM
Xylenes, Total	2.2	2.0		µg/L	1	1/25/2010 12:46:43 PM
Surr: 4-Bromofluorobenzene	102	65.9-130		%REC	1	1/25/2010 12:46:43 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-9
Lab Order:	1001267	**Collection Date:**	1/15/2010 1:52:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 8:48:55 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 8:48:55 PM
Surr: DNOP	126	58-140		%REC	1	1/20/2010 8:48:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.49	0.050		mg/L	1	1/23/2010 4:30:29 AM
Surr: BFB	85.8	55.2-107		%REC	1	1/23/2010 4:30:29 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	62	1.0		µg/L	1	1/23/2010 4:30:29 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 4:30:29 AM
Ethylbenzene	4.2	1.0		µg/L	1	1/23/2010 4:30:29 AM
Xylenes, Total	12	2.0		µg/L	1	1/23/2010 4:30:29 AM
Surr: 4-Bromofluorobenzene	92.7	65.9-130		%REC	1	1/23/2010 4:30:29 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-10
Lab Order:	1001267	**Collection Date:**	1/15/2010 1:13:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 9:24:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 9:24:36 PM
Surr: DNOP	117	58-140		%REC	1	1/20/2010 9:24:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 5:00:48 AM
Surr: BFB	86.7	55.2-107		%REC	1	1/23/2010 5:00:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/23/2010 5:00:48 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 5:00:48 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 5:00:48 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 5:00:48 AM
Surr: 4-Bromofluorobenzene	92.8	65.9-130		%REC	1	1/23/2010 5:00:48 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-11
Lab Order:	1001267	**Collection Date:**	1/15/2010 1:31:00 PM
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	1/20/2010 10:36:16 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	1/20/2010 10:36:16 PM
Surr: DNOP	138	58-140		%REC	1	1/20/2010 10:36:16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 7:31:55 AM
Surr: BFB	92.8	55.2-107		%REC	1	1/23/2010 7:31:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/23/2010 7:31:55 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 7:31:55 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 7:31:55 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 7:31:55 AM
Surr: 4-Bromofluorobenzene	100	65.9-130		%REC	1	1/23/2010 7:31:55 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	Trip Blank
Lab Order:	1001267	**Collection Date:**	
Project:	BMG HWY 537 2009 Spill	**Date Received:**	1/20/2010
Lab ID:	1001267-12	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	1/23/2010 8:02:07 AM
Surr: BFB	95.9	55.2-107		%REC	1	1/23/2010 8:02:07 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	1/23/2010 8:02:07 AM
Toluene	ND	1.0		µg/L	1	1/23/2010 8:02:07 AM
Ethylbenzene	ND	1.0		µg/L	1	1/23/2010 8:02:07 AM
Xylenes, Total	ND	2.0		µg/L	1	1/23/2010 8:02:07 AM
Surr: 4-Bromofluorobenzene	105	65.9-130		%REC	1	1/23/2010 8:02:07 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG HWY 537 2009 Spill **Work Order:** 1001267

