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Animas Environmental Services, LLC

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April 10, 2009

2009 APR 13 AM 10 10

Glen von Gonten New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

RE: Site Investigation Report for the BMG Highway 537 Truck Receiving Station Spill, Schmitz Ranch, Rio Arriba County, New Mexico

Dear Mr. von Gonten:

Enclosed is the Site Investigation Report prepared by Animas Environmental Services, LLC (AES), on behalf of Benson-Montin-Greer Drilling Corporation (BMG), for the investigation of the oil leak at BMG's Highway 537 Truck Receiving Station. The leak was discovered on January 29, 2009, and is fully described within this report.

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

Sincerely,

Ross Kennemer Project Manager

Cc: Brandon Powell

New Mexico Oil Conservation Division 1000 Rio Brazos Rd.

Aztec, New Mexico 87410

Mike Dimond Benson-Montin-Greer Drilling Corporation 4900 College Blvd Farmington, New Mexico 87402

Craig Schmitz, Schmitz Ranch #70 County Road 405 Lindrith, New Mexico 87029



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

Glen von Gonten New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

> Site Investigation Report Highway 537 Truck Receiving Station 2009 Spill

Benson Montin Greer SW¹/₄ SW¹/₄ NW¹/₄ of Sect. 18, T25N, R3W Los Ojitos Canyon, Rio Arriba County, New Mexico

April 10, 2009

Prepared on behalf of:
Benson-Montin-Greer Drilling Corporation
4900 College Blvd.
Farmington, New Mexico 87402

Prepared by:
Animas Environmental Services, LLC
624 E. Comanche
Farmington, New Mexico 87401



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1.0 Introduction

Animas Environmental Services, LLC (AES), on behalf of Benson Montin Greer Drilling Corporation (BMG), has prepared this Site Investigation Report for BMG's Highway 537 Truck Receiving Station oil spill, which was discovered on January 28, 2009.

Site investigation work was completed in accordance with a Sampling and Analysis Plan (SAP) prepared by AES and dated February 3, 2009. The SAP was submitted to the New Mexico Oil Conservation Division (NMOCD) for review prior to implementing the proposed scope of work.

2.0 Site Information

2.1 Facility Information

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 shipping. Surface ownership in the area where the spill occurred includes private land owned by the Schmitz Ranch.

2.2 Site Location

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. Longitude and latitude were recorded as being N36°23'55.160" and W107°11'35.814". A topographic site location map is included as Figure 1.

2.3 Spill 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 spill. 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 an organic vapor meter (OVM) photo-ionization detector (PID). 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). This 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. A site plan showing the spill location, excavated area, and sample location (January 30) is included as Figure 2. The soil sample analytical report is included in Appendix A.

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 (see Figure 2). 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 spill area, BMG and AES, in consultation with NMOCD, concluded that excavating additional soils in order to determine the extent of the spill would be difficult and that an assessment of the spill 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.

3.0 Geology and Hydrogeology

3.1 Geology

Rio Arriba County, New Mexico, is located along the southeastern margin of the San Juan Basin portion of the Colorado Plateau physiographic province. The San Juan Basin is a large, structural depression encompassing approximately 22,000 square miles and contains deep Tertiary fill resting on rocks of Late Cretaceous age. The lithology consists primarily of the Mesa Verde Formation, composed primarily of sandstones. The topography is broad and mostly flat, surrounded by mountains and deep canyons. Major rivers carved deep canyons and mesas, and physical erosion from wind and water chipped and polished the exposed rocks in the canyons.

The regional geology of Los Ojitos Canyon area is predominately Late Cretaceous coastal plains and shoreline and marine units that were deposited along the western margin of the interior seaway. The shallow inland sea transgressed and regressed over a period of 250 million years, depositing the Dakota Sandstone and Mancos Shale units. The Dakota Sandstone records the alternating rise (shale) and fall (sandstones) of sea level as the shoreline moved back and forth across the area about 98 to 100 million years ago. The long-term rise in sea level deposited rocks of the Mancos Group, which from oldest to youngest; include the Graneros Shale, Greenhorn Limestone, and Carlile Shale. Gradually the sea level dropped again, and the shoreline retreated to the northeast, as deposition of the Mesaverde Group began. The Mesaverde Group consists of alternating sandstones, siltstones, and coal deposited by rivers flowing into the shallow sea.

3.2 Hydrogeology

The BMG Highway 537 Truck Receiving Station is located adjacent to several unnamed washes and the Los Ojitos Canyon Arroyo, which drain southwest to Largo Canyon and ultimately to the San Juan River.

Locally, shallow groundwater is encountered within the valleys and canyons at depths less than 50 feet and is typically associated with arroyos, which can be incised as much as 20 feet below the valley floor. Based on measurements from monitor wells installed by AES on-site, groundwater underlying the spill site is approximately 27 feet bgs.

4.0 Site Investigation – February and March 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 spill. The investigation procedures included the installation of 11 monitor wells and collection of soil and groundwater samples. Work was completed in accordance with the SAP 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.

4.1 Permits and Access Agreements

Prior to initiating the fieldwork, AES obtained a verbal property access agreement from Tony Schmitz, private property owner.

4.2 Utilities Notification

AES utilized the New Mexico One-Call system to identify and mark all underground utilities at the site before initiating drilling activities.

4.3 Notification

AES notified Mike Dimond of BMG, Brandon Powell of NMOCD, and Tony Schmitz of Schmitz Ranch, before starting field activities. AES also notified Mr. Brandon Powell of NMOCD on February 16, 2009, that groundwater had been impacted.

4.4 Health and Safety Plan

Prior to the start of the site investigation activities, AES prepared and implemented a comprehensive site-specific Health and Safety Plan (HASP) addressing the site investigation activities and associated soil and groundwater sampling. All employees and subcontractors were required to read and sign the HASP to acknowledge their understanding of the information contained within the HASP. The HASP was implemented and enforced on site by the assigned Site Safety and Health Officer. Daily tailgate meetings were held and documented during field activities and addressed site-specific health and safety concerns or issues.

4.5 Installation and Sampling of Soil Borings

From February 16 through February 20, 2009, AES installed 11 monitor wells at and in the vicinity of the spill in order to define the lateral and vertical extent of near surface and subsurface soil contamination. All monitor wells (MW-1 through MW-11) were installed with a hollow stem auger. Wells MW-1 through MW-11 ranged in depth from 24.0 feet below ground surface (bgs) to 40 feet bgs. Mr. Brandon Powell of NMOCD was present on February 17, 2009, for the drilling and sampling of monitor well MW-5. The locations of soil borings/monitor wells are presented on Figure 3.

4.5.1 Drilling Methods

Soil borings MW-1 through MW-11 were advanced with a CME 75 hollow stem auger drill rig subcontracted through Envirodrill, Inc., Albuquerque, New Mexico.

4.5.2 Soil Sample Collection

Soil samples were collected from continuously driven core-barrel samplers during advancement of the soil borings. Discrete samples were collected based on PID-OVM screening measurements from the core barrel sampler and transferred to appropriately labeled sample containers. Soil sample collection was completed in strict accordance with AES's Standard Operating Procedures (SOPs).

For each soil boring, a Soil Boring Log was completed. These logs recorded sample identification, depth collected, and method of collection, as well as observations of soil moisture, color, density, grain size, plasticity, contaminant presence, and overall stratigraphy.

4.5.3 Field Screening

Samples were collected at approximate 5-foot intervals from each soil sampling location and field screened for volatile organic vapors utilizing a PID-OVM calibrated with isobutylene gas to obtain preliminary data regarding potential petroleum hydrocarbon-impacted soil.

Once collected, the soil samples to be field screened were immediately placed in a clean one-gallon Ziploc bag and allowed to warm up to approximately 80°F. Approximately ten minutes was allowed for the soil to be heated and for any VOCs in the soil to accumulate in the headspace of the Ziploc bag. During the initial stages of headspace development, the sample was gently shaken for one minute to promote vapor development and disaggregate the sample. Volatile gases were then measured by carefully opening the Ziploc bag and inserting the sample probe of the PID-OVM. The highest (peak) measurements were recorded onto the Soil Boring Logs. All field screening was completed in accordance with the SAP and USEPA Environmental Response Team's SOPs.

4.5.4 Laboratory Analyses - Soil

Soil samples collected from borings were submitted to an EPA-approved laboratory, Hall, Albuquerque, New Mexico, for laboratory analysis of the following parameters:

- Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) EPA Method 8021
- Total Petroleum Hydrocarbons (TPH) (C₆-C₃₆) Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Motor Oil Range Organics (MRO) – EPA Method 8015 Modified

Once collected, soil samples were preserved in laboratory-supplied containers containing methanol and stored in an insulated cooler containing ice. Samples were shipped in insulated coolers containing ice at less than 6°C via Greyhound bus to the analyzing laboratory. For all laboratory samples, quality assurance and quality control (QA/QC) procedures, sample preservation, apparatus required, and analyses performed were in accordance with USEPA Document EPA-600, "Methods for Chemical Analysis for Water and Wastes" dated July 1982; and USEPA document SW-846, 3rd Edition, "Test Methods for Evaluating Solid Waste: Physical Chemical Methods", dated November 1986.

4.6 Groundwater Monitor Well Installation

4.6.1 Groundwater Monitor Well Installation and Construction

A total of eleven monitor wells were installed at the site. Monitor wells were positioned around the spill area in order to define any horizontal migration of contaminants in groundwater. Groundwater was encountered between approximately 12 to 29 feet bgs.

Monitor well construction consisted of 2-inch outside diameter (OD) Schedule 40 PVC screen and 2-inch blank riser casing. The screened interval extended 15 feet across the water table. The wells were constructed with a filter pack of 10/20 Colorado silica sand covering the well screen and 1 foot of the blank riser casing. Two feet of bentonite seal was placed above the sand pack, and concrete grout with approximately five percent bentonite was poured from the top of the bentonite plug up to within a foot of ground surface. An above grade locking steel protective riser, enclosed with a shroud of concrete was installed on the well to prevent unauthorized access and damage. Monitor well locations are included as Figure 3. Monitor well construction diagrams for MW-1 through MW-11 are included on the soil boring logs in Appendix B.

4.6.2 Groundwater Monitor Well Development

Following monitor well installation and completion, each well was developed in order to remove fine-grained sediments from the sand pack and to increase hydraulic conductivity through the well screen. Each well was developed by a combination of surging and pumping techniques. Groundwater purged from the wells was contained in labeled and sealed 55-gallon drums. Development water was disposed of within the 80 bbl waste tank. Monitor wells were developed in strict accordance with AES's SOPs. Details of monitor well development including purged water volume are included on a Groundwater Monitor Well Development Form.

4.6.3 Monitor Well Survey

The location and elevation of the top of each well casing was surveyed to the nearest 0.01 foot with reference to mean sea level by Arrow Engineering, a New Mexico Licensed Professional Surveyor. Each well is tied to an existing USGS benchmark.

4.6.4 Groundwater Monitor Well Monitoring and Sampling

AES personnel completed groundwater monitoring and sampling of the wells on March 5, 6, and 9, and April 6, 2009. Groundwater samples were collected from a total of 12 monitor wells (eleven newly completed wells and one from the BMG Highway 537 2006 and 2007

Spill) with new disposable bailers and transferred into appropriate sample containers, labeled accordingly, and documented on Water Sample Collection Forms.

Prior to sample collection, water quality measurements were recorded which included depth to groundwater, pH, temperature, conductivity, dissolved oxygen (DO), and oxidation reduction potential (ORP). Samples were shipped in insulated coolers containing ice at less than 6°C via Greyhound bus to Hall, the analyzing laboratory.

4.6.5 Laboratory Analyses - Groundwater

All groundwater analytical samples were analyzed for the following parameters:

- BTEX EPA Method 8021
- TPH (C₆-C₃₆) GRO, DRO, and MRO EPA Method 8015 Modified

A travel blank was analyzed for BTEX per EPA Method 8021.

5.0 Results

5.1 Soil

5.1.1 Lithology

Soil lithology was observed to consist of interbedded layers of moist reddish-brown clayey and silty sand, moist reddish-brown silty and sandy clay, poorly sorted tan sands and sandstone, and moist stiff brown clays throughout the site. Soil boring logs with monitor well construction details are included in Appendix B.

5.1.2 Field Results

Soil samples collected from soil borings were field-screened for VOCs with a PID-OVM. OVM readings were at or near background levels for all samples collected from MW-6 and MW-7 and ranged from 0.0 parts per million (ppm) to 0.6 ppm. Details of PID-OVM readings above background levels are as follows:

- MW-1 OVM readings ranged from 163 ppm at 15 feet bgs to 1,247 ppm at 20 feet bgs.
- MW-2 OVM readings ranged from 0.0 ppm at 5 feet bgs to 4.9 ppm at 25 feet bgs.
- MW-3 OVM readings ranged from 0.5 ppm at 10 feet bgs to 1,246 ppm at 25 feet bgs.
- MW-4 OVM readings ranged from 2.3 ppm at 15 feet bgs to 1,358 ppm at 25 feet bgs.
- MW-5 The highest OVM reading was 8.7 ppm at 25 feet bgs.
- MW-8 OVM readings ranged from 0.1 ppm at 5 feet bgs to 1,763 ppm at 26 feet bgs.
- MW-9 OVM readings ranged from 0.2 ppm at 10 feet bgs to 34.9 ppm at 28 feet bgs.
- MW-10 The highest OVM reading was 4.7 ppm at 30 feet bgs.
- MW-11 The highest OVM reading was 1.7 ppm at 34 feet bgs.

PID readings were recorded on the Soil Boring Logs, which are included in Appendix B.

5.1.3 Soil Analytical Results

Soil samples were collected for laboratory analysis from zones with high OVM readings and/or visible contaminant staining. Remediation action levels promulgated by NMOCD for oil spills and releases (August 13, 1993) were utilized as action levels for soil characterization. The NMOCD remediation action levels for total BTEX are 50 mg/kg and 100 mg/kg for TPH.

Soil analytical results showed that soil samples collected from MW-1 at 20 feet bgs and 30 at feet bgs had total BTEX concentrations above NMOCD Action Levels with 112 mg/kg and 102 mg/kg, respectively. Soil samples collected from MW-3 at 26 feet bgs had BTEX concentrations at 345 mg/kg. BTEX concentrations were above NMOCD Action Levels in MW-4 (26 feet bgs) with 175 mg/kg and in MW-8 (26 feet bgs) with 200 mg/kg. Total BTEX concentrations in the remaining soil samples were either below laboratory detection limits or well below the applicable action level of 50 mg/kg total BTEX.

The NMOCD Action Level for TPH (100 mg/kg) was exceeded in five samples, MW-1 at 20 feet bgs (2,820 mg/kg) and 30 feet bgs (2,920 mg/kg), MW-3 at 26 feet bgs (8,100 mg/kg), MW-4 at 26 feet bgs (2,740 mg/kg), and MW-8 at 26 feet bgs (4,300 mg/kg). TPH concentrations in the remaining soil samples were either below laboratory detection limits or well below the applicable action level of 100 mg/kg total TPH.

The analytical results for the soil samples collected during well installation have been tabulated and are presented in Table 1 and on Figure 4. Soil analytical laboratory reports are presented in Appendix A.

5.2 Groundwater

Newly installed monitor wells were developed by AES personnel on February 28, 2009, and the well development form is included in Appendix C.

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 from BMG Highway 537 2006 & 2007 spill MW-7 (located down-gradient from the spill). Monitor wells MW-4 and MW-9 were resampled by AES personnel on April 6, 2009, for confirmation purposes.

5.2.1 Measurement Data

Following depth to water measurement, each well was purged with a disposable bailer until recorded temperature, pH, conductivity, and dissolved oxygen (DO) measurements were stabilized. All data was recorded onto Water Sample Collection Forms. Groundwater temperature ranged from 8.14°C in the downgradient MW-7(Hwy 537 06-07 Spill) to 12.36°C in MW-4 (March). Conductivity ranged from 3.441 mS in the downgradient MW-7(Hwy 537 06-07 Spill) to 6.088 mS in MW-5, and DO was measured between 1.27 mg/L in MW-1 and 5.12 mg/L in MW-9 (March). Although DO was recorded during field activities, it should be noted that due to the use of bailers, the accuracy of dissolved oxygen measurements is

unknown. Oxidation Reduction Potential (ORP) was recorded between -36.1 mV in MW-1 and 25.2 mV in MW-9 (April). Based on groundwater elevation data, the hydraulic gradient was calculated to be approximately 0.006 ft/ft from east to west between MW-10 and MW-8. Depth to groundwater measurements and water quality data are summarized in Table 2, and groundwater elevation contours are presented in Figure 5. Water Sample Collection forms are presented in Appendix D.

5.2.2 Groundwater Analytical Results

Analytical results from groundwater samples collected during the March and April 2009 sampling events show benzene concentrations exceeded the New Mexico Water Quality Control Commission (WQCC) standard of 10 μ g/L in four wells, including MW-1 (310 μ g/L), MW-3 (400 μ g/L), MW-8 (160 μ g/L), and MW-9 (170 μ g/L in March and 82 μ g/L in April). MW-4 had benzene concentrations of 2.7 μ g/L in March and below the detection limit of 1.0 μ g/L in April. Toluene and xylene concentrations exceeded the WQCC standards in MW-3 with concentrations of 1,100 μ g/L and 1,300 μ g/L, respectively. The remaining wells had toluene, ethylbenzene, and xylene concentrations either below laboratory detection limits or well below applicable WQCC standards.

WQCC standards have not been established for TPH. Four wells had gasoline range organic (GRO) concentrations above the laboratory detection limit, including MW-1 (2.1 mg/L), MW-3 (8.2 mg/L), MW-8 (2.1 mg/L), and MW-9 (2.5 mg/L in March and 1.6 mg/L in April). Two wells had diesel range organic (DRO) concentrations above laboratory detection limits, including MW-3 (3.4 mg/L) and MW-8 (1.5 mg/L). Motor oil range organic (MRO) concentrations were below laboratory detection limits in all wells sampled. The analytical results for groundwater samples collected during the March and April 2009 sampling event have been tabulated and are presented in Table 3 and on Figure 6. Groundwater analytical laboratory reports are presented in Appendix E.

6.0 Conclusion and Recommendations

A total of 11 monitor wells were installed by AES between February 16 and 20, 2009. Soils were found to consist of interbedded layers of moist reddish-brown clayey and silty sand, moist reddish-brown silty and sandy clay, poorly sorted tan sands and sandstone, and moist stiff brown clays. Groundwater was found to exist at approximately 13 feet to 28 feet bgs. Soil petroleum hydrocarbon contamination is evident in MW-1 (below the area of excavation), MW-3 (between the truck loading station and the arroyo southeast of the spill), MW-4 (downgradient of the spill), and MW-8 (down-gradient of the spill). Soil contaminant concentrations exceeded NMOCD action levels for total BTEX in MW-1, MW-3, MW-4, and MW-8. Soil concentrations for total TPH exceeded laboratory detection limits in MW-1, MW-3, MW-4, and MW-8. The highest total BTEX concentrations and total TPH concentrations were reported at 345 mg/kg and 8,100 mg/kg, respectively, at 26 feet bgs in MW-3.

Depths to groundwater varied across the site and were observed to exist at about 12.67 to 28.33 feet bgs from the top of the well casing. The groundwater gradient was calculated to be approximately 0.006 ft/ft to the west-southwest between MW-10 and MW-8. A baseline groundwater monitoring and sampling event was conducted by AES on March 5, 2009. The

groundwater analytical results showed that groundwater is impacted above the WQCC standard for benzene in MW-1, MW-3, MW-8, and MW-9. In addition, MW-3 had concentrations of toluene and xylene which exceed the WQCC standards of 750 μ g/L and 620 μ g/L, respectively. Monitor wells MW-1, MW-3, MW-8, and MW-9 had TPH-GRO concentrations above laboratory detection limits. TPH-DRO concentrations were above laboratory detection limits in monitor wells MW-3 and MW-8.

On April 6, 2009, AES personnel conducted groundwater monitoring and sampling on monitor wells MW-4 and MW-9 due to what appeared to be a discrepancy between the soil analytical results (February 2009) and the groundwater analytical results (March 2009). Specifically, soil data showed contamination in MW-4 with total BTEX concentrations of 175 mg/kg and total TPH concentrations of 2,740 mg/kg, while groundwater concentrations of BTEX were below WQCC standards and total TPH concentrations were below laboratory detection limits. In MW-9, soil results showed total BTEX concentrations at 1.128 mg/kg, and groundwater results showed benzene concentrations above the WQCC standard of 10 μ g/L with 170 μ g/L. Total TPH concentrations of the soil in MW-9 were 15 mg/kg (at 28 feet bgs), and groundwater GRO concentrations were 2.5 mg/L. Results of the April 2009 sampling event supported the laboratory analytical results of the March 2009 event. BTEX and total TPH concentrations were below laboratory detection limits in MW-4, while results for MW-9 showed dissolved phase concentrations for benzene at 82 μ g/L, toluene at 62 μ g/L, ethylbenzene at 16 μ g/L, xylene at 210 μ g/L, and TPH-GRO at 1.6 mg/L.

Based upon the results of the March and April 2009 site investigations associated with the Highway 537 2009 Truck Receiving Station spill, both soil and groundwater have been impacted by the release. Groundwater is impacted above the WQCC standard for benzene in MW-1, MW-3, MW-8, and MW-9 and for toluene and xylene in MW-3. Significant petroleum hydrocarbon vapors or visibly stained soil were observed during soil boring/well installation in MW-1, MW-3, MW-4, and MW-8.

Currently, the extent of groundwater contamination has not been defined down-gradient of MW-9. Therefore, AES recommends the installation of three additional monitor wells, which are shown on Figure 7. Additionally, AES recommends remediation of soils and groundwater via mechanical high vacuum extraction. A corrective action plan (CAP) outlining proposed remedial efforts at the site will be prepared and submitted to NMOCD for review after one additional groundwater monitoring and sampling event, which is scheduled for June 2009.