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21183		*MBLK*				Batch ID:	**21183**	Analysis Date:		1/20/2010 8:49:19 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21183		*LCS*				Batch ID:	**21183**	Analysis Date:		1/20/2010 9:26:04 AM	
Diesel Range Organics (DRO)	6.181	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-21183		*LCSD*				Batch ID:	**21183**	Analysis Date:		1/20/2010 10:02:11 AM	
Diesel Range Organics (DRO)	5.014	mg/L	1.0	5	0	100	74	157	20.8	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1001267-02A MSD		*MSD*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 6:51:32 PM	
Gasoline Range Organics (GRO)	0.4560	mg/L	0.050	0.5	0	91.2	80	115	5.63	8.39	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 9:15:10 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 7:21:58 PM	
Gasoline Range Organics (GRO)	0.4996	mg/L	0.050	0.5	0	99.9	80	115			
Sample ID: 1001267-02A MS		*MS*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 6:21:15 PM	
Gasoline Range Organics (GRO)	0.4824	mg/L	0.050	0.5	0	96.5	80	115			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1001267-05A MSD		*MSD*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 8:22:29 PM	
Benzene	19.33	µg/L	1.0	20	0	96.6	85.9	113	4.79	27	
Toluene	18.76	µg/L	1.0	20	0	93.8	86.4	113	8.00	19	
Ethylbenzene	18.98	µg/L	1.0	20	0	94.9	83.5	118	7.57	10	
Xylenes, Total	57.58	µg/L	2.0	60	0	96.0	83.4	122	7.16	13	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 9:15:10 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 8:52:53 PM	
Benzene	20.72	µg/L	1.0	20	0	104	85.9	113			
Toluene	20.44	µg/L	1.0	20	0	102	86.4	113			
Ethylbenzene	20.79	µg/L	1.0	20	0	104	83.5	118			
Xylenes, Total	63.16	µg/L	2.0	60	0	105	83.4	122			
Sample ID: 1001267-05A MS		*MS*				Batch ID:	**R37089**	Analysis Date:		1/22/2010 7:52:21 PM	
Benzene	20.27	µg/L	1.0	20	0	101	85.9	113			
Toluene	20.32	µg/L	1.0	20	0	102	86.4	113			
Ethylbenzene	20.47	µg/L	1.0	20	0	102	83.5	118			
Xylenes, Total	61.85	µg/L	2.0	60	0	103	83.4	122			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **ANIMAS ENVIRONMENTAL** Date Received: **1/20/2010**

Work Order Number **1001267** Received by: ARS

Checklist completed by: _____ 1/20/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**5.8°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

_____

_____

_____

_____

Corrective Action _____

_____

_____

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche

Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush _____

Project Name:

BMG HWY 537 2009 Spill

Project #:

090201

Project Manager:

Ross Kennemer

Sampler:

On Ice: Yes

Sample Temperature: 5°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date (As rec'd 1/14/10)	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + [illegible] (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
1/15/10																						
~~1-15-10~~	1105	H_2O	MW-1	6-40mL glass	5-HCl 1-unpres	1	X		X													
	1129		MW-2			2	X		X													
	1147		MW-3			3	X		X													
	1203		MW-4			4	X		X													
	1220		MW-5			5	X		X													
	1415		MW-6			6	X		X													
	1237		MW-7			7	X		X													
	1254		MW-8			8	X		X													
	1352		MW-9			9	X		X													
	1313		MW-10			10	X		X													
	1331		MW-11			11	X		X													
			Trip Blank			12	X															

Date:	Time:	Relinquished by:	Received by:	Date	Time
1-19-10	1626	[signature]	[signature]	1/20/10	9:50
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, September 25, 2009

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: BMG Highway 537 Spill 2009

Order No.: 0909259

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 9/15/2009 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	0909259	**Collection Date:**	9/11/2009 11:13:00 AM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 5:11:11 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 5:11:11 PM
Surr: DNOP	103	58-140		%REC	1	9/17/2009 5:11:11 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	4.8	1.0		mg/L	20	9/24/2009 12:58:51 AM
Surr: BFB	82.7	55.2-107		%REC	20	9/24/2009 12:58:51 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	1500	20		µg/L	20	9/24/2009 12:58:51 AM
Toluene	1.1	1.0		µg/L	1	9/23/2009 11:16:31 AM
Ethylbenzene	48	1.0		µg/L	1	9/23/2009 11:16:31 AM
Xylenes, Total	170	2.0		µg/L	1	9/23/2009 11:16:31 AM
Surr: 4-Bromofluorobenzene	103	65.9-130		%REC	1	9/23/2009 11:16:31 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	0909259	**Collection Date:**	9/10/2009 11:40:00 AM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 5:46:37 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 5:46:37 PM
Surr: DNOP	113	58-140		%REC	1	9/17/2009 5:46:37 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/24/2009 1:59:20 AM
Surr: BFB	79.0	55.2-107		%REC	1	9/24/2009 1:59:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/24/2009 1:59:20 AM
Toluene	ND	1.0		µg/L	1	9/23/2009 11:46:50 AM
Ethylbenzene	ND	1.0		µg/L	1	9/23/2009 11:46:50 AM
Xylenes, Total	ND	2.0		µg/L	1	9/23/2009 11:46:50 AM
Surr: 4-Bromofluorobenzene	96.9	65.9-130		%REC	1	9/23/2009 11:46:50 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	0909259	**Collection Date:**	9/11/2009 11:47:00 AM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	9.6	1.0		mg/L	1	9/17/2009 6:22:04 PM
Motor Oil Range Organics (MRO)	6.0	5.0		mg/L	1	9/17/2009 6:22:04 PM
Surr: DNOP	109	58-140		%REC	1	9/17/2009 6:22:04 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	4.2	0.50		mg/L	10	9/24/2009 2:29:26 AM
Surr: BFB	93.1	55.2-107		%REC	10	9/24/2009 2:29:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	380	10		µg/L	10	9/24/2009 12:53:08 PM
Toluene	27	10		µg/L	10	9/24/2009 12:53:08 PM
Ethylbenzene	26	10		µg/L	10	9/24/2009 12:53:08 PM
Xylenes, Total	61	20		µg/L	10	9/24/2009 12:53:08 PM
Surr: 4-Bromofluorobenzene	89.0	65.9-130		%REC	10	9/24/2009 12:53:08 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	0909259	**Collection Date:**	9/10/2009 1:50:00 PM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 6:57:30 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 6:57:30 PM
Surr: DNOP	107	58-140		%REC	1	9/17/2009 6:57:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.051	0.050		mg/L	1	9/24/2009 2:59:41 AM
Surr: BFB	84.9	55.2-107		%REC	1	9/24/2009 2:59:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	13	1.0		µg/L	1	9/24/2009 2:59:41 AM
Toluene	ND	1.0		µg/L	1	9/23/2009 12:47:26 PM
Ethylbenzene	ND	1.0		µg/L	1	9/23/2009 12:47:26 PM
Xylenes, Total	ND	2.0		µg/L	1	9/23/2009 12:47:26 PM
Surr: 4-Bromofluorobenzene	82.3	65.9-130		%REC	1	9/23/2009 12:47:26 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	0909259	**Collection Date:**	9/10/2009 2:23:00 PM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 7:33:10 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 7:33:10 PM
Surr: DNOP	103	58-140		%REC	1	9/17/2009 7:33:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/23/2009 1:17:47 PM
Surr: BFB	95.0	55.2-107		%REC	1	9/23/2009 1:17:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/24/2009 3:29:57 AM
Toluene	ND	1.0		µg/L	1	9/23/2009 1:17:47 PM
Ethylbenzene	ND	1.0		µg/L	1	9/23/2009 1:17:47 PM
Xylenes, Total	ND	2.0		µg/L	1	9/23/2009 1:17:47 PM
Surr: 4-Bromofluorobenzene	103	65.9-130		%REC	1	9/23/2009 1:17:47 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	0909259	**Collection Date:**	9/10/2009 12:38:00 PM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 8:08:51 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 8:08:51 PM
Surr: DNOP	106	58-140		%REC	1	9/17/2009 8:08:51 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/23/2009 1:50:21 PM
Surr: BFB	93.5	55.2-107		%REC	1	9/23/2009 1:50:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/23/2009 1:50:21 PM
Toluene	ND	1.0		µg/L	1	9/23/2009 1:50:21 PM
Ethylbenzene	ND	1.0		µg/L	1	9/23/2009 1:50:21 PM
Xylenes, Total	ND	2.0		µg/L	1	9/23/2009 1:50:21 PM
Surr: 4-Bromofluorobenzene	101	65.9-130		%REC	1	9/23/2009 1:50:21 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-7
Lab Order:	0909259	**Collection Date:**	9/10/2009 1:16:00 PM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 8:44:32 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 8:44:32 PM
Surr: DNOP	104	58-140		%REC	1	9/17/2009 8:44:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/23/2009 2:22:02 PM
Surr: BFB	92.6	55.2-107		%REC	1	9/23/2009 2:22:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/23/2009 2:22:02 PM
Toluene	ND	1.0		µg/L	1	9/23/2009 2:22:02 PM
Ethylbenzene	ND	1.0		µg/L	1	9/23/2009 2:22:02 PM
Xylenes, Total	ND	2.0		µg/L	1	9/23/2009 2:22:02 PM
Surr: 4-Bromofluorobenzene	98.9	65.9-130		%REC	1	9/23/2009 2:22:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-8
Lab Order:	0909259	**Collection Date:**	9/11/2009 10:38:00 AM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	1.1	1.0		mg/L	1	9/17/2009 9:55:54 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 9:55:54 PM
Surr: DNOP	112	58-140		%REC	1	9/17/2009 9:55:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	4.1	1.0		mg/L	20	9/23/2009 2:52:21 PM
Surr: BFB	89.0	55.2-107		%REC	20	9/23/2009 2:52:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	1200	20		µg/L	20	9/23/2009 2:52:21 PM
Toluene	ND	20		µg/L	20	9/23/2009 2:52:21 PM
Ethylbenzene	36	20		µg/L	20	9/23/2009 2:52:21 PM
Xylenes, Total	75	40		µg/L	20	9/23/2009 2:52:21 PM
Surr: 4-Bromofluorobenzene	98.2	65.9-130		%REC	20	9/23/2009 2:52:21 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-9
Lab Order:	0909259	**Collection Date:**	9/10/2009 3:34:00 PM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 10:31:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 10:31:36 PM
Surr: DNOP	106	58-140		%REC	1	9/17/2009 10:31:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.86	0.050		mg/L	1	9/23/2009 3:53:01 PM
Surr: BFB	93.7	55.2-107		%REC	1	9/23/2009 3:53:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	46	1.0		µg/L	1	9/23/2009 3:53:01 PM
Toluene	ND	1.0		µg/L	1	9/23/2009 3:53:01 PM
Ethylbenzene	3.8	1.0		µg/L	1	9/23/2009 3:53:01 PM
Xylenes, Total	19	2.0		µg/L	1	9/23/2009 3:53:01 PM
Surr: 4-Bromofluorobenzene	108	65.9-130		%REC	1	9/23/2009 3:53:01 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-10
Lab Order:	0909259	**Collection Date:**	9/10/2009 10:56:00 AM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 11:07:18 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 11:07:18 PM
Surr: DNOP	114	58-140		%REC	1	9/17/2009 11:07:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/23/2009 4:53:39 PM
Surr: BFB	80.5	55.2-107		%REC	1	9/23/2009 4:53:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/23/2009 4:53:39 PM
Toluene	ND	1.0		µg/L	1	9/23/2009 4:53:39 PM
Ethylbenzene	ND	1.0		µg/L	1	9/23/2009 4:53:39 PM
Xylenes, Total	ND	2.0		µg/L	1	9/23/2009 4:53:39 PM
Surr: 4-Bromofluorobenzene	83.5	65.9-130		%REC	1	9/23/2009 4:53:39 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-11
Lab Order:	0909259	**Collection Date:**	9/10/2009 3:00:00 PM
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/17/2009 11:42:59 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/17/2009 11:42:59 PM
Surr: DNOP	112	58-140		%REC	1	9/17/2009 11:42:59 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/23/2009 10:27:38 PM
Surr: BFB	78.3	55.2-107		%REC	1	9/23/2009 10:27:38 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/24/2009 1:23:30 PM
Toluene	ND	1.0		µg/L	1	9/24/2009 1:23:30 PM
Ethylbenzene	ND	1.0		µg/L	1	9/24/2009 1:23:30 PM
Xylenes, Total	ND	2.0		µg/L	1	9/24/2009 1:23:30 PM
Surr: 4-Bromofluorobenzene	98.9	65.9-130		%REC	1	9/24/2009 1:23:30 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Sep-09*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	FIELD BLANK
Lab Order:	0909259	**Collection Date:**	
Project:	BMG Highway 537 Spill 2009	**Date Received:**	9/15/2009
Lab ID:	0909259-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/24/2009 1:53:40 PM
Toluene	ND	1.0		µg/L	1	9/24/2009 1:53:40 PM
Ethylbenzene	ND	1.0		µg/L	1	9/24/2009 1:53:40 PM
Xylenes, Total	ND	2.0		µg/L	1	9/24/2009 1:53:40 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2009 1:53:40 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2009 1:53:40 PM
Surr: 4-Bromofluorobenzene	93.2	65.9-130		%REC	1	9/24/2009 1:53:40 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 Spill 2009 **Work Order:** 0909259