7.0 Certification

I, the undersigned, am personally familiar with the information submitted in this Site Investigation report, prepared on behalf of Benson-Montin-Greer for the February, March, and April 2009 site activities associated with the 2009 Highway 537 Truck Station 2009 spill in Los Ojitos Canyon, Rio Arriba County, New Mexico. I attest that it is true and complete to the best of my knowledge.

Deborah Watson Project Manager

Jelrich Water

Ross Kennemer Environmental Scientist

Elizabeth McNally, P.E.

8.0 References

- Animas Environmental Services, LLC (AES). Sampling and Analysis Plan for Benson-Montin-Greer Drilling Corporation Highway 537 Truck Receiving Station Pipeline Spill-January 2009, Rio Arriba County, New Mexico. February 3, 2009.
- U.S. Environmental Protection Agency (USEPA). 1982. *Methods for Chemical Analysis for Water and Wastes*. Document EPA-600, July, 1982.
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- USEPA. 1997. Expedited Site Assessment Tools for Underground Storage Tank Sites. OSWER 5403G and EPA 510B-97-001, March, 1997.
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TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS BMG HWY 537 TRUCK RECEIVING STATION 2009 SPILL

Rio Arriba County, New Mexico

Sample I.D. Sampled Analytic USEPA Region 6 Screeni MW-1 16-Feb-09 MW-2 17-Feb-09 MW-3 16-Feb-09 MW-3 16-Feb-09 MW-4 17-Feb-09 MW-4 17-Feb-09 MW-4 17-Feb-09 MW-5 17-Feb-09 MW-5 17-Feb-09 MW-5 17-Feb-09 MW-5 17-Feb-09 MW-5 17-Feb-09 MW-5 17-Feb-09		### Renzene ##################################	Toluene (mg/Kg) 8021B 520 50	benzene (ma/Ka)	Xylenes (mg/Kg)	GRO (mg/Kg)	DRO (ma/Ka)	MRO
16-Feb-(17-Feb	(feet) ytical Method sening Levels Action Level 20 30 10	8021B 1.6 1.6 8.1 16 <0.050 <0.050		(ma/Ka)	(mg/Kg)	(mg/Kg)	(ma/Ka)	(ma///m)
MM 16-Feb-(17-Feb-(ytical Method sening Levels Action Level 20 30 10 20	8021B 1.6 1.6 8.1 16 <0.050 <0.050		,		22,00		(gy/gm)
16-Fe 16-Fe 17-Fe 17-Fe 16-Fe 16-Fe 17-Fe 17-Fe 17-Fe 17-Fe	Action Levels 20 30 10 20	8.1 16 <0.050 <0.050		8021B	8021B	80158	8015B	8015B
16-Fe 17-Fe 16-Fe 16-Fe 17-Fe 17-Fe 17-Fe 17-Fe 17-Fe	20 30 10 20	8.1 16 <0.050 <0.050		230	210	NE	NE	NE
	20 30 10 20	8.1 16 <0.050 <0.050 <0.050	43	0			100	
	30 10 20	16 <0.050 <0.050		5.4	55	720	1,400	200
	10	<0.050 <0.050 <0.050 <0.050	12	6.4	89	1,000	1,200	720
	20	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
		<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
	29.5	000.00	<0.050	<0.050	<0.10	<5.0	<10	<50
	10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
	20	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
	26	28	130	17	170	1,400	3,900	2,800
	10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
	20	0.080	<0.050	<0.050	0.12	<5.0	<10	<50
	26	16	59	9.4	91	980	1,100	099
	10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
	20	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
	30	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-6 18-Feb-09	10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-6 18-Feb-09	15	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-7 18-Feb-09	18	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-7 18-Feb-09	29	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-8 18-Feb-09	20	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-8 18-Feb-09	26	21	70	11	98	1,000	2,300	1,000
MW-9 18-Feb-09	20	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-9 18-Feb-09	28	<0.050	0.24	0.058	0.83	15	<10	<50
MW-10 20-Feb-09	25	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
MW-10 20-Feb-09	30	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50

TABLE 1 SUMMARY OF SOIL ANALYTICAL RESULTS BMG HWY 537 TRUCK RECEIVING STATION 2009 SPILL Rio Arriba County, New Mexico

	Date				Ethyl-	Total			
Sample I.D. Sampled	Sampled	Depth	Benzene	Toluene	benzene	Xylenes	GRO	DRO	MRO
		(feet)	(mg/Kg)						
	Ana	Analytical Method	8021B	8021B	8021B	8021B	8015B	8015B	8015B
'ASED'	USEPA Region 6 Screenin	eening Levels	1.6	520	230	210	NE	NE	NE
	NMOCE	NMOCD Action Level		5	50			100	
MW-11	20-Feb-09	28	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50
11-WM	20-Feb-09	34	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50

NOTE: NE = Not Established

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil Range Organics

SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA BMG HWY 537 TRUCK RECEIVING STATION 2009 SPILL **TABLE 2**

Rio Arriba County, New Mexico

Well ID	Date	Depth to	Surveyed	GW Elev.	Temperature	Conductivity	8		ORP
	Sampled	Water (ft)	TOC (ft)	(ft)	(c)	(mS)	(mg/L)	рН	(mV)
MW-1	05-Mar-09	27.95	7064.66	7036.71	12.29	5.231	1.27	6.64	-36.1
MW-2	05-Mar-09	27.69	7064.65	7036.96	12.00	4.567	2.59	6.82	-29.8
MW-3	05-Mar-09	27.16	7064.01	7036.85	12.29	4.310	2.17	99.9	-28.2
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-5	05-Mar-09	28.24	7064.79	7036.55	11.80	6.088	3.89	6.61	-17.3
MW-6	05-Mar-09	12.67	7049.54	7036.87	9.21	4.967	4.30	6.53	4.6
MW-7	06-Mar-09	26.34	7062.80	7036.46	11.40	4.951	2.17	6.50	-3.3
MW-8	06-Mar-09	27.49	7063.27	7035.78	11.91	4.731	2.14	6.40	-4.4
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-10	09-Mar-09	26.25	7063.27	7037.02	10.51	4.572	3.44	6.62	15.6
MW-11	09-Mar-09	28.33	7064.10	7035.77	11.47	5.730	3.52	6.63	17.1
Downgradient MW-7*	09-Mar-09	13.09	7051.30	7038.21	8.14	3.441	4.52	6.49	12.8
OTO I									

NOTE:

NM = NOT MEASURED
NA = NOT AVAILABLE

* = Monitoring Well from HWY 537 '06-'07 spill

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
BMG HWY 537 TRUCK RECEIVING STATION 2009 SPILL

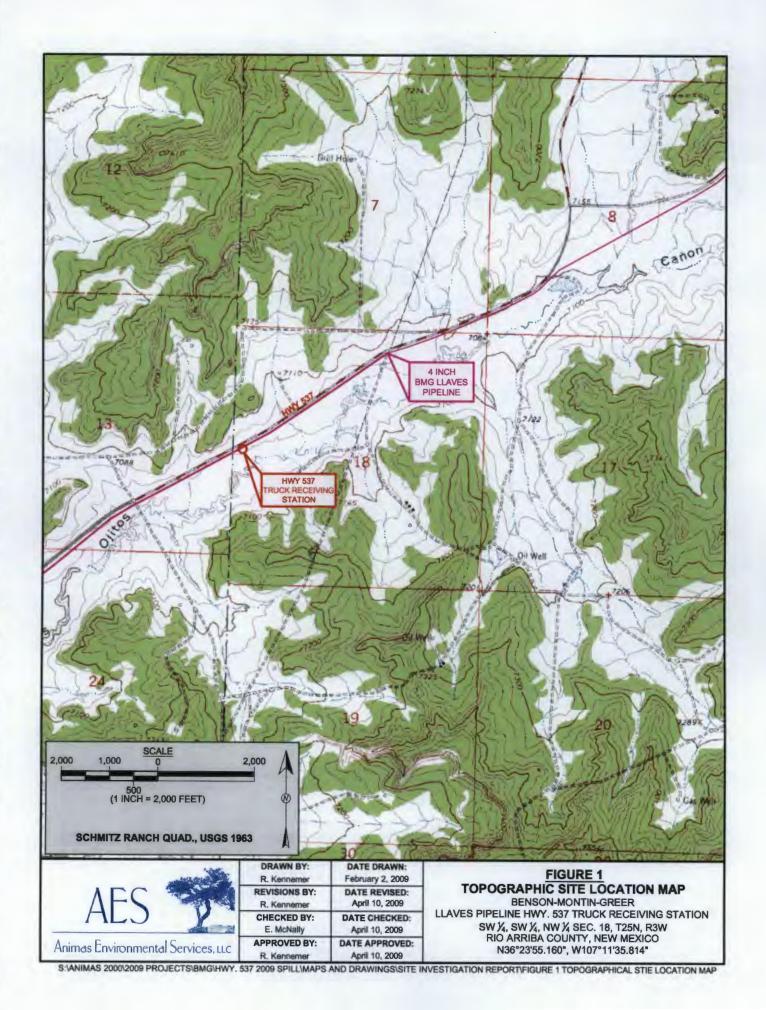
Rio Arriba County, New Mexico

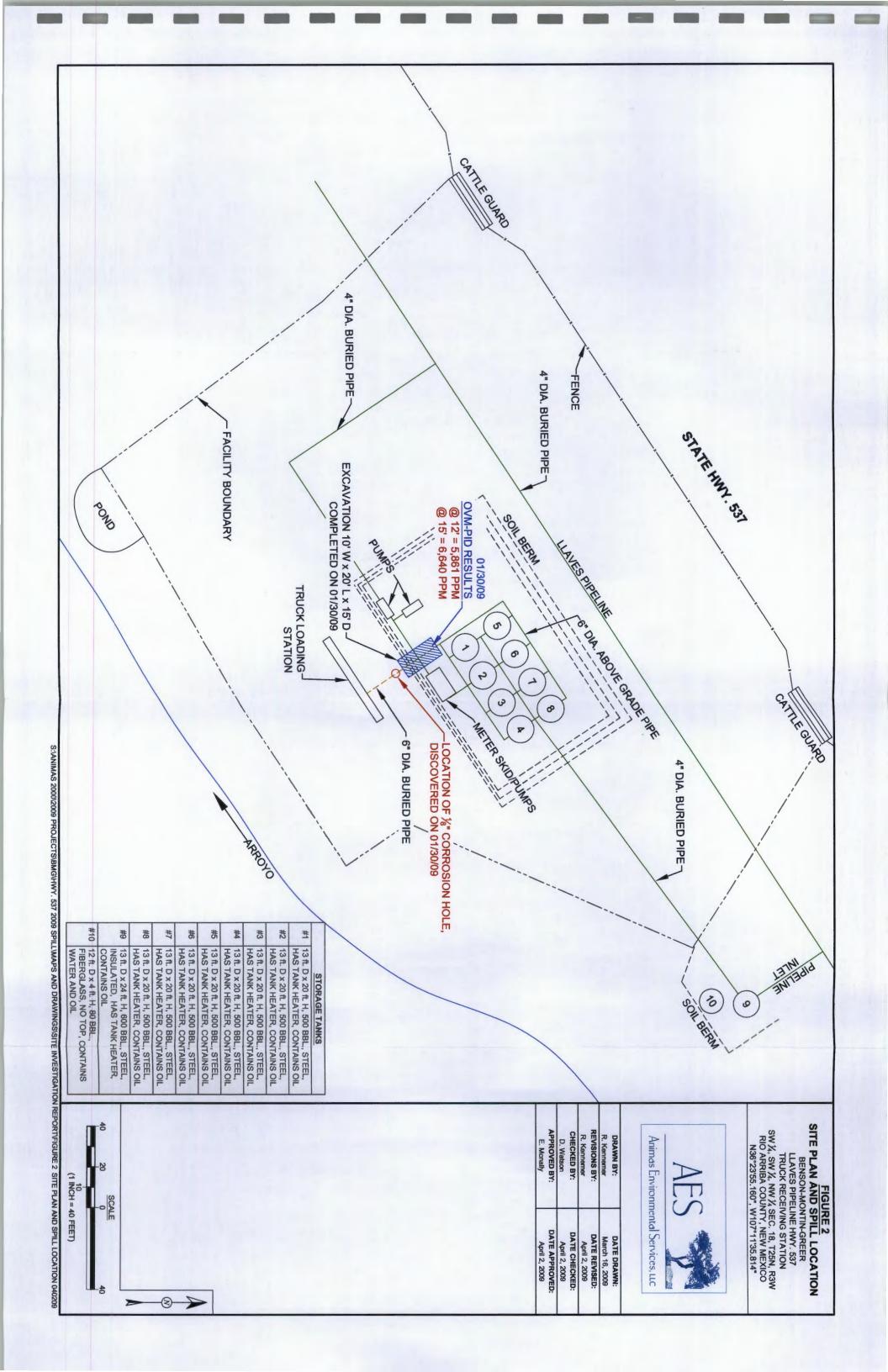
	Date			Ethyl-	Total	ļ**	.,	
Well ID	Sampled	Benzene	Toluene	benzene	Xylenes	GRO	DRO	MRO
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)
Analytical		8021B	8021B	8021B	8021B	8015B	8015B	8015B
New Mexico	WQCC	10	750	750	620	NE	NE	NE
MW-1	05-Mar-09	310	91	5.1	200	2.1	<1.0	<5.0
MW-2	05-Mar-09	<1.0	<1.0	<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-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-5	05-Mar-09	<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-7	06-Mar-09	<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-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-10	09-Mar-09	<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
	50 1110. 50		110	1110	12.0	10.000	~1.0	10.0
Downgradient								
MW-7*	09-Mar-09	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	NC Not Com							

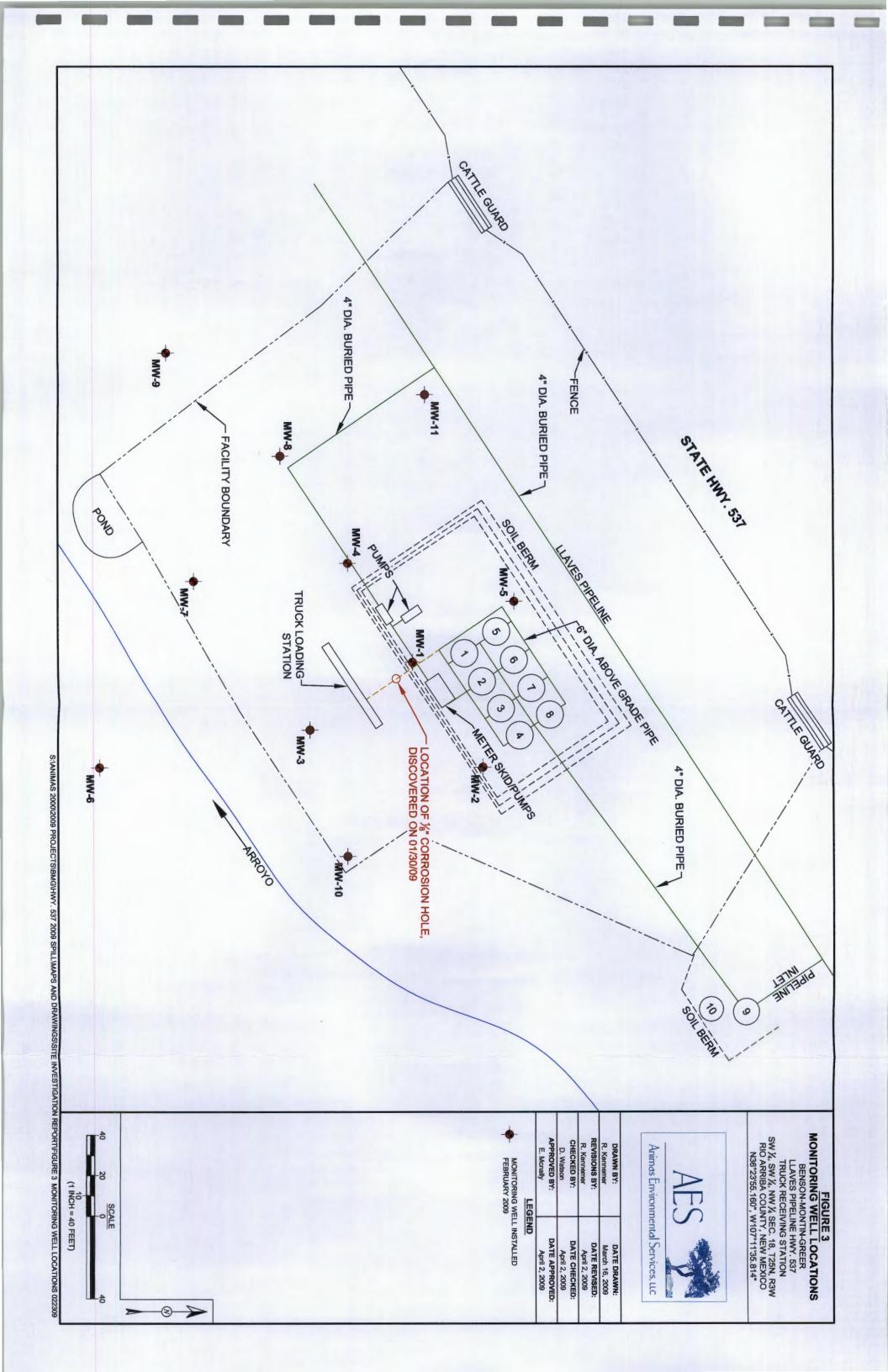
NOTE: NS = Not Sampled

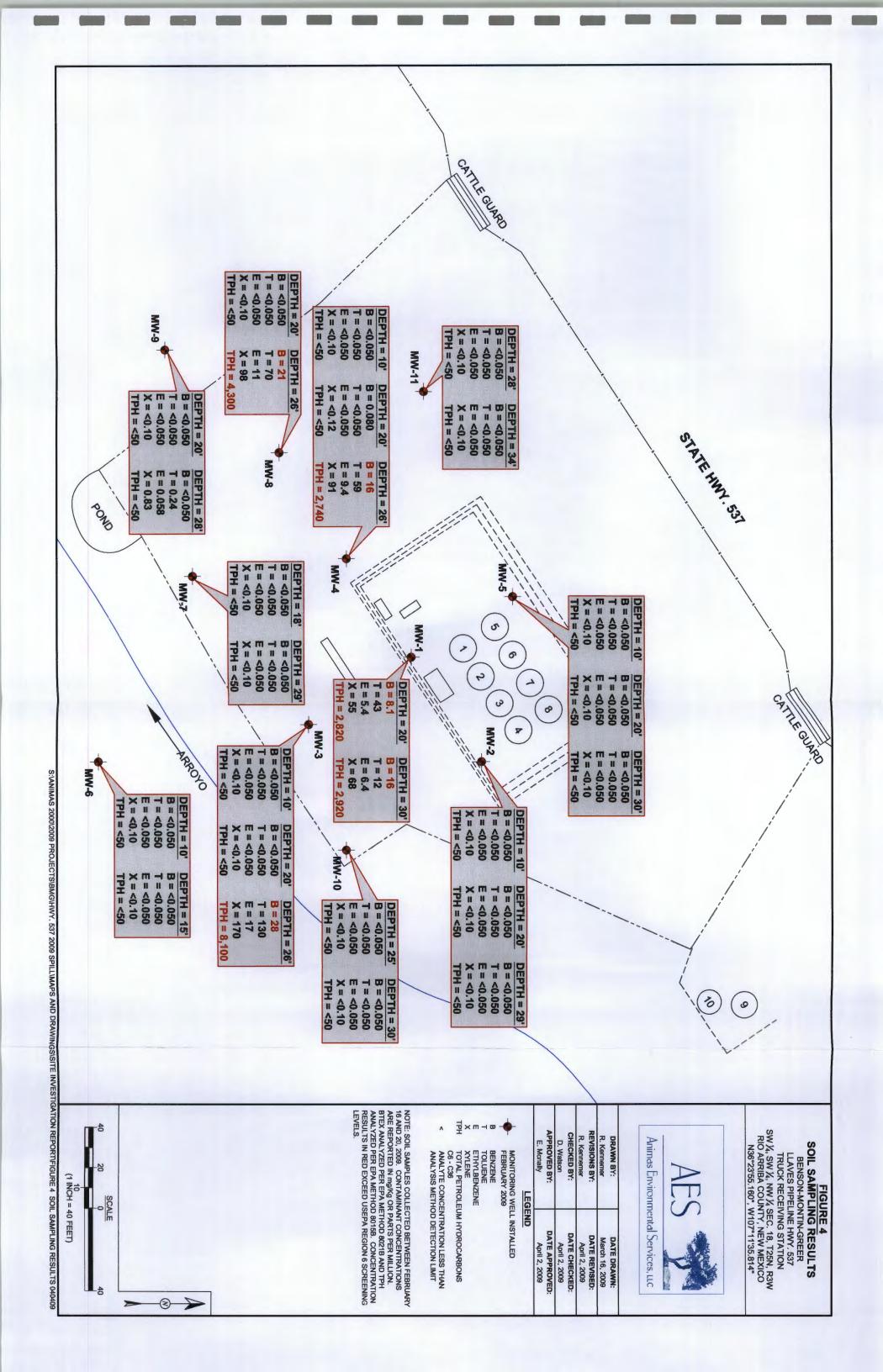
GRO = Gasoline Range Organics DRO = Diesel Range Organics MRO = Motor Oil Range Organics