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-20131		*MBLK*				Batch ID:	**20131**	Analysis Date:		9/17/2009 3:24:21 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-20131		*LCS*				Batch ID:	**20131**	Analysis Date:		9/17/2009 3:59:49 PM	
Diesel Range Organics (DRO)	4.499	mg/L	1.0	5	0	90.0	74	157			
Sample ID: LCSD-20131		*LCSD*				Batch ID:	**20131**	Analysis Date:		9/17/2009 4:35:29 PM	
Diesel Range Organics (DRO)	4.560	mg/L	1.0	5	0	91.2	74	157	1.33	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 8:44:48 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R35456**	Analysis Date:		9/24/2009 9:20:39 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 6:24:47 PM	
Gasoline Range Organics (GRO)	0.4968	mg/L	0.050	0.5	0	99.4	80	115			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R35456**	Analysis Date:		9/25/2009 4:35:20 AM	
Gasoline Range Organics (GRO)	0.4168	mg/L	0.050	0.5	0	83.4	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 6:55:12 PM	
Gasoline Range Organics (GRO)	0.4804	mg/L	0.050	0.5	0	96.1	80	115	3.36	8.39	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R35456**	Analysis Date:		9/25/2009 5:05:43 AM	
Gasoline Range Organics (GRO)	0.4062	mg/L	0.050	0.5	0	81.2	80	115	2.58	8.39	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 Spill 2009 **Work Order:** 0909259