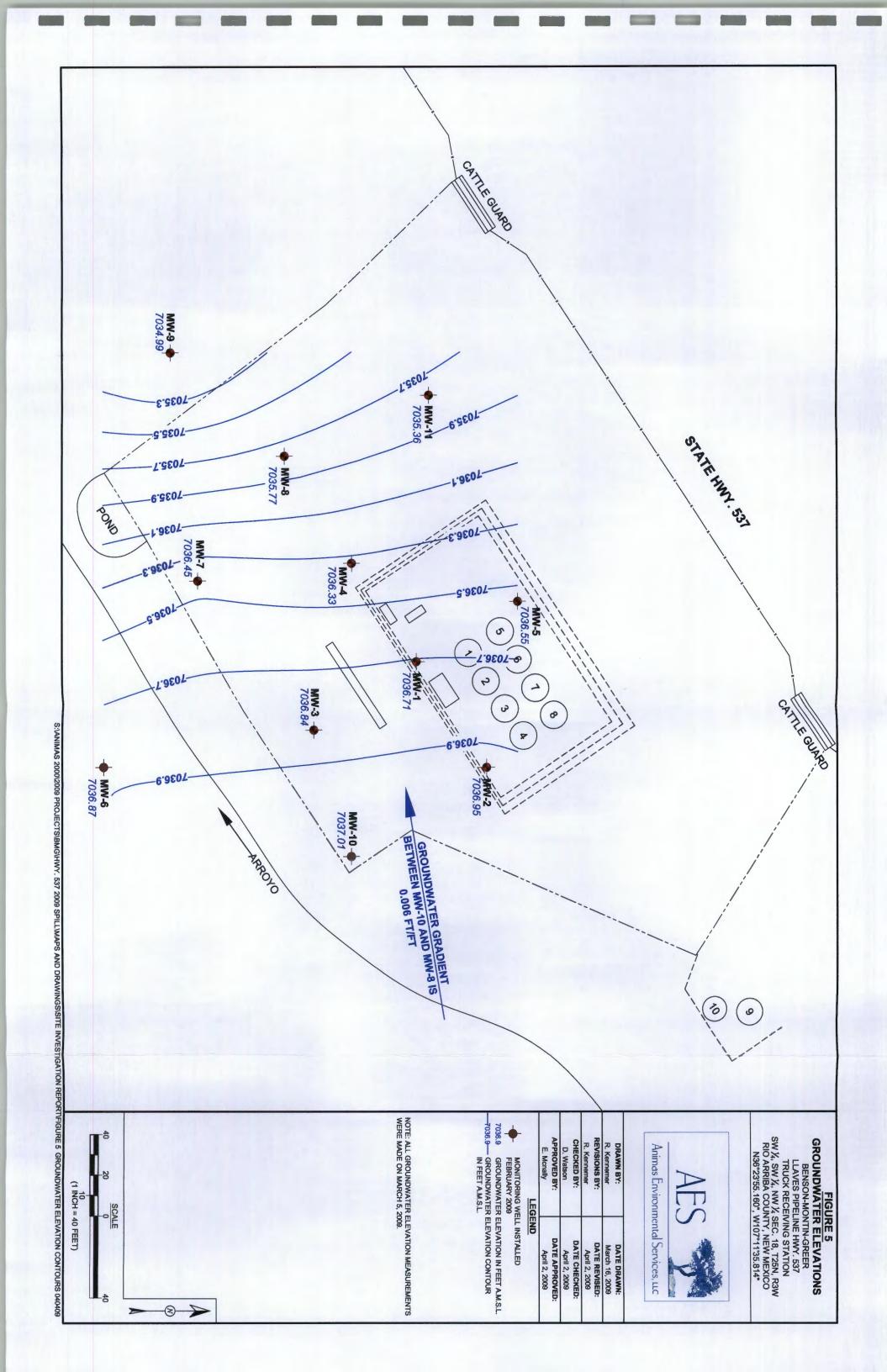
* = Monitoring Well from HWY 537 '06-'07 spill

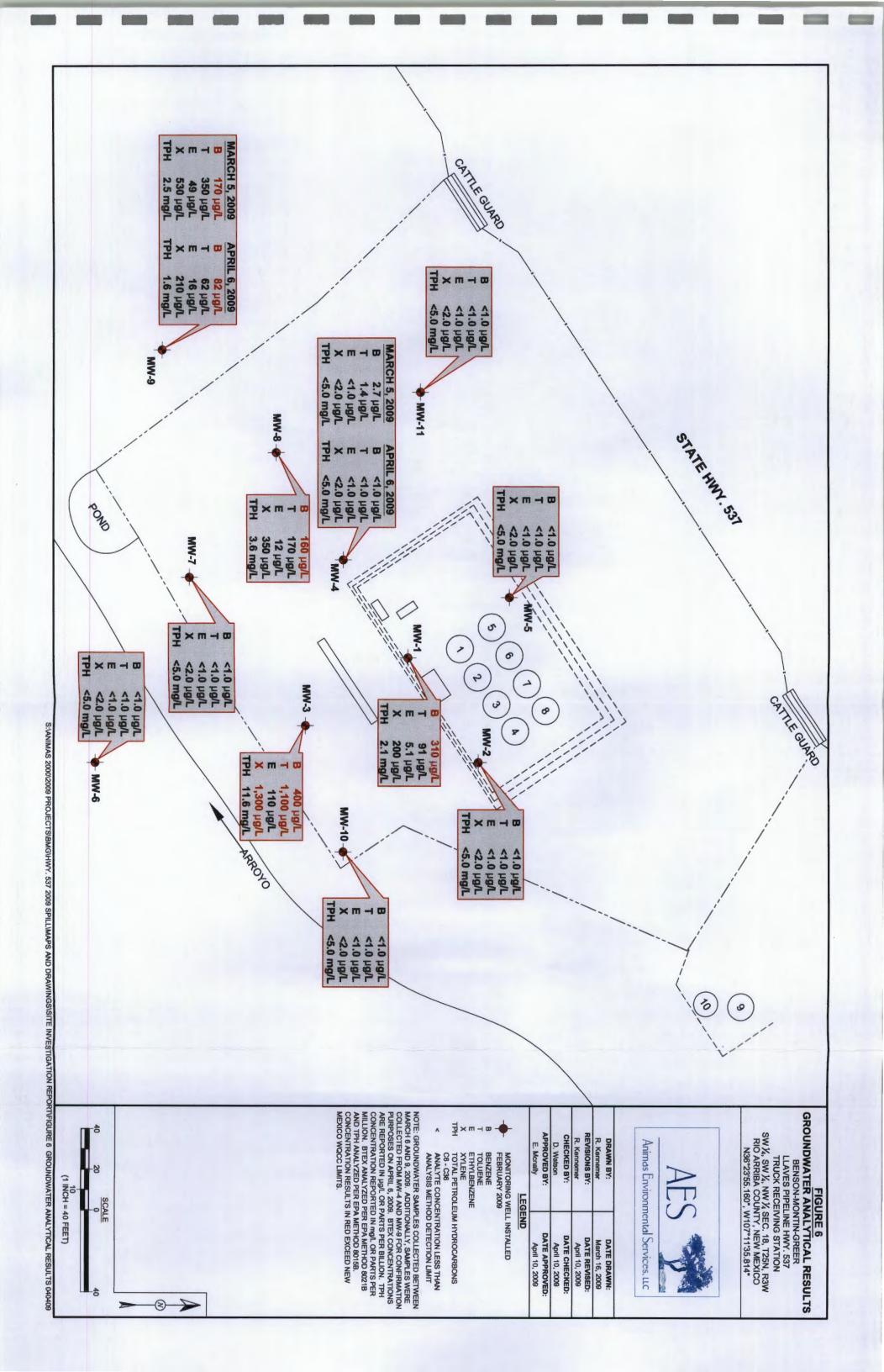


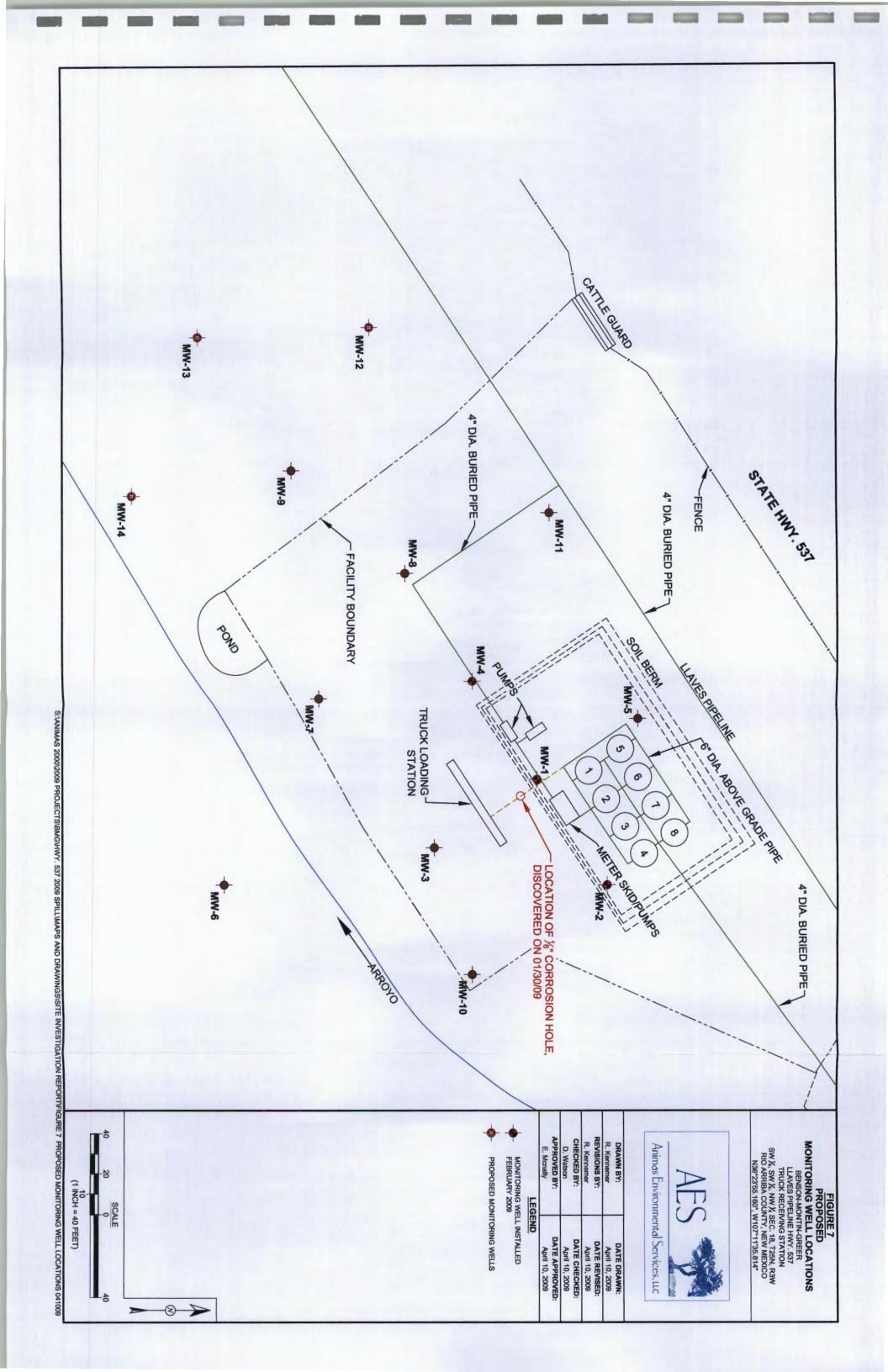














COVER LETTER

Friday, February 06, 2009

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

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

RE: BMG Hwy 537 Truck Station 2009 Spill

Dear Ross Kennemer:

Order No.: 0902009

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/2/2009 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, Business Manager Nancy McDuffie, Laboratory Manager

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



Hall Environmental Analysis Laboratory, Inc.

Date: 06-Feb-09

CLIENT:

Animas Environmental Services

Project:

BMG Hwy 537 Truck Station 2009 Spill

Lab Order:

0902009

CASE NARRATIVE

Analytical Comments for METHOD 8015DRO_S, SAMPLE 0902009-01A: DNOP not recovered due to dilution

Hall Environmental Analysis Laboratory, Inc.

Date: 06-Feb-09

CLIENT:

Animas Environmental Services

Lab Order:

0902009

BMG Hwy 537 Truck Station 2009 Spill

Client Sample ID: Excavation Base @ 15'

Collection Date: 1/30/2009 11:55:00 AM

Project:

Lab ID:

0902009-01

Date Received: 2/2/2009

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	9100	200		mg/Kg	20	2/4/2009
Motor Oil Range Organics (MRO)	2300	1000		mg/Kg	20	2/4/2009
Surr: DNOP	0	61.7-135	S	%REC	20	2/4/2009
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: DAM
Gasoline Range Organics (GRO)	8900	5000		mg/Kg	1000	2/5/2009 4:38:18 PM
Surr: BFB	85.9	58.8-123		%REC	1000	2/5/2009 4:38:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	170	50		mg/Kg	1000	2/5/2009 4:38:18 PM
Toluene	730	50		mg/Kg	1000	2/5/2009 4:38:18 PM
Ethylbenzene	67	50		mg/Kg	1000	2/5/2009 4:38:18 PM
Xylenes, Total	690	100		mg/Kg	1000	2/5/2009 4:38:18 PM
Surr: 4-Bromofluorobenzene	83.5	66.8-139		%REC	1000	2/5/2009 4:38:18 PM

Qualifiers:

Spike recovery outside accepted recovery limits

MCL Maximum Contaminant Level

RL Reporting Limit

Page 1 of 1

Value exceeds Maximum Contaminant Level

Estimated value Ε

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Date: 06-Feb-09

QA/QC SUMMARY REPORT

Client:

Animas Environmental Services

Project:

BMG Hwy 537 Truck Station 2009 Spill

Work Order:

0902009

Analyte	Result	Units	PQL	%Rec	LowLimit	Highl	_imit	%RPD	RPDI	imit Qua	al
Method: EPA Method 8015B: D	iesel Range	•			Datab	ID.	40047	Anabaia D	-4		0/4/000
Sample ID: MB-18217		MBLK			Batch	ID.	18217	Analysis Da	ate.		2/4/2009
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50		Datak	LD.	40047	Anabaia D			0/4/000
Sample ID: LCS-18217		LCS			Batch		18217	Analysis Da	ate:		2/4/2009
Diesel Range Organics (DRO)	43.68	mg/Kg	10	87.4	64.6	116					
Sample ID: LCSD-18217		LCSD			Batch		18217	Analysis Da	ate:		2/4/2009
Diesel Range Organics (DRO)	44.68	mg/Kg	10	89.4	64.6	116		2.26	17.4		
Method: EPA Method 8015B: G	asoline Ran	ge									
Sample ID: MB-18223		MBLK			Batch	ID:	18223	Analysis Da	ate:	2/5/2009	5:39:05 PM
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-18223		LCS			Batch	ID:	18223	Analysis Da	ite:	2/5/2009	6:09:33 PM
Gasoline Range Organics (GRO)	29.60	mg/Kg	5.0	116	64.4	133					
Sample ID: LCSD-18223		LCSD			Batch	ID:	18223	Analysis Da	ite:	2/5/2009	6:39:49 PM
Gasoline Range Organics (GRO)	29.17	mg/Kg	5.0	114	69.5	120		1.46	11.6		
Method: EPA Method 8021B: Vo	olatiles										
Sample ID: MB-18223		MBLK			Batch	ID:	18223	Analysis Da	ite:	2/5/2009	5:39:05 PM
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0,10								
Sample ID: LCS-18223		LCS			Batch	ID:	18223	Analysis Da	ite:	2/5/2009	7:10:16 PM
Benzene	1.027	mg/Kg	0.050	102	78.8	132					
Toluene	1.067	mg/Kg	0.050	107	78.9	112					
Ethylbenzene	1.130	mg/Kg	0.050	113	69.3	125					
Xylenes, Total	3.395	mg/Kg	0.10	113	73	128					
Sample ID: LCSD-18223		LCSD			Batch	ID:	18223	Analysis Da	te:	2/5/2009	7:40:45 PM
Benzene	1.003	mg/Kg	0.050	100	78.8	132		2.44	27		
Toluene	1.030	mg/Kg	0.050	103	78.9	112		3.61	19		
Ethylbenzene	1.107	mg/Kg	0.050	111	69.3	125		2.05	10		
,											

Qualifiers:

R RPD outside accepted recovery limits

S Spike recovery outside accepted recovery limits

Page 1

E Estimated value

J Analyte detected below quantitation limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

	Sample Receipt Ch	necklist		
Client Name ANIMAS ENVIRONMENTAL		Date Received:	2/2/	2009
Work Order Number 0902009	\	Received by:	TLS	٨
Checklist completed by: Signature	22 Date	Sample ID labels	checked by: Initials	<u>X</u>
Matrix: Car	rrier name <u>Greyhound</u>			
Shipping container/cooler in good condition?	Yes 🗹	No 🗌 Not	Present	
Custody seals intact on shipping container/cooler?	Yes 🗹	No 🗌 Not	Present Not S	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	A 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?	5°	<6° C Acceptable		
COMMENTS:		If given sufficient time	to cool.	
	======	======	=====	=====
Client contacted Date contact	acted:	Person cor	ntacted	
Contacted by: Regarding	;·			
Comments:				
· · · · · · · · · · · · · · · · · · ·				
Corrective Action				

HALL ENVIRONMENTAL	ANALYSIS LABORATORY						Ceron	-36 (N 10)) selddu8 ii∕	'									Q.	
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			4901	Tel.					BTEX + MTB	1			-	+	+	+	-	-	Remarks:	2
						()	S08) s's	E + TMI	BTEX + MTB					7	\neg	+	_		Rem	'
Turn-Around Time:	X Standard Rush	Project Name: BAG HUY 537 TWK Station	11,'6	Project #:		Project Manager:	len	Sampler: 1KoSSKen11 CMC	Container Preservative HEAL No. Type and # Type	Metry Hess. moth/4°C									Received by: 1441	Time: Relinquished by: Receil/red by
Chain-of-Custody Record	Client: Animas Environmental		E. Conorche		1822-1	224-702 5	☐ Level 4 (Full Validation)		Sample Request ID	Excavation base a 151		_							Relinquished by:	Relinquished 6y:
ain-of	rimas 6		Address: 624 E.	rate	595	. r	ackage: ard	Type)	Time	1155									Time: 0₹0	Time:
ပ်	Client: \mathcal{A}		Address:	Farmin	Phone #:	email or Fax#:	OA/OC Package: XStandard	☐ Other☐ EDD (Type)	Date	1-30-09									Date:	Date:



COVER LETTER

Monday, February 23, 2009

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

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

RE: BMG HWY 537 Truck Receiving Station Spill 2009

Dear Ross Kennemer:

Order No.: 0902192

Hall Environmental Analysis Laboratory, Inc. received 14 sample(s) on 2/18/2009 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, Rusmess Manager Nancy McDuffie, Laboratory Manager

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



Hall Environmental Analysis Laboratory, Inc.

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Lab Order:

0902192

CASE NARRATIVE

Analytical Comments for METHOD 8015DRO_S, SAMPLE 0902192-03A: DNOP not recovered due to dilution

Hall Environmental Analysis Laboratory, Inc.

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-3 @ 10'

Lab Order:

0902192

Collection Date: 2/16/2009 11:25:00 AM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-01

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	93.4	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAI	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2009 4:19:14 PM
Surr: BFB	96.1	58.8-123	%REC	1	2/20/2009 4:19:14 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/20/2009 4:19:14 PM
Toluene	ND	0.050	mg/Kg	1	2/20/2009 4:19:14 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2009 4:19:14 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/20/2009 4:19:14 PM
Surr: 4-Bromofluorobenzene	94.5	66.8-139	%REC	1	2/20/2009 4:19:14 PM

Qualifiers	Q	นล	lif	ie	S
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Value exceeds Maximum Contaminant Level

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 1 of 14

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-3 @ 20'

Lab Order:

0902192

Collection Date: 2/16/2009 11:40:00 AM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-02

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	92.5	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	GE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2009 4:49:40 PM
Surr: BFB	95.6	58.8-123	%REC	1	2/20/2009 4:49:40 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/20/2009 4:49:40 PM
Toluene	ND	0.050	mg/Kg	1	2/20/2009 4:49:40 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2009 4:49:40 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/20/2009 4:49:40 PM
Surr: 4-Bromofluorobenzene	95.7	66.8-139	%REC	1	2/20/2009 4:49:40 PM

- 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

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-3 @ 26'

Lab Order:

0902192

Collection Date: 2/16/2009 11:53:00 AM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-03

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	3900	500		mg/Kg	50	2/21/2009
Motor Oil Range Organics (MRO)	2800	2500		mg/Kg	50	2/21/2009
Surr: DNOP	0	61.7-135	S	%REC	50	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	NGE					Analyst: DAM
Gasoline Range Organics (GRO)	1400	500		mg/Kg	100	2/20/2009 5:20:04 PM
Surr: BFB	92.3	58.8-123		%REC	100	2/20/2009 5:20:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	28	5.0		mg/Kg	100	2/20/2009 5:20:04 PM
Toluene	130	5.0		mg/Kg	100	2/20/2009 5:20:04 PM
Ethylbenzene	17	5.0		mg/Kg	100	2/20/2009 5:20:04 PM
Xylenes, Total	170	10		mg/Kg	100	2/20/2009 5:20:04 PM
Surr: 4-Bromofluorobenzene	93.9	66.8-139		%REC	100	2/20/2009 5:20:04 PM

- * 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

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-1 @ 20'

Lab Order:

0902192

Collection Date: 2/16/2009 3:25:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-04

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	1400	100	mg/Kg	10	2/21/2009
Motor Oil Range Organics (MRO)	700	500	mg/Kg	10	2/21/2009
Surr: DNOP	116	61.7-135	%REC	10	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	720	500	mg/Kg	100	2/20/2009 9:26:19 PM
Surr: BFB	89.1	58.8-123	%REC	100	2/20/2009 9:26:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	8.1	5.0	mg/Kg	100	2/20/2009 9:26:19 PM
Toluene	43	5.0	mg/Kg	100	2/20/2009 9:26:19 PM
Ethylbenzene	5.4	5.0	mg/Kg	100	2/20/2009 9:26:19 PM
Xylenes, Total	55	10	mg/Kg	100	2/20/2009 9:26:19 PM
Surr: 4-Bromofluorobenzene	81.5	66.8-139	%REC	100	2/20/2009 9:26:19 PM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-1 @ 30'

Lab Order:

0902192

Collection Date: 2/16/2009 3:40:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-05

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	1200	100		mg/Kg	10	2/21/2009
Motor Oil Range Organics (MRO)	720	500		mg/Kg	10	2/21/2009
Surr: DNOP	106	61.7-135		%REC	10	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: DAM
Gasoline Range Organics (GRO)	1000	50		mg/Kg	10	2/20/2009 10:27:09 PM
Surr: BFB	182	58.8-123	S	%REC	10	2/20/2009 10:27:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	16	0.50		mg/Kg	10	2/20/2009 10:27:09 PM
Toluene	12	0.50		mg/Kg	10	2/20/2009 10:27:09 PM
Ethylbenzene	6.4	0.50		mg/Kg	10	2/20/2009 10:27:09 PM
Xylenes, Total	68	1.0		mg/Kg	10	2/20/2009 10:27:09 PM
Surr: 4-Bromofluorobenzene	105	66.8-139		%REC	10	2/20/2009 10:27:09 PM

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-4 @ 10'

Lab Order:

0902192

Collection Date: 2/17/2009 9:30:00 AM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-06

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS		***		Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	91.6	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAM	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2009 11:28:08 PM
Surr: BFB	101	58.8-123	%REC	1	2/20/2009 11:28:08 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/20/2009 11:28:08 PM
Toluene	ND	0.050	mg/Kg	1	2/20/2009 11:28:08 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2009 11:28:08 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/20/2009 11:28:08 PM
Surr: 4-Bromofluorobenzene	100	66.8-139	%REC	1	2/20/2009 11:28:08 PM

- 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

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-4 @ 20'

Lab Order:

0902192

Collection Date: 2/17/2009 9:41:00 AM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-07

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	91.7	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2009 11:58:35 PM
Surr: BFB	89.2	58.8-123	%REC	1	2/20/2009 11:58:35 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	0.080	0.050	mg/Kg	1	2/20/2009 11:58:35 PM
Toluene	ND	0.050	mg/Kg	1	2/20/2009 11:58:35 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2009 11:58:35 PM
Xylenes, Total	0.12	0.10	mg/Kg	1	2/20/2009 11:58:35 PM
Surr: 4-Bromofluorobenzene	86.5	66.8-139	%REC	1	2/20/2009 11:58:35 PM

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-4 @ 26'

Lab Order:

0902192

Collection Date: 2/17/2009 10:00:00 AM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-08

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	1100	100	mg/Kg	10	2/21/2009
Motor Oil Range Organics (MRO)	660	500	mg/Kg	10	2/21/2009
Surr: DNOP	105	61.7-135	%REC	10	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	980	500	mg/Kg	100	2/21/2009 12:28:57 AM
Surr: BFB	93.1	58.8-123	%REC	100	2/21/2009 12:28:57 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	16	5.0	mg/Kg	100	2/21/2009 12:28:57 AM
Toluene	59	5.0	mg/Kg	100	2/21/2009 12:28:57 AM
Ethylbenzene	9.4	5.0	mg/Kg	100	2/21/2009 12:28:57 AM
Xylenes, Total	91	10	mg/Kg	100	2/21/2009 12:28:57 AM
Surr: 4-Bromofluorobenzene	91.5	66.8-139	%REC	100	2/21/2009 12:28:57 AM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-5 @ 10'

Lab Order:

0902192

Collection Date: 2/17/2009 12:05:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-09

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	90.9	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2009 1:29:54 AM
Surr: BFB	97.9	58.8-123	%REC	1	2/21/2009 1:29:54 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/21/2009 1:29:54 AM
Toluene	ND	0.050	mg/Kg	1	2/21/2009 1:29:54 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2009 1:29:54 AM
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2009 1:29:54 AM
Surr: 4-Bromofluorobenzene	102	66.8-139	%REC	1	2/21/2009 1:29:54 AM

- Value exceeds Maximum Contaminant Level
- Estimated value E
- Analyte detected below quantitation limits

Spike recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

- Analyte detected in the associated Method Blank Holding times for preparation or analysis exceeded Η
- MCL Maximum Contaminant Level
- RL Reporting Limit

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-5 @ 20'

Lab Order:

0902192

Collection Date: 2/17/2009 12:19:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-10

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGI	E ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/21/2009
Surr: DNOP	92.7	61.7-135	(%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	r	mg/Kg	1	2/21/2009 2:00:16 AM
Surr: BFB	89.7	58.8-123	•	%REC	1	2/21/2009 2:00:16 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050	r	mg/Kg	1	2/21/2009 2:00:16 AM
Toluene	ND	0.050	r	mg/Kg	1	2/21/2009 2:00:16 AM
Ethylbenzene	ND	0.050	r	ng/Kg	1	2/21/2009 2:00:16 AM
Xylenes, Total	ND	0.10	r	mg/Kg	1	2/21/2009 2:00:16 AM
Surr: 4-Bromofluorobenzene	89.1	66.8-139	q	%REC	1	2/21/2009 2:00:16 AM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-5 @ 30'

Lab Order:

0902192

Collection Date: 2/17/2009 12:35:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-11

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	92.4	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	GE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2009 2:30:37 AM
Surr: BFB	92.9	58.8-123	%REC	1	2/21/2009 2:30:37 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/21/2009 2:30:37 AM
Toluene	ND	0.050	mg/Kg	1	2/21/2009 2:30:37 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2009 2:30:37 AM
Xylenes, Total	ND	0.10	mg/Kg	· 1	2/21/2009 2:30:37 AM
Surr: 4-Bromofluorobenzene	93.9	66.8-139	%REC	1	2/21/2009 2:30:37 AM

Qua	lifiers
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Value exceeds Maximum Contaminant Level

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 11 of 14

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-2 @ 10'

Lab Order:

0902192

Collection Date: 2/17/2009 3:12:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-12

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	96.2	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAI	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2009 3:01:11 AM
Surr: BFB	93.9	58.8-123	%REC	1	2/21/2009 3:01:11 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/21/2009 3:01:11 AM
Toluene	ND	0.050	mg/Kg	1	2/21/2009 3:01:11 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2009 3:01:11 AM
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2009 3:01:11 AM
Surr: 4-Bromofluorobenzene	96.4	66.8-139	%REC	1	2/21/2009 3:01:11 AM

- 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

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-2 @ 20'

Lab Order:

0902192

Collection Date: 2/17/2009 3:27:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-13

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Uni	its	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/l	Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/l	Kg	1	2/21/2009
Surr: DNOP	94.6	61.7-135	%RE	EC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/l	Kg	1	2/21/2009 3:31:43 AM
Surr: BFB	92.2	58.8-123	%RE	EC	1	2/21/2009 3:31:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050	mg/h	(g	1	2/21/2009 3:31:43 AM
Toluene	ND	0.050	mg/h	(g	1	2/21/2009 3:31:43 AM
Ethylbenzene	ND	0.050	mg/k	(g	1	2/21/2009 3:31:43 AM
Xylenes, Total	ND	0.10	mg/k	(g	1	2/21/2009 3:31:43 AM
Surr: 4-Bromofluorobenzene	94.3	66.8-139	%RE	С	1	2/21/2009 3:31:43 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

Date: 23-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-2 @ 29.5'

Lab Order:

0902192

Collection Date: 2/17/2009 3:37:00 PM

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Date Received: 2/18/2009

Lab ID:

0902192-14

Analyses	Result	PQL (Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	94.7	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2009 7:35:31 AM
Surr: BFB	94.2	58.8-123	%REC	1	2/21/2009 7:35:31 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/21/2009 7:35:31 AM
Toluene	ND	0.050	mg/Kg	1	2/21/2009 7:35:31 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2009 7:35:31 AM
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2009 7:35:31 AM
Surr: 4-Bromofluorobenzene	96.6	66.8-139	%REC	1	2/21/2009 7:35:31 AM

- 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

Value exceeds Maximum Contaminant Level

Date: 23-Feb-09

QA/QC SUMMARY REPORT

Client:

Animas Environmental Services

Project:

BMG HWY 537 Truck Receiving Station Spill 2

Work Order:

0902192

Analyte	Result	Units	PQL	%Rec	Lowl imit	HighLimit	%RPD	ppr	DLimit Qual
Analyte	Resuit	Units	FUL	70Rec	LOWLINK	пуныни	70KFU	ארנ	Junii Quai
Method: EPA Method 8015B: D	iesel Range	•							
Sample ID: MB-18363		MBLK			Batch	ID: 18363	Analysis D	ate:	2/21/20
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-18363		LCS			Batch	ID: 18363	Analysis D	ate:	2/21/20
Diesel Range Organics (DRO)	48.15	mg/Kg	10	96.3	64.6	116			
Sample ID: LCSD-18363		LCSD			Batch	ID: 18363	Analysis D	ate:	2/21/200
Diesel Range Organics (DRO)	49.39	mg/Kg	10	98.8	64.6	116	2.54	17.	4
Method: EPA Method 8015B: G	asoline Ran	ge							
Sample ID: MB-18347		MBLK			Batch	ID: 18347	Analysis D	ate:	2/21/2009 5:03:23 A
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-18347		LCS			Batch I	D: 18347	Analysis D	ate:	2/20/2009 6:21:02 P
Gasoline Range Organics (GRO)	28.81	mg/Kg	5.0	111	64.4	133			
Sample ID: LCSD-18347		LCSD			Batch I	D: 18347	Analysis D	ate:	2/20/2009 6:51:38 P
Gasoline Range Organics (GRO)	31.27	mg/Kg	5.0	121	64.4	133	8.19	11.	6
Method: EPA Method 8021B: Vo	olatiles								
Sample ID: MB-18347		MBLK			Batch I	D: 18347	Analysis D	ate:	2/21/2009 5:03:23 A
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: LCS-18347		LCS			Batch i	D: 18347	Analysis Da	ate:	2/21/2009 4:02:19 Af
Benzene	0.9602	mg/Kg	0.050	94.5	78.8	132			
Toluene	0.9806	mg/Kg	0.050	97.4	78.9	112			
Ethylbenzene	1.054	mg/Kg	0.050	105	69.3	125			
Xylenes, Total	3.184	mg/Kg	0.10	106	73	128			
Sample ID: LCSD-18347		LCSD			Batch I	D: 18347	Analysis Da	ate:	2/21/2009 4:32:47 AM
Benzene	0.9866	mg/Kg	0.050	97.1	78.8	132	2.71	27	
Toluene	1.018	mg/Kg	0.050	101	78.9	112	3.75	19	
Ethylbenzene	1.115	mg/Kg	0.050	111	69.3	125	5.62	10	
(ylenes, Total	3.349	mg/Kg	0.10	112	73	128	5.07	13	

Qua	lifiers
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E Estimated value

R RPD outside accepted recovery limits

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Page 1

J Analyte detected below quantitation limits

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL				Date Receive	d:	2/18/2009	
Work Order Number 0902192				Received by	: ARS	£	
	X)		0/10	Sample ID la	bels checked by:		
Checklist completed by: Signature			Date	8109		Initials	
Matrix:	Carrier name:	Grey	yhound				
Shipping container/cooler in good condition?		Yes	\checkmark	No 🗌	Not Present \square		
Custody seals intact on shipping container/coo	ler?	Yes	\checkmark	No 🗌	Not Present	Not Shipped	
Custody seals intact on sample bottles?		Yes	\checkmark	No 🗆	N/A		
Chain of custody present?		Yes	~	No 🗌			
Chain of custody signed when relinquished and	d received?	Yes	\checkmark	No 🗌			
Chain of custody agrees with sample labels?		Yes	\checkmark	No 🗌			
Samples in proper container/bottle?		Yes	\checkmark	No 🗌			
Sample containers intact?		Yes	\checkmark	No 🗆	•		
Sufficient sample volume for indicated test?		Yes	\checkmark	No 🗆			
All samples received within holding time?		Yes	\checkmark	No 🗆			
Water - VOA vials have zero headspace?	No VOA vials subm	itted	✓	Yes 🗌	No 🗌		
Water - Preservation labels on bottle and cap n	natch?	Yes		No 🗆	N/A 🗹		
Water - pH acceptable upon receipt?		Yes		No 🗆	N/A 🗹		
Container/Temp Blank temperature?			4°	<6° C Acceptable	9		
COMMENTS:				If given sufficient	time to cool.		
			===				
Client contacted	Date contacted:			Perso	on contacted		
Contacted by:	Regarding:						
Comments:							
Corrective Action							
Corrective Action							

Chain-of-Custody Record Turn-Around Time: Client: An investment of Standard Bush Standard Bush	Project Name:	S S S	401 Project#:	107010	(\psi_(\psi_\)	Ross Kennement (8021 (80	Sampler: Ross Krynener/Delgie Warson PH (G) (1)	BE + T 18015i d 418. d 504. ides / 8 ides / 8		i Meth Pres Meth 40 C I X X	2		The last of the la	MW-1@30' 5 X		*	4026	MW-5@10' 9 K K	MW-5@ 20' /	MW-5@30' / / / X	by: Received by Date, Time Remarks:		ar Warm 15:33 2/18/09 8021 pick only
			401	Phone #: 505 - 564 - 2281	Proje	Rc				soil MW-3@10' Meth	_	MW-3@261	MW-L@20'	MW-1@30'	MW-40101	MW-4820'	MW-4@26"	MW-5 @ 10'	MW-5@ 20'	4 MW-5@30'	Relinguished by:	n Watson	Relinquished by:
Client: Ala 1940C		Mailing Address:	Farming	Phone #: 505	email or Fax#:	OA/OC Package: Standard	□ Other	□ EDD (Type)_	Date Time	2/1409 1125	2/16/09/1140	16/09/1153	16/09 1525	116/09 1540	2/11/09 0930	2/11/09 0941	2 17/19 1000	2 11/09 1205	2/11/09 1219	2/1/09 1235	Date: Time:	01 0840	Date: Time:

FNTAI	HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 45-3975 Fax 505-345-4107 Analysis Regulast					796	,		Air Bubbles (
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Ö	AB	www.hallenvironmental.com	S, NM	505-345-4107	1637				AOV) 80828						1				
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			4901 Hawkins NE -	Tel. 505-345-3975					TPH Method										
			49	F					BTEX + MTE			•)		_	$\perp \perp$			Remarks 8024	
					((1508)	NB's		ETEX X3T8	1 1	*	×		+	-	++	+	Re	
Turn-Around Time:	也 Standard □ Rush	BAG-HWY 537 Truck Receiving	Statuon 2009 Spull	Project #:	Project Manager:	Ross Kennemer	Sampler. Ross Komenner/Delbut Watson	Omlog, grivas Sample Temperatur	Container Preservative Type and # Type	Metaper Methy oc 12	() () 13	H 7						Received by 15.33 2 18 69	Received by: Date Time
<u> </u>	Ē	F 100	•	<u> </u>	Pro		Sa	ā , , ,	0.5	(D.				-				Rec	Rec
Chain-of-Custody Record	Animas Environmental	(Malling Address: 624 E. Comanche	0-11	077 - LOC	□ Level 4 (Full Validation)			Matrix Sample Request ID	soul MW-2@10'		L MW-2029.51						Schroulshed by: Schroul Water	Relinquished by:
Jain-c	MIN	Ser	ddress:	Farmington,	Cuc-	ackage:		Type)	Time	1512		09 1537						ш	Time: R
<u>ت</u>	Client:	Meilier	Mailing A	FAVMINE Phone # Cou	email or Fax#:	QA/CC Package: Standard	□ Other	□ EDD (Type)	Date	2/17/09	417 09 1527	217091	-					19	Date:



COVER LETTER

Wednesday, February 25, 2009

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

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

RE: BMG HWY 537 Truck Receiving Station 2009 Spill

Dear Ross Kennemer:

Order No.: 0902208

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 2/19/2009 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, Business Manager Nancy McDuffie, Laboratory Manager

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



Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-6 @ 10'

Lab Order:

0902208

Collection Date: 2/18/2009 8:52:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/19/2009

Lab ID:

0902208-01

Matrix: MEOH (SOIL)

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	92.9	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/23/2009 6:32:44 PM
Surr: BFB	88.6	58.8-123	%REC	1	2/23/2009 6:32:44 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/23/2009 6:32:44 PM
Toluene	ND	0.050	mg/Kg	1	2/23/2009 6:32:44 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/23/2009 6:32:44 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/23/2009 6:32:44 PM
Surr: 4-Bromofluorobenzene	86.3	66.8-139	%REC	1	2/23/2009 6:32:44 PM

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

Page 1 of 8

Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-6 @ 15'

Lab Order:

0902208

Collection Date: 2/18/2009 8:58:00 AM

Project:

Date Received: 2/19/2009

Lab ID:

BMG HWY 537 Truck Receiving Station 2009 0902208-02

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	97.5	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/23/2009 7:03:13 PM
Surr: BFB	90.8	58.8-123	%REC	1	2/23/2009 7:03:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/23/2009 7:03:13 PM
Toluene	ND	0.050	mg/Kg	1	2/23/2009 7:03:13 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/23/2009 7:03:13 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/23/2009 7:03:13 PM
Surr: 4-Bromofluorobenzene	92.2	66.8-139	%REC	1	2/23/2009 7:03:13 PM

Qualifiers:

Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 2 of 8

Value exceeds Maximum Contaminant Level

E Estimated value

Analyte detected below quantitation limits J

ND Not Detected at the Reporting Limit

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-7 @ 18'

Lab Order:

0902208

Collection Date: 2/18/2009 10:55:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/19/2009

Lab ID:

0902208-03

Matrix: MEOH (SOIL)

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed			
EPA METHOD 8015B: DIESEL RANGE	ORGANICS	·			Analyst: SCC			
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009			
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009			
Surr: DNOP	95.9	61.7-135	%REC	1	2/21/2009			
EPA METHOD 8015B: GASOLINE RAN	GE				Analyst: DAM			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/23/2009 9:35:29 PM			
Surr: BFB	94.4	58.8-123	%REC	1	2/23/2009 9:35:29 PM			
EPA METHOD 8021B: VOLATILES					Analyst: DAM			
Benzene	ND	0.050	mg/Kg	1	2/23/2009 9:35:29 PM			
Toluene	ND	0.050	mg/Kg	1	2/23/2009 9:35:29 PM			
Ethylbenzene	ND	0.050	mg/Kg	1	2/23/2009 9:35:29 PM			
Xylenes, Total	ND	0.10	mg/Kg	1	2/23/2009 9:35:29 PM			
Surr: 4-Bromofluorobenzene	99.1	66.8-139	%REC	1	2/23/2009 9:35:29 PM			

- 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

Page 3 of 8

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-7 @ 29'

Lab Order:

0902208

Collection Date: 2/18/2009 11:05:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/19/2009

Lab ID:

0902208-04

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	96.8	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/23/2009 10:06:01 PM
Surr: BFB	92.2	58.8-123	%REC	1	2/23/2009 10:06:01 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/23/2009 10:06:01 PM
Toluene	ND	0.050	mg/Kg	1	2/23/2009 10:06:01 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/23/2009 10:06:01 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/23/2009 10:06:01 PM
Surr: 4-Bromofluorobenzene	94.4	66.8-139	%REC	1	2/23/2009 10:06:01 PM

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

Page 4 of 8

Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-8 @ 20'

Lab Order:

0902208

Collection Date: 2/18/2009 1:23:00 PM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/19/2009

Lab ID:

0902208-05

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2009
Surr: DNOP	93.8	61.7-135	%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAM	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/24/2009 8:44:47 PM
Surr: BFB	97.9	58.8-123	%REC	1	2/24/2009 8:44:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/24/2009 8:44:47 PM
Toluene	ND	0.050	mg/Kg	1	2/24/2009 8:44:47 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/24/2009 8:44:47 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/24/2009 8:44:47 PM
Surr: 4-Bromofluorobenzene	104	66.8-139	%REC	1	2/24/2009 8:44:47 PM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 5 of 8

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-8 @ 26'

Lab Order:

0902208

Collection Date: 2/18/2009 1:35:00 PM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/19/2009

Lab ID:

0902208-06

Matrix: MEOH (SOIL)

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	2300	100	mg/Kg	10	2/21/2009
Motor Oil Range Organics (MRO)	1000	500	mg/Kg	10	2/21/2009
Surr: DNOP	122	61.7-135	%REC	10	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	1000	500	mg/Kg	100	2/23/2009 11:37:29 PM
Surr: BFB	85.8	58.8-123	%REC	100	2/23/2009 11:37:29 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	21	5.0	mg/Kg	100	2/23/2009 11:37:29 PM
Toluene	70	5.0	mg/Kg	100	2/23/2009 11:37:29 PM
Ethylbenzene	11	5.0	mg/Kg	100	2/23/2009 11:37:29 PM
Xylenes, Total	98	10	mg/Kg	100	2/23/2009 11:37:29 PM
Surr: 4-Bromofluorobenzene	83.3	66.8-139	%REC	100	2/23/2009 11:37:29 PM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 6 of 8

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 25-Feb-09

CLIENT: Lab Order: Animas Environmental Services

0902208

BMG HWY 537 Truck Receiving Station 2009

Project: Lab ID:

0902208-07

Client Sample ID: MW-9 @ 20'

Collection Date: 2/18/2009 3:31:00 PM

Date Received: 2/19/2009

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual Un	its	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/	Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50	mg/	Kg	1	2/21/2009
Surr: DNOP	96.5	61.7-135	%R	EC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RAN	IGE					Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/	Kg	1	2/24/2009 12:38:19 AM
Surr: BFB	94.8	58.8-123	%RI	EC	1	2/24/2009 12:38:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050	mg/l	Kg	1	2/24/2009 12:38:19 AM
Toluene	ND	0.050	mg/l	Kg	1	2/24/2009 12:38:19 AM
Ethylbenzene	ND	0.050	mg/l	Kg	1	2/24/2009 12:38:19 AM
Xylenes, Total	ND	0.10	mg/l	Kg	1	2/24/2009 12:38:19 AM
Surr: 4-Bromofluorobenzene	97.7	66.8-139	%RI	EC	1	2/24/2009 12:38:19 AM

- 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

Page 7 of 8

Date: 25-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-9 @ 28'

Lab Order:

0902208

Collection Date: 2/18/2009 3:44:00 PM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/19/2009

Lab ID:

0902208-08

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/21/2009
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/21/2009
Surr: DNOP	97.5	61.7-135		%REC	1	2/21/2009
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: DAM
Gasoline Range Organics (GRO)	15	5.0		mg/Kg	1	2/24/2009 1:08:40 AM
Surr: BFB	126	58.8-123	s	%REC	. 1	2/24/2009 1:08:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	2/24/2009 1:08:40 AM
Toluene	0.24	0.050		mg/Kg	1	2/24/2009 1:08:40 AM
Ethylbenzene	0.058	0.050		mg/Kg	1	2/24/2009 1:08:40 AM
Xylenes, Total	0.83	0.10		mg/Kg	1	2/24/2009 1:08:40 AM
Surr: 4-Bromofluorobenzene	106	66.8-139		%REC	1	2/24/2009 1:08:40 AM