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 0909259-04A MSD		*MSD*				Batch ID:	**R35456**	Analysis Date:		9/24/2009 4:26:50 PM	
Benzene	28.86	µg/L	1.0	20	13.44	77.1	85.9	113	0.0555	27	S
Toluene	16.39	µg/L	1.0	20	0	82.0	86.4	113	0.971	19	S
Ethylbenzene	17.90	µg/L	1.0	20	0.228	88.4	83.5	118	0.179	10	
Xylenes, Total	54.80	µg/L	2.0	60	0	91.3	83.4	122	0.865	13	
1,2,4-Trimethylbenzene	19.50	µg/L	1.0	20	0.19	96.6	83.5	115	1.26	21	
1,3,5-Trimethylbenzene	18.52	µg/L	1.0	20	0.15	91.8	85.2	113	0.260	10	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 8:44:48 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R35456**	Analysis Date:		9/24/2009 9:20:39 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 7:55:50 PM	
Benzene	19.79	µg/L	1.0	20	0	99.0	85.9	113			
Toluene	19.19	µg/L	1.0	20	0	95.9	86.4	113			
Ethylbenzene	19.71	µg/L	1.0	20	0	98.6	83.5	118			
Xylenes, Total	58.04	µg/L	2.0	60	0	96.7	83.4	122			
1,2,4-Trimethylbenzene	19.52	µg/L	1.0	20	0	97.6	83.5	115			
1,3,5-Trimethylbenzene	18.66	µg/L	1.0	20	0	93.3	85.2	113			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R35456**	Analysis Date:		9/25/2009 5:36:05 AM	
Benzene	19.44	µg/L	1.0	20	0	97.2	85.9	113			
Toluene	18.86	µg/L	1.0	20	0	94.3	86.4	113			
Ethylbenzene	19.13	µg/L	1.0	20	0	95.7	83.5	118			
Xylenes, Total	56.77	µg/L	2.0	60	0	94.6	83.4	122			
1,2,4-Trimethylbenzene	19.51	µg/L	1.0	20	0	97.6	83.5	115			
1,3,5-Trimethylbenzene	18.54	µg/L	1.0	20	0	92.7	85.2	113			
Sample ID: 100NG BTEX LCSD		*LCSD*				Batch ID:	**R35456**	Analysis Date:		9/25/2009 6:06:20 AM	
Benzene	17.48	µg/L	1.0	20	0	87.4	85.9	113	10.6	27	
Toluene	16.57	µg/L	1.0	20	0	82.9	86.4	113	12.9	19	S
Ethylbenzene	17.44	µg/L	1.0	20	0	87.2	83.5	118	9.23	10	
Xylenes, Total	53.18	µg/L	2.0	60	0	88.6	83.4	122	6.53	13	
1,2,4-Trimethylbenzene	19.17	µg/L	1.0	20	0	95.8	83.5	115	1.79	21	
1,3,5-Trimethylbenzene	18.18	µg/L	1.0	20	0	90.9	85.2	113	1.97	10	
Sample ID: 0909259-04A MS		*MS*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 7:25:27 PM	
Benzene	30.08	µg/L	1.0	20	13.44	83.2	85.9	113			S