Qua	ali	fie	rs

Value exceeds Maximum Contaminant Level

Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 8 of 8

Ε Estimated value

Analyte detected below quantitation limits J

Not Detected at the Reporting Limit ND

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 23-Feb-U9

QA/QC SUMMARY REPORT

Client:

Animas Environmental Services

Project:

BMG HWY 537 Truck Receiving Station 2009

Work Order:

0902208

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD I	RPDLimit	Qual
Method: EPA Method 8015B: D	iesel Range	Organics							,
Sample ID: 0902208-03AMSD		MSD			Batch II	D: 18364	Analysis Date	: :	2/21/200
Diesel Range Organics (DRO)	44.95	mg/Kg	10	89.9	67.4	117	5.07	17.4	
Sample ID: MB-18363		MBLK			Batch II	D: 18363	Analysis Date) :	2/21/200
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: MB-18364		MBLK			Batch II	D: 18364	Analysis Date):	2/21/200
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-18363		LCS			Batch II	D: 18363	Analysis Date):	2/21/200
Diesel Range Organics (DRO)	48.15	mg/Kg	10	96.3	64.6	116			
Sample ID: LCS-18364		LCS			Batch ID): 18364	Analysis Date	: :	2/21/200
Diesel Range Organics (DRO)	39.06	mg/Kg	10	78.1	64.6	116			
Sample ID: LCSD-18363		LCSD			Batch ID): 18363	Analysis Date	:	2/21/200
Diesel Range Organics (DRO)	49.39	mg/Kg	10	98.8	64.6	116	2.54	17.4	
Sample ID: LCSD-18364		LCSD			Batch ID): 18364	Analysis Date	:	2/21/200
Diesel Range Organics (DRO)	42.72	mg/Kg	10	85.4	64.6	116	8.97	17.4	
Sample ID: 0902208-03AMS		MS			Batch ID): 18364	Analysis Date	:	2/21/200
Diesel Range Organics (DRO)	47.29	mg/Kg	10	94.6	67.4	117	-		
				<u> </u>					
Method: EPA Method 8015B: Ga	asoline Ran	_			Batch ID	\· 40266	Analysis Data	. 2/24/	2009 3:41:04 A
Sample ID: MB-18366		MBLK			Datonia): 18366	Analysis Date	. ZIZ4II	2009 3.41.04 A
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0		Datah ID	40000	Amelysis Data	. 0/04/	2000 1.20.EE AI
Sample ID: LCS-18366 GRO		LCS			Batch ID		Analysis Date	. 212412	2009 1:38:55 Al
Gasoline Range Organics (GRO)	29.40	mg/Kg	5.0	118	64.4	133		0/0.4	
Sample ID: LCSD-18366 GRO		LCSD			Batch ID		Analysis Date	: 2/24/2	2009 2:09:27 AI
Gasoline Range Organics (GRO)	29.60	mg/Kg	5.0	118	69.5	120	0.678	11.6	
Method: EPA Method 8021B: Vo	olatiles								
Sample ID: MB-18366		MBLK			Batch ID	18366	Analysis Date	: 2/24/2	2009 3:41:04 AI
Benzene	ND	mg/Kg	0.050						
foluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						*
(ylenes, Total	ND	mg/Kg	0.10						
Sample ID: LCS-18366		LCS			Batch ID	18366	Analysis Date	: 2/24/2	2009 2:39:57 Al
Benzene	0.9666	mg/Kg	0.050	95.1	78.8	132			
Coluene	1.003	mg/Kg	0.050	99.1	78.9	112			
Ethylbenzene	1.065	mg/Kg	0.050	107	69.3	125			
(ylenes, Total	3.228	mg/Kg	0.10	108	73	128			
Sample ID: LCSD-18366		LCSD			Batch ID	18366	Analysis Date	: 2/24/2	2009 3:10:38 Al
Benzene	0.9875	mg/Kg	0.050	97.2	78.8	132	2.14	27	
Toluene	1.014	mg/Kg	0.050	100	78.9	112	1.12	19	
Ethylbenzene	1.110	mg/Kg	0.050	111	69.3	125	4.08	10	
Xylenes, Total	3.325	mg/Kg	0.10	111	73	128	2.97	13	

Qualifiers:

Page 1

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL				Date Received	d:	2/19/2009	
Work Order Number 0902208				Received by	: TLS	-	
Checklist completed by:			2 Date	ample ID la	bels checked by	y: TS Initials	
Matrix:	Carrier name	Gre	hound				
Shipping container/cooler in good condition?		Yes	\checkmark	No 🗌	Not Present		
Custody seals intact on shipping container/cool	er?	Yes	\checkmark	No 🗌	Not Present	Not Shipped	
Custody seals intact on sample bottles?		Yes	\checkmark	No 🗌	N/A [
Chain of custody present?		Yes	✓	No 🗌			
Chain of custody signed when relinquished and	received?	Yes	\checkmark	No 🗌			
Chain of custody agrees with sample labels?	,	Yes	\checkmark	No 🗌			
Samples in proper container/bottle?		Yes	\checkmark	No 🗌			
Sample containers intact?		Yes	\checkmark	No 🗌			
Sufficient sample volume for indicated test?		Yes	\checkmark	No 🗌			
All samples received within holding time?		Yes	\checkmark	No 🗌			
Water - VOA vials have zero headspace?	No VOA vials subm	itted	\checkmark	Yes 🗌	No 🗌		
Water - Preservation labels on bottle and cap m	atch?	Yes		No 🗌	N/A 🗹		
Water - pH acceptable upon receipt?		Yes		No 🗌	N/A 🗹		
Container/Temp Blank temperature?			3°	<6° C Acceptable			
COMMENTS:				If given sufficient	time to cool.		
	Date contacted:			Perso	on contacted		
Contacted by:	Regarding:						
Comments:							
Corrective Action							

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		7 Truck Receiving Startion					ر عر	remer	A Commence of the Commence of				Q	3	ゴ	\n	٦	_	æ)				Date Time	09 1400	Date Time	ted laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Time:	□ Rush	~	ာပါ			ager:	Kenn en	2055 Ken	5	jenaltilies, i	Preservative Type	mem/4ºC	/					\langle	~\ ~}					2/19/6	-	ccredited laboratories
Turn-Around Time:	∯ Standard	Project Name:	ر ک	Project #:		Project Manager:	(250 A			Sample lem	Container Type and #	meth pres							77				Received bx:		Received by:	ontracted to other a
Chain-of-Custody Record	Client: Animas Envilonmental Service S		Comortie	NM 87401	1822-195	2202-hrz (505	☐ Level 4 (Full Validation)		* Particular and the state of t		Sample Request ID	MW-6010'	151 C 9-MW	18/ Ct-MW	MW-70 29'	MW-822	196 68-WM	MW-90 201	NW-90 281				led by:	Comenne	ned by:	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredit
-of-Cu	Enviso		: 624 E.				\ <i>J</i>				Matrix	50;1	1.9	Š	7	iş	2.	<u>.</u>	(3)				Relinquished by:	Kasskerne	Relinquish	samples sub
hain	James		Mailing Address:	Haminiter	Phone #:(چَهُحَ)	email or Fax#:	QA/QC Package:	¥.	EDD (Type)_		Time	2580	8580	5501	1105	1333	1335	1531	1544				Time:	0730	Time:	f necessary,
Ö	Client:		Mailing	ACM	Phone ;	email o	QA/QC Packa ∭ Standard	□ Other			Date	2-18-09	2-18-09	2-18-09	2-15-09	7-18-09	7-18-09	8-18-6	2-18-09				Date:	19-09	Date:	=



COVER LETTER

Thursday, February 26, 2009

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

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

RE: BMG HWY 537 Truck Receiving Station 2009 Spill

Dear Ross Kennemer:

Order No.: 0902233

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 2/23/2009 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, Business Manager Nancy McDuffie, Laboratory Manager

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



Date: 26-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-10 @ 25'

Lab Order:

0902233

Collection Date: 2/20/2009 8:53:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/23/2009

Lab ID:

0902233-01

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS	- ^ · · · · · · · · · · · · · · · · · · 			Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/25/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/25/2009
Surr: DNOP	105	61.7-135	%REC	1	2/25/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/24/2009 9:45:47 PM
Surr: BFB	94.9	58.8-123	%REC	1	2/24/2009 9:45:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/24/2009 9:45:47 PM
Toluene	ND	0.050	mg/Kg	1	2/24/2009 9:45:47 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/24/2009 9:45:47 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/24/2009 9:45:47 PM
Surr: 4-Bromofluorobenzene	98.1	66.8-139	%REC	1	2/24/2009 9:45:47 PM

- 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

Date: 26-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-10 @ 30'

Lab Order:

0902233

Collection Date: 2/20/2009 9:03:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/23/2009

Lab ID:

0902233-02

Matrix: MEOH (SOIL)

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/25/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/25/2009
Surr: DNOP	104	61.7-135	%REC	1	2/25/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/24/2009 10:16:14 PM
Sum: BFB	93.3	58.8-123	%REC	1	2/24/2009 10:16:14 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/24/2009 10:16:14 PM
Toluene	ND	0.050	mg/Kg	1	2/24/2009 10:16:14 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/24/2009 10:16:14 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/24/2009 10:16:14 PM
Surr: 4-Bromofluorobenzene	96.5	66.8-139	%REC	1	2/24/2009 10:16:14 PM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 2 of 4

^{*} Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 26-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-11 @ 28'

Lab Order:

0902233

Collection Date: 2/20/2009 11:18:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/23/2009

Lab ID:

0902233-03

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/25/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/25/2009
Surr: DNOP	96.1	61.7-135	%REC	1	2/25/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/24/2009 10:46:42 PM
Surr. BFB	92.5	58.8-123	%REC	1	2/24/2009 10:46:42 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/24/2009 10:46:42 PM
Toluene	ND	0.050	mg/Kg	1	2/24/2009 10:46:42 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/24/2009 10:46:42 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/24/2009 10:46:42 PM
Surr: 4-Bromofluorobenzene	93.4	66.8-139	%REC	1	2/24/2009 10:46:42 PM

- 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

Date: 26-Feb-09

CLIENT:

Animas Environmental Services

Client Sample ID: MW-11 @ 34'

Lab Order:

0902233

Collection Date: 2/20/2009 11:23:00 AM

Project:

BMG HWY 537 Truck Receiving Station 2009

Date Received: 2/23/2009

Lab ID:

0902233-04

Matrix: MEOH (SOIL)

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/25/2009
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/25/2009
Surr: DNOP	99.6	61.7-135	%REC	1	2/25/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/24/2009 11:17:03 PM
Surr: BFB	92.2	58.8-123	%REC	1	2/24/2009 11:17:03 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	0.050	mg/Kg	1	2/24/2009 11:17:03 PM
Toluene	ND	0.050	mg/Kg	1	2/24/2009 11:17:03 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/24/2009 11:17:03 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/24/2009 11:17:03 PM
Surr: 4-Bromofluorobenzene	94.0	66.8-139	%REC	1	2/24/2009 11:17:03 PM

Qualifiers:

S Spike recovery outside accepted recovery limits

MCL Maximum Contaminant Level

RL Reporting Limit

Page 4 of 4

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Date: 26-Feb-09

QA/QC SUMMARY REPORT

Client:

Animas Environmental Services

Project: BM

BMG HWY 537 Truck Receiving Station 2009

Work Order:

0902233

	D "	1.12		0/ 5	1 1 * **	11:	0/000	DDD1: ::	<u> </u>
Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Di	esel Range	_			5 / 1 **				
Sample ID: 0902233-01AMSD		MSD			Batch II		Analysis Da		2/25/200
Diesel Range Organics (DRO) Sample ID: MB-18383	51.81	mg/Kg <i>MBLK</i>	10	104	67.4 Batch II	117 D: 18383	6.04 Analysis Dat	17.4 te:	2/25/200
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-18383		LCS			Batch II		Analysis Dat	e:	2/25/200
Diesel Range Organics (DRO) Sample ID: LCSD-18383	49.64	mg/Kg <i>LCSD</i>	10	99.3	64.6 Batch II	116 D: 18383	Analysis Dat	e:	2/25/200
Diesel Range Organics (DRO)	48.14	mg/Kg	10	96.3	64.6	116	3.05	17.4	
Sample ID: 0902233-01AMS		MS			Batch ID): 18383	Analysis Dat	e:	2/25/200
Diesel Range Organics (DRO)	48.77	mg/Kg	10	97.5	67.4	117			
Method: EPA Method 8015B: Ga	soline Ran	_							
Sample ID: 0902233-01A MSD		MSD			Batch ID): R32532	Analysis Dat	e: 2/25/20	09 12:18:09 A
Gasoline Range Organics (GRO)	29.21	mg/Kg	5.0	117	69.5	120	2.60	11.6	
Sample ID: 5ML RB		MBLK			Batch ID): R32532	Analysis Dat	e: 2/24/2	:009 9:35:50 A
Basoline Range Organics (GRO)	ND	mg/Kg	5.0					0.10.4.10	
Sample ID: 2.5UG GRO LCS		LCS			Batch ID		Analysis Dat	e: 2/24/2	009 5:41:52 P
Gasoline Range Organics (GRO)	28.84	mg/Kg	5.0	115	64.4	133	Azakisia Dat	0/04/00	00 44.47.20 D
Sample ID: 0902233-01A MS		MS		400	Batch ID		Analysis Dat	e: 2/24/20	09 11:47:32 PI
Gasoline Range Organics (GRO)	29.98	mg/Kg	5.0	120	69.5	120			
Method: EPA Method 8021B: Vo	latiles								
ample ID: 0902233-02A MSD		MSD			Batch iD		Analysis Dat		009 1:18:56 AI
Benzene	0.9731	mg/Kg	0.050	97.3	78.8	132	1.25	27	
oluene	1.017	mg/Kg	0.050	102	78.9	112	0.148	19	
thylbenzene	1.092	mg/Kg	0.050	109	69.3	125	1.69	10	
(ylenes, Total Sample ID: 5ML RB	3.280	mg/Kg <i>MBLK</i>	0.10	109	73 Batch ID	128 : R32532	1.68 Analysis Date	13 - <i>2/24/2</i>	009 9:35:50 AN
Benzene	ND	mg/Kg	0.050		Datonib	NOLOGI	7 and you back	J. 212-112	000 0.00.0074
oluene	ND	mg/Kg	0.050						
thylbenzene	ND	mg/Kg	0.050						
(ylenes, Total	ND	mg/Kg	0.10						
sample ID: 100NG BTEX LCS		LCS			Batch ID	: R32532	Analysis Date	e: 2/24/2	009 6:12:17 PM
Benzene	0.9255	mg/Kg	0.050	92.6	78.8	132			
oluene	0.9720	mg/Kg	0.050	97.2	78.9	112			
thylbenzene	1.019	mg/Kg	0.050	102	69.3	125			
lylenes, Total	3.118	mg/Kg	0.10	104	73	128			
ample ID: 0902233-02A MS		MS			Batch ID		Analysis Date	e: 2/25/20	09 12:48:30 AM
enzene	0.9610	mg/Kg	0.050	96.1	78.8	132			
oluene	1.016	mg/Kg	0.050	102	78.9	112			
thylbenzene	1.074	mg/Kg	0.050	107	69.3	125			

Qualifiers:

S Spike recovery outside accepted recovery limits

Page 1

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

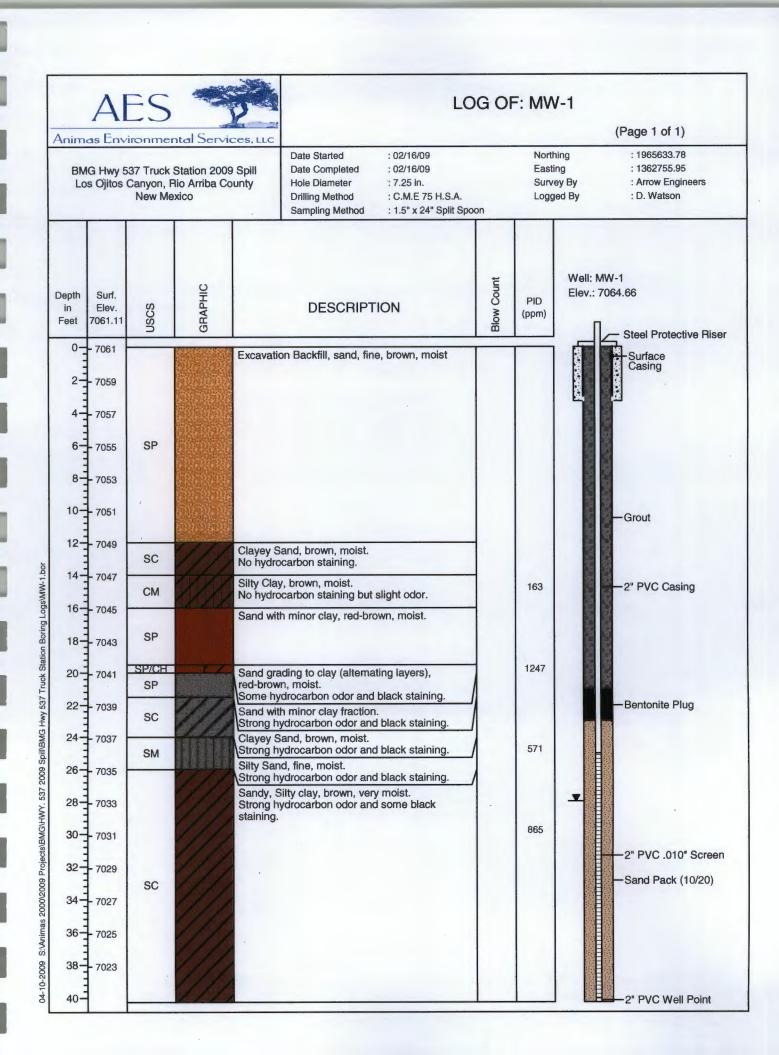
H Holding times for preparation or analysis exceeded

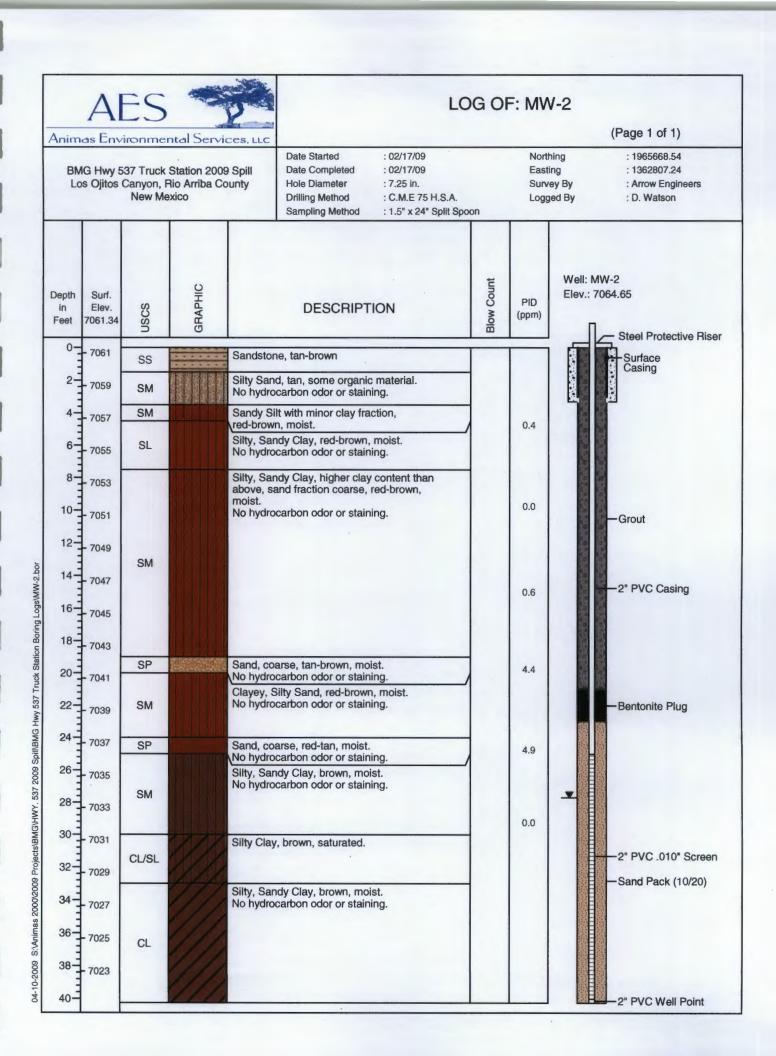
ND Not Detected at the Reporting Limit

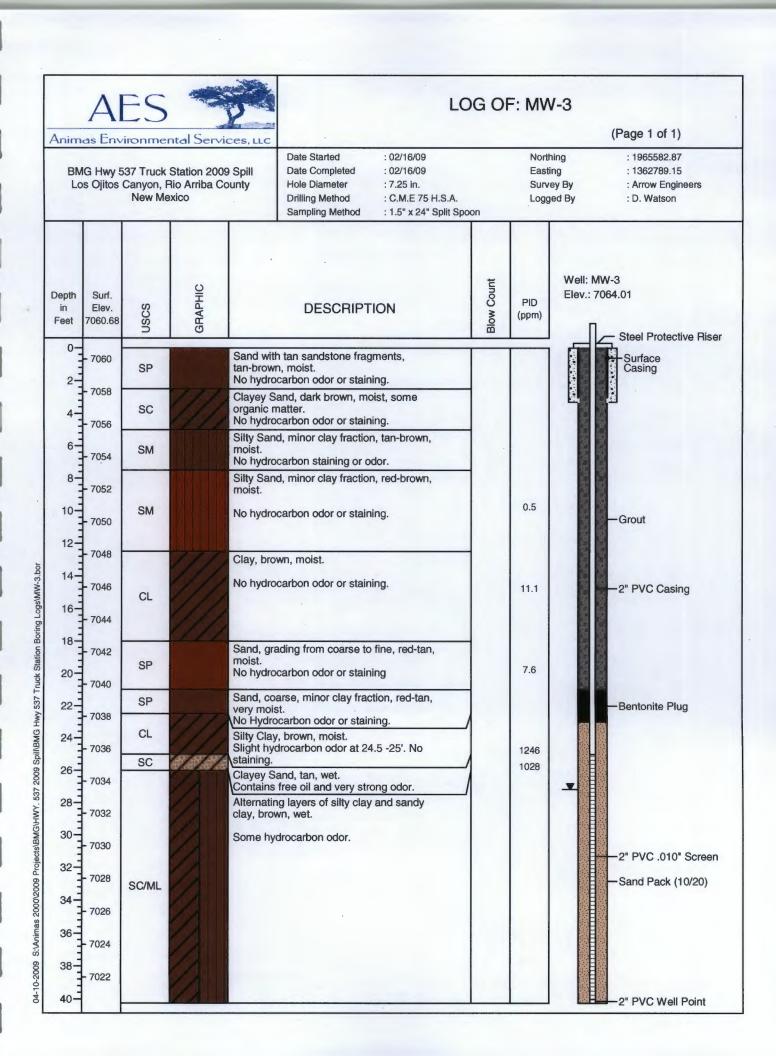
Sample Receipt Checklist

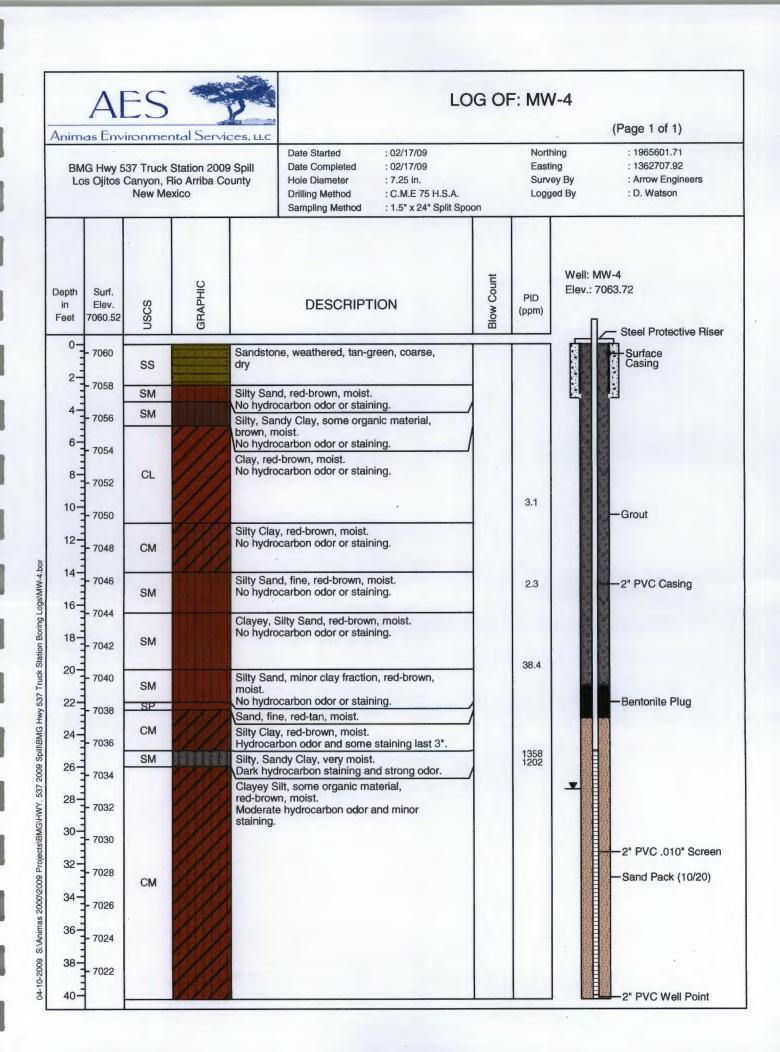
Client Name ANIMAS ENVIRONMENTAL	·		•	Date Receive	ed:	2/23/2009	
Work Order Number 0902233	Λ			Received b	y: AT	\wedge 1	
	V		¬ /¬	Sample ID	labels checked b		
Checklist completed by:	Mu	-	Date	309	-	Initials	
Matrix:	Carrier name	Clic	nt drop-of	re			
Maura.	Camername	CHE	nt drop-o	ī.			
Shipping container/cooler in good condition?		Yes	\checkmark	No 🗌	Not Present		
Custody seals intact on shipping container/coole	r?	Yes	\checkmark	No 🗌	Not Present	Not Shipped	. .
Custody seals intact on sample bottles?		Yes	\checkmark	No 🗆	N/A [
Chain of custody present?		Yes	\checkmark	No 🗆			
Chain of custody signed when relinquished and r	received?	Yes	\checkmark	No 🗌			
Chain of custody agrees with sample labels?		Yes	\checkmark	No 🗌			
Samples in proper container/bottle?		Yes	\checkmark	No 🗌			
Sample containers intact?		Yes	\checkmark	No 🗌			
Sufficient sample volume for indicated test?	,	Yes	\checkmark	No 🗌			
All samples received within holding time?		Yes	\checkmark	No 🗆			
Water - VOA vials have zero headspace?	No VOA vials subm	itted	\checkmark	Yes	No 🗆		
Water - Preservation labels on bottle and cap ma	itch?	Yes		No 🗆	N/A 🗹		
Water - pH acceptable upon receipt?		Yes		No 🗀	N/A 🗹		
Container/Temp Blank temperature?			1°	<6° C Acceptab			
COMMENTS:				If given sufficien	t time to cool.		
OVtttt	2-44-4-						
Client contacted	Date contacted:			Pers	son contacted _		
Contacted by:	Regarding:						
Comments:							
					~~~~		
Corrective Action	147-17-17-17-17-17-17-17-17-17-17-17-17-17						
	ALLY SEPARE PILE			A			

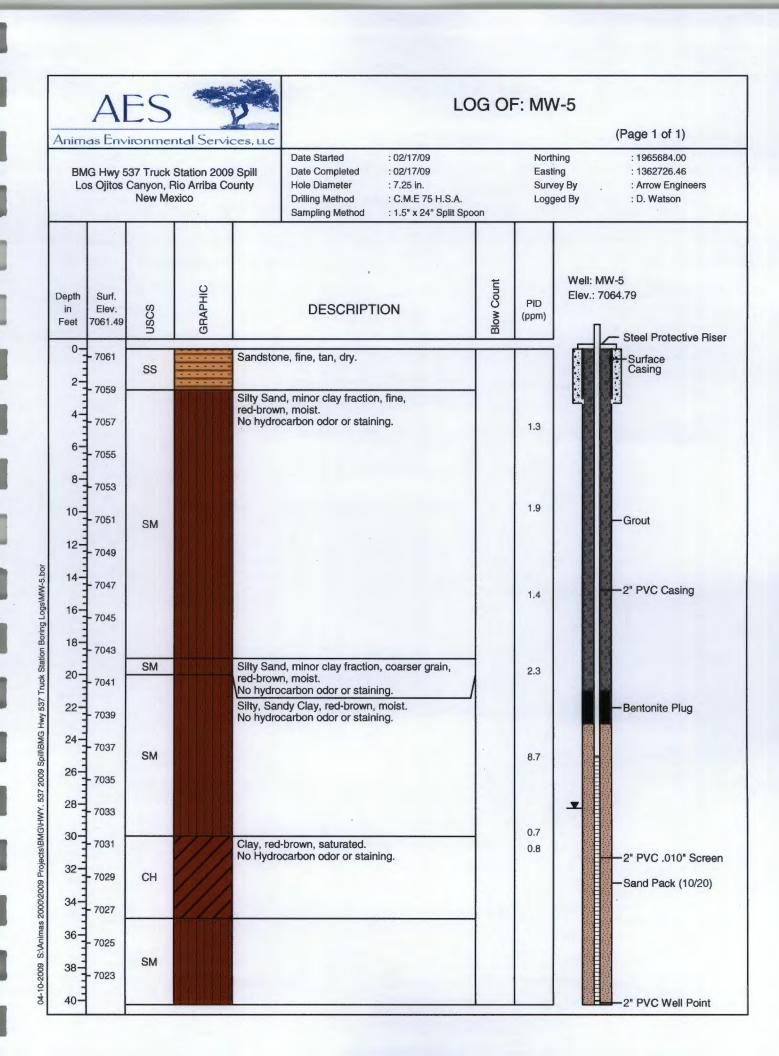
######################################	BTEX + MTBE + TMB's (8021)  BTEX + MTBE + TPH (Gas only)  TPH Method 8015B (Gas/Diesel)  TPH (Method 418.1)  EDB (Method 504.1)  B310 (PNA or PAH)  RCRA 8 Metals  Anions (F,CI,NO ₂ ,NO ₂ ,PO ₄ ,SO ₄ )  B260B (VOA)  B260B (VOA)  B270 (Semi-VOA)  B270 (Semi-VOA)  B270 (Semi-VOA)	7 7 X	X X X		Time: Relinquished by:  Of 30 (Auth Multiple of the contracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time:  Standard □ Rush Project Name:  BM6 HWY, S37 Truck Receiving  Station 2009 Spill Project#:	Project Manager:    Sampler:	nother methylic			Received by:  Received by:  Date Time  Time  Time  Time  Time  Time  Time  Time  Time
of-Custody Record  Environmenta!  Cay E. Comarche  NM 8740!	Phone #: (505) 564-228    email or Fax#: 334-2022  QA/QC Package:  Candard  Cother  Candard  Date Time Matrix Sample Request ID	2-20-09 0853 Soil MW-10 @ 35'	1118 So; 1 MW-112		Date: Time: Relinquished by:  Date: Time: Relinquished by: If necessary, samples submitted to Hall Environmental may be subcon