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: BMG Highway 537 Spill 2009 **Work Order:** 0909259

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 0909259-04A MS		*MS*				Batch ID:	**R35438**	Analysis Date:		9/23/2009 7:25:27 PM	
Toluene	17.75	µg/L	1.0	20	0	88.8	86.4	113			
Ethylbenzene	18.16	µg/L	1.0	20	0.228	89.7	83.5	118			
Xylenes, Total	54.78	µg/L	2.0	60	0	91.3	83.4	122			
1,2,4-Trimethylbenzene	20.24	µg/L	1.0	20	0.19	100	83.5	115			
1,3,5-Trimethylbenzene	18.71	µg/L	1.0	20	0.15	92.8	85.2	113			
Sample ID: 0909259-04A MS		*MS*				Batch ID:	**R35456**	Analysis Date:		9/24/2009 3:56:25 PM	
Benzene	28.84	µg/L	1.0	20	13.44	77.0	85.9	113			S
Toluene	16.55	µg/L	1.0	20	0	82.8	86.4	113			S
Ethylbenzene	17.94	µg/L	1.0	20	0.228	88.5	83.5	118			
Xylenes, Total	54.33	µg/L	2.0	60	0	90.5	83.4	122			
1,2,4-Trimethylbenzene	19.26	µg/L	1.0	20	0.19	95.4	83.5	115			
1,3,5-Trimethylbenzene	18.47	µg/L	1.0	20	0.15	91.6	85.2	113			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL | Date Received: 9/15/2009

Work Order Number 0909259 | Received by: TLS

Sample ID labels checked by: AA (Initials)

Checklist completed by: _____ (Signature) 9/15/09 (Date)

Matrix: | Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	**1.6°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Services, LLC.

Mailing Address: 624 E. Comanche Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: HNG 537 Truck Station Spill 2009

Project #: 090201

Project Manager: Ross Kennemer

Sampler:

On Ice: ☑ Yes ☐ No

Sample Temperature: 4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0909959	BTEX + [illegible]'s (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
9-11-09	1113	H_2O	MW-1	6-40mL VOAs	5-HCl 1-unpres	1	X		X													
9-10-09	1140		MW-2			2	X		X													
9-11-09	1147		MW-3			3	X		X													
9-10-09	1350		MW-4			4	X		X													
9-10-09	1423		MW-5			5	X		X													
9-10-09	1238		MW-6			6	X		X													
9-10-09	1316		MW-7			7	X		X													
9-11-09	1038		MW-8			8	X		X													
9-10-09	1534		MW-9			9	X		X													
9-10-09	1056		MW-10			10	X		X													
9-10-09	1500		MW-11			11	X		X													
		Field	Trip Blank	2-40mL vials	HCl	12	X															

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/14/09	1557	Nathan Wiley		9/15/09	925
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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