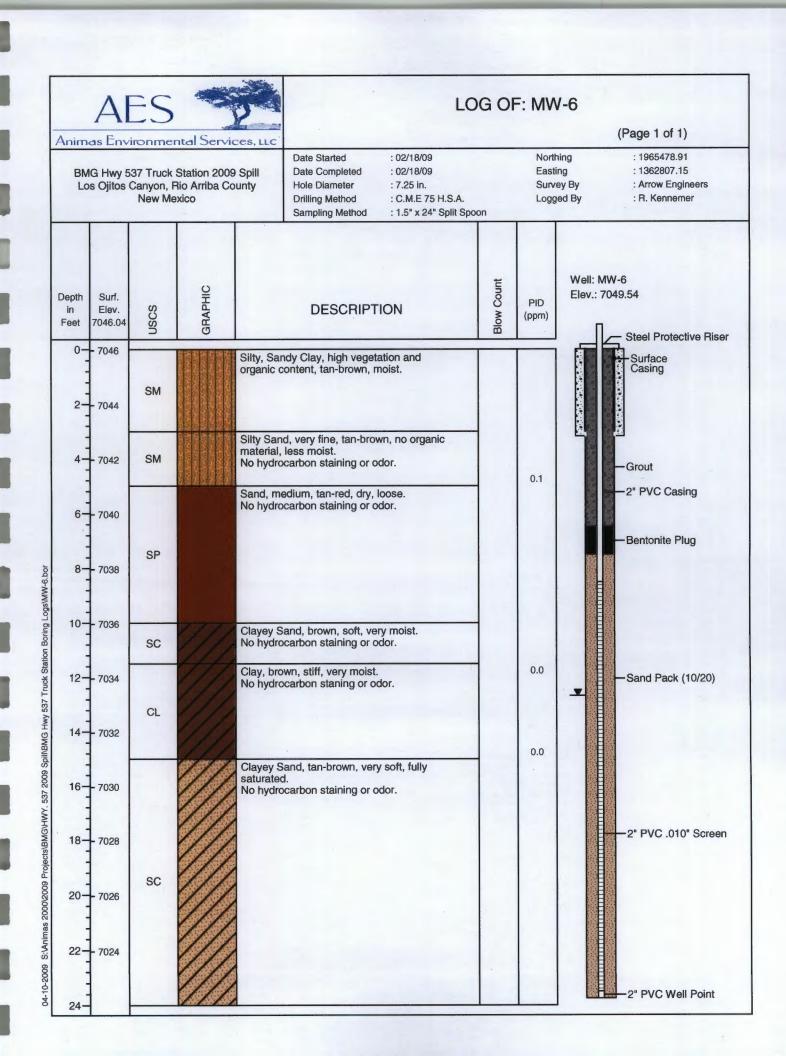


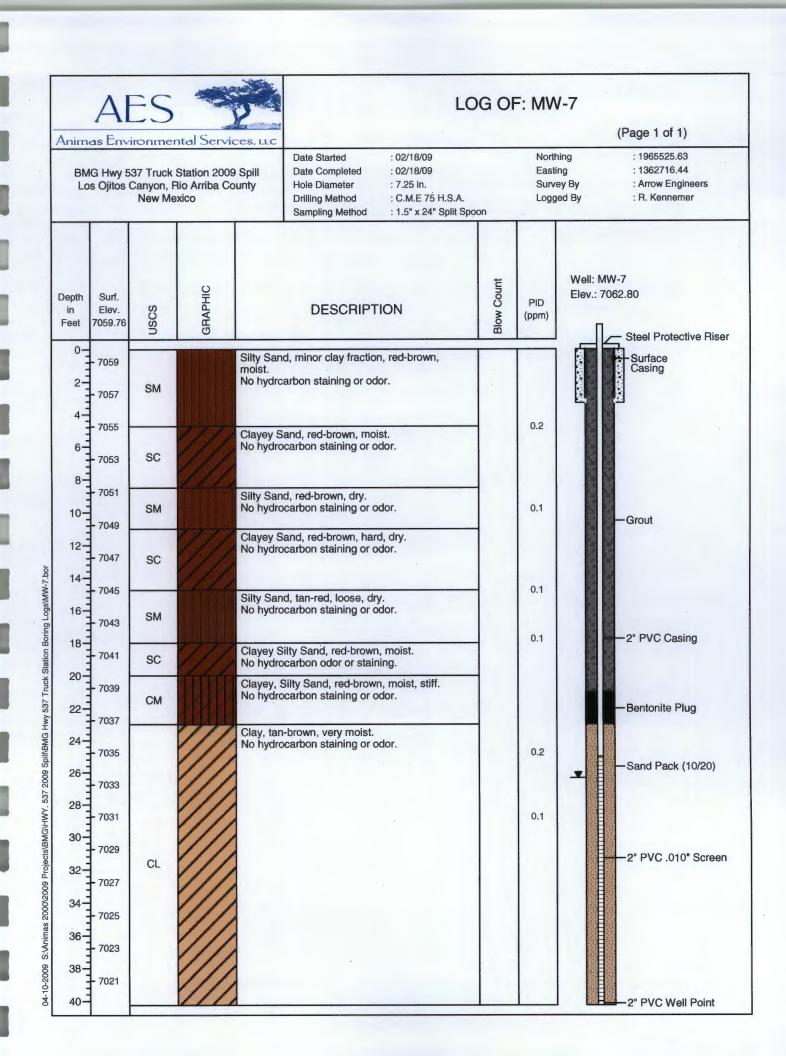


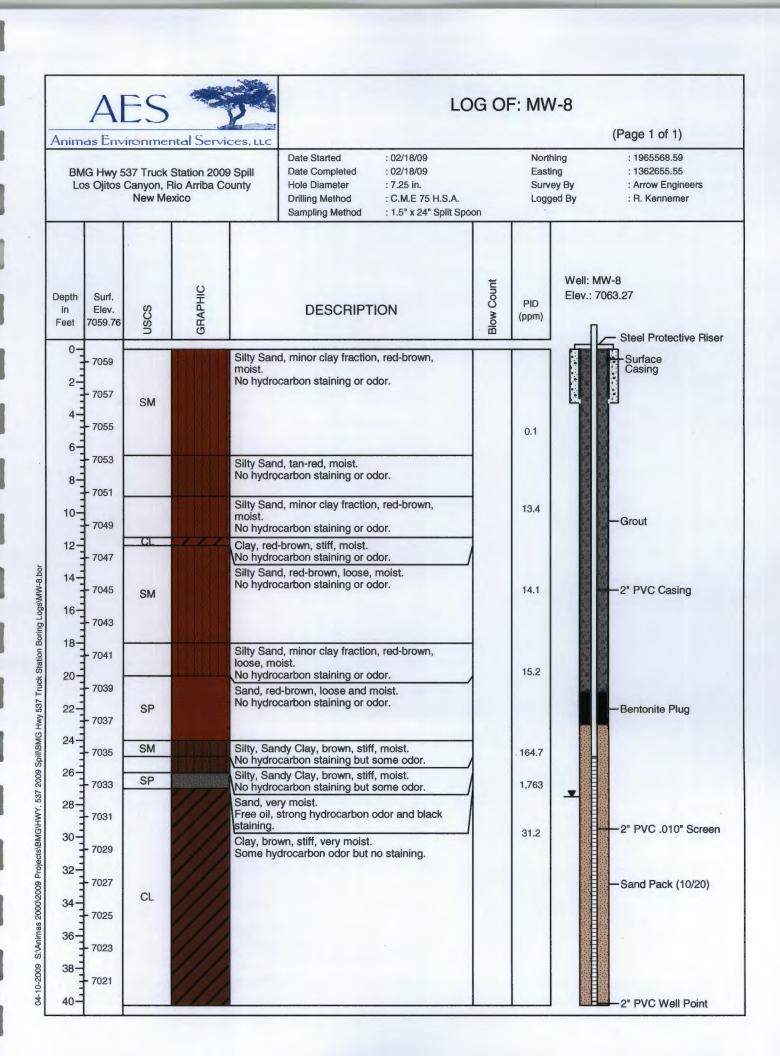


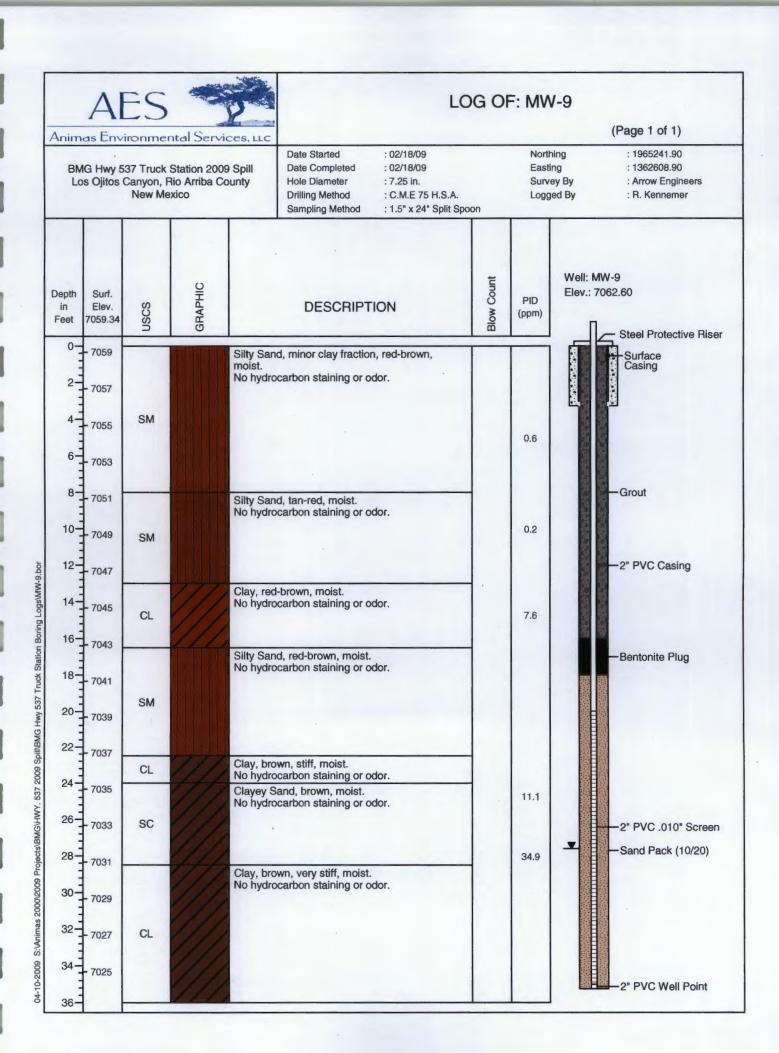


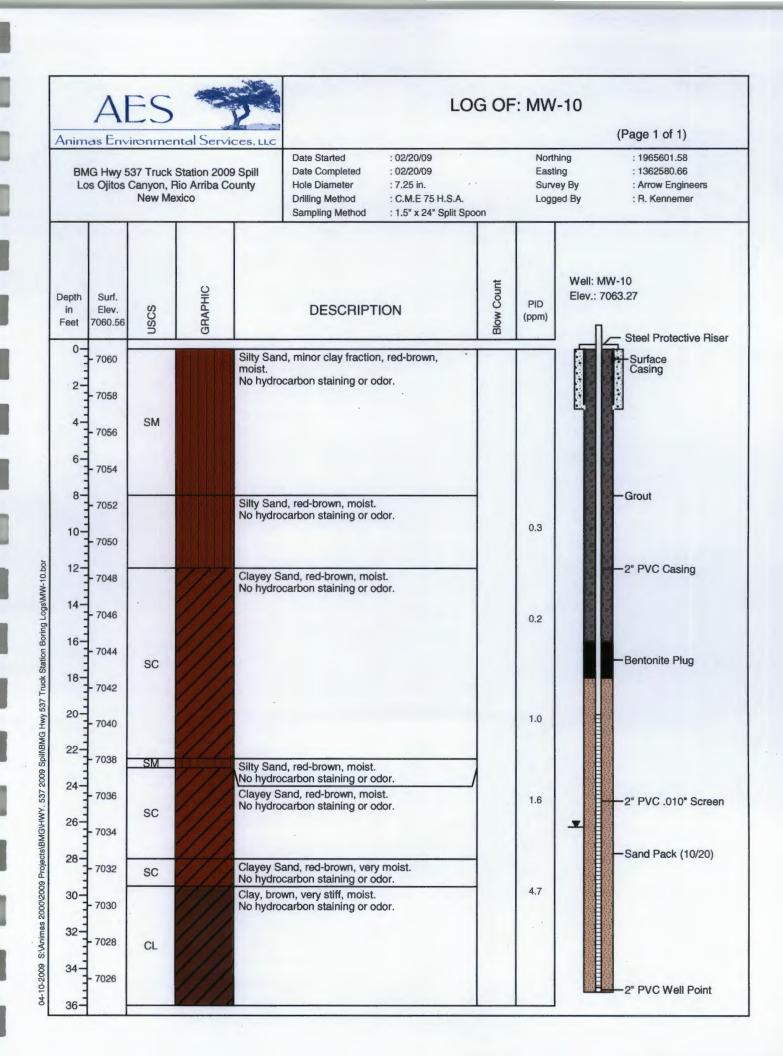


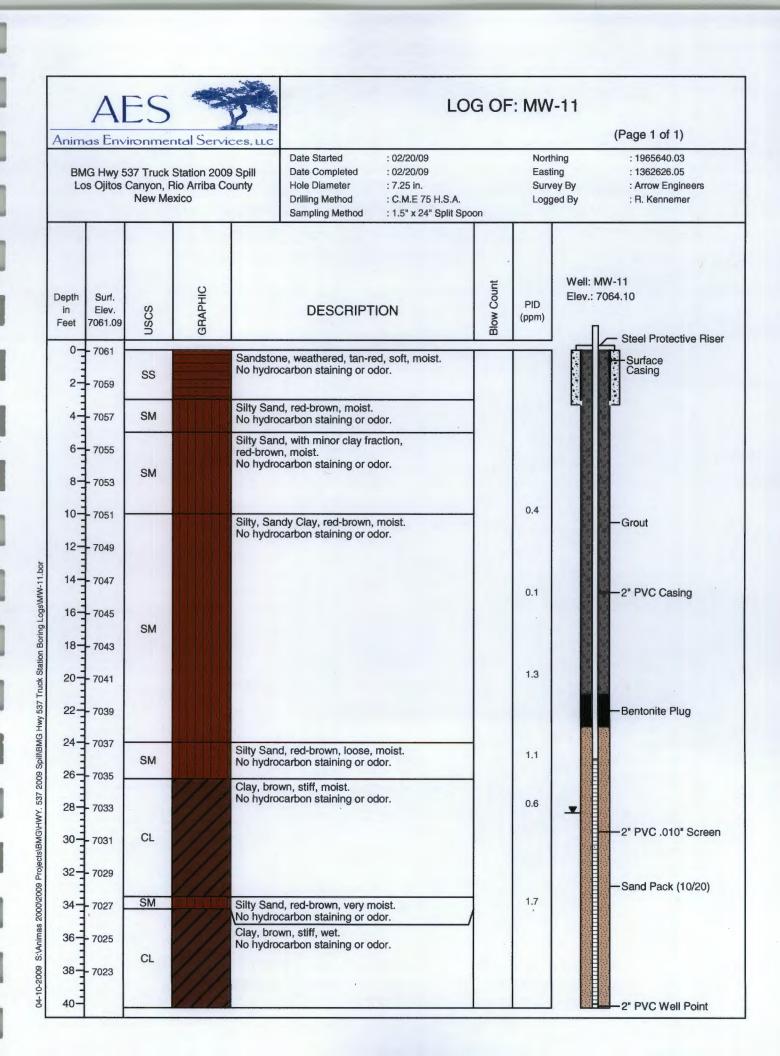












#### **Animas Environmental Services GROUNDWATER MONITORING WELL** 624 E. Comanche, Farmington NM 87401 **DEVELOPMENT FORM** Tel. (505) 564-2281 Fax (505) 324-2022 Project: Site Investigation Project No.: Date: 2-28-09 BMG HWY537 Truck Receiving Station Site: Location: Time: 0900 Tech: RKennemer Form: 1 of 2 Well Depth to NAPL Depth to **Purged Volume** Method / Notes / Observations I.D. (ft.) Water (ft.) (gal.) 25 TD= 42.60' Casing A65= Mw-II 28.47 Depth to NAPL **Purged Volume** Well Depth to Method / Notes / Observations I.D. Water (ft.) (ft.) (gal.) 27.74 40 TD= 39.15' MW-9 Well Depth to NAPL Depth to **Purged Volume** Method / Notes / Observations I.D. (ft.) Water (ft.) (gal.) Casins A.15 = 2.70' 26.34' MW-10 40 TD=38.80' Well Depth to NAPL Depth to **Purged Volume** Method / Notes / Observations I.D. Water (ft.) (ft.) (gal.) 40 MW-2. 27.84 TD= 44.20 Casing A.G.S. = 3.30° Depth to NAPL Depth to Well Purged Volume Method / Notes / Observations Water (ft.) I.D. (ft.) (gal.) 2.65 40 MW-6 Well Depth to NAPL Depth to **Purged Volume** Method / Notes / Observations I.D. Water (ft.) (ft.) (gal.) 30 Mw-5 28,47 TD= 44.50 Well Depth to NAPL Depth to **Purged Volume** Method / Notes / Observations I.D. (ft.) Water (ft.) (gal.) 40 MW-7 D=44.60 Casin A. G. S. = 3.00 Puged Water Storage, Transport, and Disposal Information:

(		TER MONIT	ORING WELL	Animas Environmental Services 624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022
Project:	Site Inve	stigation.	ceiving Station	Project No :
Site: Location:			seiving Station	Date: 2-28-σ9 Time:
Tech:	R. Kenneme	er		Form: 2 of 2
· Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Mw-8		27.73	40	TD= 44.10' Casing A.G.S. = 3.50'
Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	
MW-4		27.56	40	TD= 44.00' Casing A.G.S. = 3.20'
Well I,D,	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Mw-3		27.34	40	TD= 41.10' Casing A.G.S. = 3.32'
Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	
Mw-I	3	28.17	40	TD = 43.65' Casing A.6.5. = 3.55'
Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Well	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Well I.D.	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Puged Wa	ter Storage, Tra	insport, and [	Disposal Informa	ation:

en:

ğ.

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Field Blank @ 0816 on 3-5-09

### **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: Llaves, Rio Arriba County, New Mexico

Tech: eilliw .M_ Project No.: AES 090201

Date: 3-5-09

Time: 0818 **Form**: 1 of 1

\A/≏II		Donah do NADI	Donath 4- 14/-4	MADI	
Well I.D.	Time	(ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	0831		27.95		TD243.64
MW-2	0938		27.68		TD = 44, 16
MW-3	0944		27,16		TD= 44.00
MW-4	0950		27.39		TD= 43.95
MW-5	0956		28,24		7D= 44.08
MW-6	1026		12.67	!	TD= 23.57
MW-7	1020		26.34		TD=44,16
MW-8	1008		27.49		TD=44,13
MW-9	1014		27.60		TD=38, B1
MW-10	1034		26.25		TD= 38,44
MW-11	1002		28.33		TD=43.54
11.p. 10.3	10 - 1-				
MW-B			4		Briter in well
MW-7	1030		13:09		
	•				
			-		
		·			
				,	

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

MONITO	MONITORING WELL SAMPLING RECORD Animas Environmental Services									
Monitor W	ell No:	MW-9			624 E. (	Comanche, Farmington	NM 87401			
			•			5) 564-2281 Fax (505) 3	324-2022			
		7 Station Spill '0		_	Proje	ct No.: AES 090201				
	County, New Me	xico	-	A	Date: 3-6-89	-				
Project: Groundwater Monitoring Sampling Technician: ハ・いいい				-	Arrival Time: 1/35 Air Temp: 43°F					
Purge / No Purge: Purge			т.	O.C. Ele						
_	ameter (in):	2		-	Vell Dep	` '	•			
		27.60	Time:	101	4	(taken at initial gauging	of all wells)			
Confirm	Confirm D.T.W. (ft): Time:					(taken prior to purging	•			
Final	D.T.W. (ft):		Time:			(taken after sample col	lection)			
Water Quality Parameters - Recorded During Well Purging										
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations			
11.36	11.85	5.388	1.48	6.37	-3.4	0.25				
1139	11.37	5,422	2,58	6.38	-3,7	l .				
1142	11,20	5.428	Z.82	639	-4.3	l				
1146	11,40	5,440	2.71	6,40	-3.5	1				
1150	10.98	5,426	3.08	6.40	-3.9	l				
1)54	09.47	5,418	5,12	6.39	-1.8					
1200							Samples Collected			
-										
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)			
		BTEX per EPA	Method 802	21 (3 40m	L Vials w	v/ HCl preserve)				
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCl preserve)				
						*				
	D	isposal of Purg	jed Water:							
Collect	ted Samples	Stored on Ice	in Cooler:							
	Chain of Cu	stody Record	Complete:							
		Analytical La	aboratory:	Hall Envi	ronment	al Analysis Laboratory,	Albuquerque, NM			
Equipment	Used Durin	g Sampling:		Keck Wa	ter Level	l, YSI Water Quality Met	er,			
				and New	Disposa	ble Bailer				
Notes/Com	ments									

MONITO	RING WE	LL SAMPLIN	MONITORING WELL SAMPLING RECORD Animas Environmental Services									
Monitor W	ell No:	MW-4			624 E. (	Comanche, Farmington	NM 87401					
			<u> </u>		Tel. (50	05) 564-2281 Fax (505) 3						
		37 Station Spill 'C		_	Proje	ct No.: AES 090201						
		County, New Me	xico	_	<b>4</b> is col	Date: 3-5-09	-					
		er Monitoring		-	Arrival Time: 1220 Air Temp: 43°F							
	Purge		- т	O.C. Ele		•						
	ameter (in):				Vell Dep		-					
Initial	D.T.W. (ft):	27.39	Time:	095		_(taken at initial gauging	•					
	D.T.W. (ft):		Time:			(taken prior to purging	,					
Final	D.T.W. (ft):		_ Time:			_(taken after sample col	lection)					
Water Quality Parameters - Recorded During Well Purging												
	Temp	Conductivity	DO		ORP	PURGED VOLUME						
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations					
1228	13.70	4.759	2.09	6.67	-40.1	0.25						
1232	13.06	4.760	2.07	6.62	-33.4	1.75						
1237	12.77	4,753	1.78	6.60	-32.2	1.75						
1240	12.57	4.763	1.75	6.69	⁻ 33,7	1.5						
1245	12.36	4.762	1.87	6.62	-31.5	1,5						
1249	12.36	4.760	1.72	6.58	1	1. 五						
1254							Samples Collected					
•												
			·									
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)					
		BTEX per EPA I	Method 802	21 (3 40m	L Vials w	v/ HCl preserve)						
						. Vials w/ HCl preserve)						
	D	isposal of Purg	ed Water:									
Collect		Stored on Ice										
	-	stody Record (	•									
		-	•	Hall Envi	ronment:	al Analysis Laboratory, A	Albuquerque, NM					
Equipment	Used Durin	g Sampling:				I, YSI Water Quality Met						
—		9				ble Bailer	<u></u>					
Notes/Com	Notes/Comments											
		1.54547947										
							<u> </u>					

MONI	MONITORING WELL SAMPLING RECORD Animas Environmental Services										
		MW-1									
Monito	r Well No:	1AI A A - I	-	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022							
<u>s</u>	ite: Highwa	y 537 Station Spill '0	19	Project No.: AES 090201							
		ba County, New Me		-	i iojo.	Date: 3-5-09	-				
Proje	ct: Ground	water Monitoring		Arrival Time: 08 Z2							
Samplii	ng Technic	ian: <u>۸. سالنح</u>		Air Temp: 43°F							
	ge / No Pur			T.O.C. Elev. (ft):							
	l Diameter ( tial D.T.W. (	· —————	Time:	Total Well Depth (ft): 43.64							
		(ft): <u> </u>	- Time. Time:	(taken at initial gauging of all wells)  (taken prior to purging well)							
	Final D.T.W. (ft): Time:					(taken after sample co.	· · · · · · · · · · · · · · · · · · ·				
Water Quality Parameters - Recorded During Well Purging											
	Temp	Conductivity	DO	<u></u>	ORP	PURGED VOLUME					
Time	(deg	C) (µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations				
0842	13.4	10 5,215	3.17	6.90	-66.1	0.25					
090			I _	6.70	-48.6	1.5					
0853				6.62	-40.0	1.5					
0850				6.58	-36.6	1.5					
0901	1 120 k	5 5,194	1,77	6.57	-36,4	1,5					
090	9 12.2	9 5,231	1.27	6.64	-36.1	1,5					
09.14							Samples Collected				
Anal	lytical Para	ameters (include	analysis	method	and nu	mber and type of sa	mple containers)				
		BTEX per EPA	Method 802	21 (3 40m	L Vials w	// HCI preserve)					
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCl preserve)					
							:				
Col		ples Stored on Ice									
	Chain o	f Custody Record	_		ronmont	al Analysis Laboratory,	Albuquerque NM				
Equipm	ont Usad D	Analytical Li uring Sampling:				, YSI Water Quality Me					
Equipin	em Osea D	uring Samping.				ble Bailer	icor,				
Notos/C	omments				Бюросс						
Notes/C	oninients										

MONITO	MONITORING WELL SAMPLING RECORD Animas Environmental Services									
Monitor W	ell No:	MW-2			624 E. (	Comanche, Farmington	NM 87401			
-			•			5) 564-2281 Fax (505) 3				
Site:	Highway 53	37 Station Spill '0	)9			ct No.: AES 090201				
Location:	Rio Arriba C	County, New Me		_		Date: 3-5-09				
		er Monitoring		_	Arrival		_			
	Technician: / No Purge:	N. W. W. 16		- т	Air O.C. Ele.	Temp: <u>4.3°F</u>	-			
	ameter (in):			_	.O.C. Ele Well Dep	• • • • • • • • • • • • • • • • • • • •				
	D.T.W. (ft):		Time:	_ <i>0</i> 93	-	(taken at initial gauging	of all wells)			
	D.T.W. (ft):		Time:	104		(taken prior to purging	well)			
Final	D.T.W. (ft):		Time:			(taken after sample col	llection)			
Water Quality Parameters - Recorded During Well Purging										
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations			
1053	12.48	4.418	6.08	6.96	-45.9	0.25				
1058	12.36	4.497	4.34		-33,9	1.5				
1103	12.14	4,569	2.53	6.88		1.5				
1108	12.01	4.578		6.85						
1112	11.87	4,587		6,83		1.5				
1117	12.00	4.567	2.59	6.82	-29.8	1.5				
IIZZ							Sounder Collected			
110-							- Chipped Cheda			
					<del>                                     </del>					
					<del>  </del>					
		<b></b>		<del></del>	<b></b>					
			<u> </u>	<b></b>	<b>  </b>					
Analyti	cal Parame	∍ters (include	analysis	method	and nu	mber and type of sa	mple containers)			
		BTEX per EPA	Method 802	21 (3 40m	L Vials v	v/ HCl preserve)				
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	. Vials w/ HCl preserve)				
	D	isposal of Purg	jed Water:							
Collect	ed Samples	s Stored on Ice	in Cooler:							
	•	ustody Record (	-							
		-	•		ironment	al Analysis Laboratory, /	Albuquerque, NM			
Eauipment	Used Durir	ng Sampling:	٠.			I, YSI Water Quality Met				
		3				ble Bailer				
Notes/Com	ments									
4044										
					-					

MONITO	MONITORING WELL SAMPLING RECORD Animas Environmental Services								
Monitor W	ell No:	MW-3			624 E. Comanche, Farmington NM 87401				
			_			5) 564-2281 Fax (505)			
		37 Station Spill '(		_	Proje	ct No.: AES 090201	•		
		County, New Me er Monitoring	XICO	-	Arrival	Date: <u>3-5-09</u> Time: 1136	-		
	Technician:		· · · · · · · · · · · · · · · · · · ·	-	Arrival Time: 1136 Air Temp: 43°F				
Purge / No Purge: Purge			- т	.O.C. Ele		-			
Well Diameter (in): 2				Well Dep		•			
	D.T.W. (ft):		Time:	094	14	(taken at initial gauging			
•	D.T.W. (ft):		Time:		•	(taken prior to purging	•		
Final	D.T.W. (ft):		Time:		·	_(taken after sample col			
	·	Water Quality	Paramete	ers - Red	corded	During Well Purging			
ļ. 1	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations		
1143	12,91	4,289	3.79	6.83	-33.1	0.25			
1148	12,12	4,309	3.13	6.73	-30.0	1.75			
1154	12.43	4.320	1.65	6.71	-30,4	1.75			
1158	12.16	4.321	1.94	6.67	-27,4	1.5			
1202	12.16	4.318	1.78	664	-Z8.2	1,5			
1205	12,29	4.310	2.17	6.66	-28.2	1,5			
1210							Samples Collected		
				,					
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)		
		BTEX per EPA	Method 802	21 (3 40m	L Vials w	// HCl preserve)			
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCI preserve)			
	D	isposal of Purg	ed Water:						
Collect	ed Samples	s Stored on Ice	in Cooler:						
	Chain of Cu	stody Record (	Complete:						
		Analytical La	aboratory:	Hall Envi	ronmenta	al Analysis Laboratory, /	Albuquerque, NM		
Equipment	Used Durin	ng Sampling:		Keck Wa	ter Level	, YSI Water Quality Met	er,		
		•		and New	Disposa	ble Bailer			
Notes/Com	ments								
			·						
<del> </del>				· · · · · · · · · · · · · · · · · · ·					

MONITO	RING WE	LL SAMPLIN	G RECO	RD	Anima	as Environmenta	l Services
Monitor We		MW-5			624 E. (	Comanche, Farmington	NM 87401
			-		Tel. (50	5) 564-2281 Fax (505) 3	
		37 Station Spill '0			Projec	ct No.: AES 090201	
Location:	Rio Arriba C	County, New Me				Date: 3-5-09	
•		er Monitoring		_		Time: 1305	
		: <u>N. W. Willis</u>		- т	Air O.C. Ele.	Temp: <u>H3°F</u>	
_	/ No Purge: ameter (in):			_	.O.C. Ele Nell Dep	· /	
		28.24	Time:	_ 10tal V	-	(taken at initial gauging	of all wells)
	D.T.W. (ft):		Time:		<u> </u>	(taken prior to purging	
	D.T.W. (ft):		Time:			(taken after sample col	
	,	Water Quality	Paramete	ers - Rec	orded	During Well Purging	
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations
1310	12.66	6.125	442	6.61	-74.7	0.25	
1315	12,19	6.321	5,39	6.58	-20.9	1.5	
1320	12.10	6.303	5.26	6.63	-20.8	1.5	
1325	11.98	6.100	3.40	6.60	-27.4	1.5	
1330	12.01	6.165	3.47	6.60	-Z1.8	1.5	
1335	11.80	6.098	3.89	6.61	-14.3	1.5	
1340		F	<b></b>				Samples Collected
Analyti	cal Paramo	eters (include	analysis	method	and nu	mber and type of sa	mple containers)
		BTEX per EPA					
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCl preserve)	
	D	isposal of Purç	jed Water:				
Collect	ed Samples	s Stored on Ice	in Cooler:				
	Chain of Cu	ustody Record (	Complete:				
		Analytical L	aboratory:	Hall Envi	ronment	al Analysis Laboratory, /	Albuquerque, NM
Equipment	Used Durin	ng Sampling:		Keck Wa	ter Level	I, YSI Water Quality Met	er,
				and New	Disposa	able Bailer	
Notes/Com	ments						

MONITO	RING WE	LL SAMPLIN	G RECO	RD	Anim	as Environmenta	I Services		
Monitor W	ell No:	MW-6			624 E. (	Comanche, Farmington	NM 87401		
	<b></b>		-			5) 564-2281 Fax (505)			
Site:	Highway 53	37 Station Spill 'C	)9	_	Proje	ct No.: AES 090201	_		
		County, New Me	xico	-	Date: 3-6-08				
•		er Monitoring		-		Time: 08 41	-		
		N. Willis		- т	Air O.C. Ele	Temp: <u>4<i>0</i>°</u> F	-		
Purge / No Purge: Purge Well Diameter (in): 2				_		th (ft): 23,57	-		
Initial		Time:	-	76	(taken at initial gauging	g of all wells)			
	D.T.W. (ft):		Time:			(taken prior to purging			
Final	D.T.W. (ft):		Time:			(taken after sample co	llection)		
Water Quality Parameters - Recorded During Well Purging									
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(µS) (mS)	(mg/L)	рH	(mV)	(see reverse for calc.)	Notes/Observations		
0904	09.06	5,046	6.13	6.77	3.3	0.25			
6907	8,67	4.924	6.49	6.66	6.0	1			
0911	8.72	5,330	6.57	6.55	7.6				
0914	9.21	41.966	4.54	6.60	6.6				
0918	09.28	4,963		6.58	5.0	l			
0921	9.21	4.967	4.30	6.53	4.6				
0928							Samples Collected		
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	imple containers)		
		BTEX per EPA	Method 802	21 (3 40m	L Vials w	// HCl preserve)			
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCl preserve)			
	D	isposal of Purg	ed Water:						
Collect	ed Samples	Stored on Ice	in Cooler:						
	Chain of Cเ	stody Record	Complete:						
		Analytical La	aboratory:	Hall Envi	ronment	al Analysis Laboratory,	Albuquerque, NM		
Equipment	<b>Used Durin</b>	g Sampling:		Keck Wa	ter Level	, YSI Water Quality Me	ter,		
				and New	Disposa	ble Bailer			
Notes/Com	ments								

MONITO	RING WE	LL SAMPLIN	G RECO	RD	Anim	as Environmenta	Services		
Monitor W	ell No:	MW-7			624 E. (	Comanche, Farmington	NM 87401		
1						05) 564-2281 Fax (505) 3			
		37 Station Spill '0		-	<u> </u>	ct No.: AES 090201			
		County, New Me	xico	<i>-</i> -	- <u>-</u>	Date: 3-6-09	· -		
		er Monitoring		-		I Time: <u>0945</u>	-		
	Technician: / No Purge:	N. Willia		- +	Air O.C. Ele	Temp: <u>40°F</u>	· •		
	/ No Purge: ameter (in):			_	.∪.∪. ⊑ie Well Dep	` ' <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>			
		26.34	Time:	107	-	(taken at initial gauging	ว of all wells)		
Confirm	D.T.W. (ft):		Time:			(taken prior to purging			
	D.T.W. (ft):		Time:			(taken after sample col	lection)		
	Water Quality Parameters - Recorded During Well Purging								
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations		
0947	10.86	4.987	3.41	6.58	0.9	0.25			
0951	11.18	5.103	2.23	6.58	-3.7	1			
0954	11.19	5.098	2.17	6.57	-4.0	1			
0957	10.93	5.028	Z.66	6.5Z	-4.2				
1000	11.18	4.959		6.50	-4.4	1			
1003	11.23	4.970		6.50	-3.5	l			
1006	11.18	4.967	2.39	6.49	-2.9	1			
1009	11.34	4.951	1.82	6.49	-3.3				
1012	11.40	4.9.59	2.01	6.49	~3.0				
1015	11.40	4.951	2.17	6.50	-3.3	0.75			
1022							Samples Collected		
				\$ 					
				N. Obs.:	¥		·		
Analytic	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)		
						v/ HCl preserve)			
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCl preserve)			
		·							
	D	isposal of Purg	jed Water:						
Collect	ed Samples	s Stored on Ice	in Cooler:						
,	Chain of Cu	ustody Record (	Complete:						
		Analytical L	aboratory:	Hall Envi	ironment	al Analysis Laboratory, /	Albuquerque, NM		
Equipment	Used Durir	ng Sampling: ﴿		Keck Wa	iter Leve	I, YSI Water Quality Met	er,		
				and New	Disposa	able Bailer			
Notes/Com	Notes/Comments								
					-				

MONITO	MONITORING WELL SAMPLING RECORD Animas Environmental Services									
Monitor W	ell No:	<b>MW-</b> 8			624 E. 0	Comanche, Farmington	NM 87401			
_					5) 564-2281 Fax (505) 3	324-2022				
		37 Station Spill '0		-	Proje	ct No.: AES 090201				
Location: Rio Arriba County, New Mexico				-	Date: <u>3 - 6 - 69</u> Arrival Time: 1038					
Project: Groundwater Monitoring Sampling Technician: ハールルル				-		Time: <u>1038</u> Temp: 40%	-			
	/ No Purge:			- т	O.C. Ele		•			
_	ameter (in):			_		th (ft): 44.13	•			
4	D.T.W. (ft):		Time:	100	-	(taken at initial gauging	of all wells)			
Confirm		Time:			(taken prior to purging	-				
Final	D.T.W. (ft):		Time:			(taken after sample col	lection)			
Water Quality Parameters - Recorded During Well Purging										
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations			
1043	12.07	4.691	4.33	6.42	0.7	0.25				
1046	12.04	4.790	3.81	6.42	-1.5					
1049	11.89	4.786	3.50	6.41	-2.4	l				
1052	11.88	4.752	2.99	6.40	-2.8					
1055	11.87	4,743	2,65	6.39	-3,4					
1058	11.79	4,722	2.18	6.39	-3. <i>5</i>	1				
1101	11.82	4.730	Z.55	6.39	-3. <i>5</i>	1				
1104	11.94	4.720	Z.25	6.40	-4.0	ľ				
1107	11.91	4.731	2.14	6.40	-4.4	1				
1117							Samples Collected			
					,		1			
					:					
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)			
		BTEX per EPA	Method 802	21 (3 40m	L Vials w	v/ HCl preserve)				
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	Vials w/ HCI preserve)				
	D	isposal of Purg	ed Water:							
Collect	ed Samples	Stored on Ice	in Cooler:							
	Chain of Cu	stody Record	Complete:							
		Analytical La	aboratory:	Hall Envi	ronment	al Analysis Laboratory, A	Albuquerque, NM			
Equipment	Used Durin	g Sampling:		Keck Wa	ter Level	l, YSI Water Quality Met	ter,			
and New Disposable Bailer										
Notes/Comments										
				***						
	<u> </u>			<del>,,,,</del>						

MONITO	MONITORING WELL SAMPLING RECORD Animas Environmental Services						
  Monitor W	ell No:	MW-10			624 E. (	Comanche, Farmington	NM 87401
	0		-			5) 564-2281 Fax (505)	
Site:	Highway 53	37 Station Spill '0	)9			ct No.: AES 090201	
		County, New Me	xico	- -		Date: 3 -8 - 09	<u>-</u>
		er Monitoring		-	Arrival		
Sampling Technician: ຼ ໄດ້ ໄດ້ໄດ້ປ່ອ Purge / No Purge: Purge			Air O.C. Ele	Temp: 437 349	F		
	/ No Fulge: ameter (in):			-		th (ft): 38,44	-
		16.15	Time:	-	34	(taken at initial gauging	- g of all wells)
Confirm	D.T.W. (ft):		Time:			(taken prior to purging	well)
Final D.T.W. (ft): Time: (ta				(taken after sample col	llection)		
	1	Water Quality	Paramete	ers - Rec	corded	During Well Purging	l
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations
0843	11.52	4.428	5.44	7.12	-9.1	0.25	
0846	11,18	4.404	5.01	6.88	10.6	1	
0849	11.06	4.516	4.68	6.77	14.9		
0852	11,23	4.563		6.72			
0854	11.10	4.569	4.10	6.69	16.1		
0857	11,23	4,531	3.81	6.67	1	1	
0859	10.51	4.572	3.44	6.62		0.75	
0907							Samples Collected
0 10 1							Campies Conecid
			<u></u>				
	i						
						,	
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)
·		BTEX per EPA	Method 802	21 (3 40m	L Vials w	v/ HCl preserve)	
			·			Vials w/ HCl preserve)	
					· · · · · · · · · · · · · · · · · · ·		
	D	isposal of Purg	ed Water:				
Collect		Stored on Ice	•				
	•	stody Record	•				
		_	•	Hall Envi	ronment	al Analysis Laboratory, <i>i</i>	Albuquerque, NM
Eauipment	Used Durin	g Sampling:				, YSI Water Quality Met	
						ble Bailer	
Notes/Com	ments				· · · · · · · · · · · · · · · · · · ·		
		· · · · · · · · · · · · · · · · · · ·	·		<del> </del>		
					<del></del>		
	· · · · · · · · · · · · · · · · · · ·		2, 1, 1, 19, 19, 19, 19, 19, 19, 19, 19,				
			· · · · · · · · · · · · · · · · · · ·				

MONITO	RING WE	LL SAMPLIN	G RECO	RD	Anima	as Environmenta	l Services
Monitor W	ell No:	MW-11			624 E. (	Comanche, Farmington	NM 87401
						5) 564-2281 Fax (505) 3	324-2022
		37 Station Spill '0		_	Proje	ct No.: AES 090201	•
		County, New Mex er Monitoring	xico	-	Arrival	Date: 3-6-9-3-9	<b>9</b> -09
•	Technician:			Air Temp: 4780F 340F			
	/ No Purge:		>	Т.	.O.C. Ele		, <b>r</b>
Well Dia	ameter (in):	2		_ Total V	Well Dep	th (ft): 43.54	•
		<u> </u>	Time:	10	202	_(taken at initial gauging	·
	D.T.W. (ft): D.T.W. (ft):		Time: Time:		<del></del>	(taken prior to purging t (taken after sample col	•
			-	ers - Rec	orded	During Well Purging	
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(μS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations
0921	11.41	5.660	3.80	6.61	24.3	0.25	·
0924	11.59	5.710	4.82			·	
0927	11,80	5,715	4.80	6.64	19.9	1	
0930	11.64	5.714	4.17	6.64		1	
0934	11.26	5.720	7,99	6.63	18.9		
0938	11.50	5.712	3.30	6.63	184	1	
0941	11.66	5.723	4.19	6.63	18.2	1	
0944	11.77	5,720	3.85		17,4		
0946	11.47	5,730	3.52	6.63	17.1	0.25	
0954							Samples Collected
							<b>Y</b>
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)
		· · · · · · · · · · · · · · · · · · ·				v/ HCl preserve)	
		TPH C ₆ -C ₃₆ per	EPA Metho	od 8015B	(2 40mL	. Vials w/ HCl preserve)	
· <del>L. ·</del>							
	D	isposal of Purg	jed Water:				
Collect	ed Samples	s Stored on Ice	in Cooler:				
	Chain of Cเ	ustody Record (	Complete:		· · · · · · · · · · · · · · · · · · ·		
		Analytical La	aboratory:	Hall Envi	ronmenta	al Analysis Laboratory, /	Albuquerque, NM
Equipment	Used Durin	ng Sampling:	·			I, YSI Water Quality Met	er,
			·	and New	Disposa	ble Bailer	
Notes/Com	ments						

MONITO	RING WE	LL SAMPLIN	G RECO	RD	Anim	as Environmenta	l Services
Monitor W	ell No: MW	1-7 & '06-'0	lias F		624 E. (	Comanche, Farmington	NM 87401
			-, 5k.		Tel. (50	5) 564-2281 Fax (505) 3	324-2022
1		37 Station Spill '0		<del>-</del>	Proje	ct No.: AES 090201	• _
		County, New Me er Monitoring	XICO	-	A rrival	Date: 3 6 3 3	-9-09
	Technician:			-		Temp: 34%	•
	/ No Purge:			Т.	.O.C. Ele		•
	ameter (in):				Vell Dep	th (ft):	•
	D.T.W. (ft):		Time:	10	30	(taken at initial gauging	· · · · · · · · · · · · · · · · · · ·
	D.T.W. (ft):		Time:			(taken prior to purging	•
Final	D.T.W. (ft):		Time:			_(taken after sample col	iection)
		Water Quality	Paramete	ers - Red	corded	During Well Purging	<u> </u>
Temp Conductivity DO				ORP	PURGED VOLUME		
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations
1053	8.14	3,441	4.52	6.49	12.8	1/16	
1058							Samples Collected
1050							anthiba propries
					<u> </u>		
							μ
							,
Analyti	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)
		RTEX per EPA	Method 802	21 (3 40m	l Vials v	v/ HCl preserve)	
		· · · · · · · · · · · · · · · · · · ·				. Vials w/ HCI preserve)	
				<del></del>	`	<u> </u>	
	D	isposal of Purg	ed Water:		·		
Collect		s Stored on Ice					
	-	stody Record					
		-	_	Hall Envi	ronment	al Analysis Laboratory,	Albuquerque, NM
Equipment	Used Durin	ng Sampling:				I, YSI Water Quality Met	
		- · · · .				ble Bailer	
Notes/Com	ments						
· · · · · · · · · · · · · · · · · · ·							

I LONG			0.5500		A i	F	I Comile
MONITO	RING WE	LL SAMPLIN	G RECO	RD	Anım	as Environmenta	il Services
Monitor W	ell No: 从ん	1-9 & '06-i	of soill		624 E. (	Comanche, Farmington	NM 87401
			- · <b>&gt; V</b>		Tel. (50	5) 564-2281 Fax (505)	324-2022
1		37 Station Spill '0		_	Proje	ct No.: AES 090201	
		County, New Me	xico	-	A! I	Date: 3-5-09	-
	Groundwate Technician:	er Monitoring		-		Time: <u>    0                                </u>	•
	/ No Purge:			- т	O.C. Ele		-
	ameter (in):		<u> </u>	_	Vell Dep		•
	D.T.W. (ft):	5ce	Time:	103	_ري	(taken at initial gauging	g of all wells)
	D.T.W. (ft):	<u>' μο</u> τ	Time:			(taken prior to purging	•
Finai	D.T.W. (ft):		Time:			_(taken after sample co	lection)
		Water Quality	Paramete	ers - Rec	orded	During Well Purging	
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observations
			,			<u> </u>	
	1		/		_		
· · · · · · · · · · · · · · · · · · ·	<del>   \                                </del>	<del>- /                                   </del>	$\sim$	1 W	1 ()		
	)			<u>νν.</u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	' _	
					,		
					Į.		
				1		0/	
		01	<del>)                                    </del>			(/5	
				1	V		
			·				
Analytic	cal Parame	eters (include	analysis	method	and nu	mber and type of sa	mple containers)
		BTEX per EPA I	Method 802	21 (3 40m	L Vials w	// HCl preserve)	
						Vials w/ HCI preserve)	
					·		
	D	isposal of Purg	ed Water:				
Collect	ed Samples	Stored on Ice	in Cooler:			-	
	-	stody Record (	•				
	,	<u>=</u>		Hall Envir	ronmont	al Analysis Laboratory,	Albuquorquo NM
		-	- •				
Equipment	Usea Durin	g Sampling:				, YSI Water Quality Met	er,
				and New	Disposa	ble Bailer	
Notes/Com	ments						
3-5-0	9: Bailer	in well	, a+	this t	ime	I had no w	ay of ·
	retrea	_	out	of w	oll.		
3-9-00		, ,	ecovet 1	bailer.	Was	unsuccessful at	this time will
1115-1145	• 1	at another					
revised: 05/							1

MONITO	DING WE	LL SAMPLIN	G PECO	DD	Anim	as Environmenta	I Sonvione
i		LL SAMPLIN	IG RECO	ΝD			
Monitor W	eli No:	MW- 4	_			Comanche, Farmington	
						05) 564-2281 Fax (505)	324-2022
		37 Station Spill		_	Proje	ct No.: A 2 2 2 2 2	_
		County, New Me er Monitoring	XICO	_	A	Date: 4-6-09	-
-	Technician:			-		Temp: 32°F	-
	/ No Purge:			- т	.O.C. Ele		-
	ameter (in):			_		oth (ft): 43.95	•
	D.T.W. (ft):		Time:			(taken at initial gauging	g of all wells)
Confirm	D.T.W. (ft):	27.58	Time:	094	14	(taken prior to purging	=
Final	D.T.W. (ft):		Time:			_(taken after sample co	llection)
	Water Quality Parameters - Recorded During Well Purging						
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	pН	(mV)	(see reverse for calc.)	Notes/Observations
0946	12.69	4.628	2.37	6.77	20.1	0.25	
0952	12.18	4,595	2.50	6.73	20,9	1.5	
0957	12,27	4.587	1.92	6.73		1.5	
1001	12.19	4.598	2.05	6.72	17,1	1.5	
1004	12.27	4.596	1,94	6.73		1.5	
	12.27	4.589	1.84		16.9		
1008	11.87		2.06	6.72		1.5	
1011	VI. DT	4,599	2.06	6.75	18.0	0.5	
1016							Sanples Collected
							·
Analytic	cal Parame	eters (include	analysis ı	method	and nu	mber and type of sa	mple containers)
		BTEX per EPA	Method 802	1 (2 40m	L Vials w	/ HCI)	
		TPH C ₆ -C ₃₆ per	EPA Metho	d 8015B	(2 40mL	Vials w/ HCI)	
·		TPH C ₆ -C ₃₆ per	EPA Metho	d 8015B	( 40mL \	/ials no preservative)	
	Di	isposal of Purg	ed Water:				
Collect		Stored on Ice i	-				
	Chain of Cu	stody Record (	complete:				
		Analytical La	boratory:	Hall Envir	ronmenta	al Analysis Laboratory, A	lbuquerque, NM
quipment	Used Durin	g Sampling:		Keck Wat	ter Level,	YSI Water Quality Mete	er,
		_				ole Bailer	
lotes/Com	nents						
				<u> </u>			

MONITO	RING WE	LL SAMPLIN	IG RECO	RD	Anim	nas Environmenta	al Services		
Monitor W	/ell No:	MW-9		624 E. Comanche, Farmington NM 87401					
						05) 564-2281 Fax (505)	324-2022		
		37 Station Spill			Proje	ect No.: <del>AES 07030</del> 2	_		
		County, New Me	exico	_	Date: <u>4-6-09</u> Arrival Time: 0856				
Project: Groundwater Monitoring Sampling Technician: (), (())		_		Temp: 29°F	-				
Purge / No Purge: Purge			- т	.O.C. El		-			
	ameter (in):					oth (ft): 38,81	·		
	D.T.W. (ft):		Time:			(taken at initial gauging			
	D.T.W. (ft):		_ Time:	096	) [	_(taken prior to purging	-		
Final D.T.W. (ft): Time:			_ I ime:			_(taken after sample co	llectign)		
	,	Water Quality	Paramete	ers - Re	corded	During Well Purging	]		
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(µS) (mS)	(mg/L)	pН	(mV)	(see reverse for calc.)	Notes/Observations		
0906	12,32	5.567	3.51	7.04	12.9	0.25			
0910	12,13	5.322	3.13	6.88	19.9	1			
0913	11.96	5,226	2.82	6.80	23.7	1			
0917	12.02	5,201	2.64	6.76	24.7	1			
0920	12.07	5,200	2.29	6.73	25,3				
0925	11.86	5,174	2,24	6.72	25, Z				
0930							Samples Collected		
Analytic	cal Parame	eters (include	analysis i	method	and nu	mber and type of sa	mple containers)		
	· · · · · · · · · · · · · · · · · · ·	BTEX per EPA I	Method 802	1 (2 40m	L Vials w	// HCI)			
		TPH C ₆ -C ₃₆ per	·				· · · · · · · · · · · · · · · · · · ·		
		TPH C ₆ -C ₃₆ per	EPA Metho	d 8015B	( 40mL \	/ials no preservative)			
	Di	isposal of Purg	ed Water:						
Collect		Stored on Ice							
•	Chain of Cu	stody Record (	- Complete:						
		_	-			al Analysis Laboratory, A			
Equipment	Used Durin	g Sampling:				, YSI Water Quality Met			
		· · · <u>-</u>				ble Bailer	,		
Notes/Com	ments	<u> </u>							
	· · · · · · · · · · · · · · · · · · ·								
· <del></del>									



#### COVER LETTER

Friday, March 20, 2009

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

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

RE: Hwy 537 '09 Spill

Dear Ross Kennemer:

Order No.: 0903121

Hall Environmental Analysis Laboratory, Inc. received 13 sample(s) on 3/9/2009 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, Business Manager Nancy McDuffie, Laboratory Manager

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



Date: 20-Mar-09

**CLIENT:** 

**Animas Environmental Services** 

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-01

Client Sample ID: Field Blank

Collection Date: 3/5/2009 8:16:00 AM

Date Received: 3/9/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES				*	Analyst: DAM
Benzene	ND	1.0	μg/L	1	3/16/2009 3:49:08 PM
Toluene	ND	1.0	μg/L	1	3/16/2009 3:49:08 PM
Ethylbenzene	ND	1.0	μg/L	1	3/16/2009 3:49:08 PM
Xylenes, Total	ND	2.0	μg/L	1	3/16/2009 3:49:08 PM
Surr: 4-Bromofluorobenzene	92.7	65.9-130	%REC	1	3/16/2009 3:49:08 PM

- 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

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-02

Client Sample ID: MW-1

Collection Date: 3/5/2009 9:14:00 AM

Date Received: 3/9/2009

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	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	137	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RANG	SE .				Analyst: DAM
Gasoline Range Organics (GRO)	2.1	0.050	mg/L	1	3/16/2009 4:19:29 PM
Surr: BFB	94.7	59.9-122	%REC	1	3/16/2009 4:19:29 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	310	10	μg/L	10	3/17/2009 12:07:28 PM
Toluene	91	1.0	µg/L	1	3/16/2009 4:19:29 PM
Ethylbenzene	5.1	1.0	µg/L	1	3/16/2009 4:19:29 PM
Xylenes, Total	200	2.0	μg/L	1	3/16/2009 4:19:29 PM
Surr: 4-Bromofluorobenzene	107	65.9-130	%REC	1	3/16/2009 4:19:29 PM

Qua	lifi	ers:
-----	------	------

^{*} Value exceeds Maximum Contaminant Level

S Spike recovery outside accepted recovery limits

MCL Maximum Contaminant Level

RL Reporting Limit

Page 2 of 13

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-03

Client Sample ID: MW-2

Collection Date: 3/5/2009 11:22:00 AM

Date Received: 3/9/2009

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	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	133	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/16/2009 4:49:56 PM
Surr: BFB	78.5	59.9-122	%REC	1	3/16/2009 4:49:56 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	· ND	1.0	μg/L	1	3/17/2009 12:37:58 PM
Toluene	ND	1.0	μg/L	1	3/17/2009 12:37:58 PM
Ethylbenzene	ND	1.0	μg/L	1	3/17/2009 12:37:58 PM
Xylenes, Total	ND	2.0	μg/L	1	3/17/2009 12:37:58 PM
Surr: 4-Bromofluorobenzene	90.8	65.9-130	%REC	1	3/17/2009 12:37:58 PM

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 3 of 13

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-04

Client Sample ID: MW-3

Collection Date: 3/5/2009 12:10:00 PM

Date Received: 3/9/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	3.4	1.0		mg/L	1	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/9/2009
Surr: DNOP	128	58-140		%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	IGE					Analyst: DAM
Gasoline Range Organics (GRO)	8.2	1.0		mg/L	20	3/17/2009 1:10:54 PM
Surr: BFB	88.1	59.9-122		%REC	20	3/17/2009 1:10:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	400	20		μg/L	20	3/17/2009 1:10:54 PM
Toluene	1100	20		μg/L	20	3/17/2009 1:10:54 PM
Ethylbenzene	110	20		μg/L	20	3/17/2009 1:10:54 PM
Xylenes, Total	1300	40		μg/L	20	3/17/2009 1:10:54 PM
Surr: 4-Bromofluorobenzene	101	65.9-130		%REC	20	3/17/2009 1:10:54 PM

- 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

Date: 20-Mar-09

**CLIENT:** Lab Order: Animas Environmental Services

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-05

Client Sample ID: MW-4

Collection Date: 3/5/2009 12:54:00 PM

Date Received: 3/9/2009

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	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	133	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	GE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/17/2009 1:41:26 PM
Surr: BFB	82.5	59.9-122	%REC	1	3/17/2009 1:41:26 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	2.7	1.0	μg/L	1	3/17/2009 1:41:26 PM
Toluene	1.4	1.0	μg/L	1	3/17/2009 1:41:26 PM
Ethylbenzene	ND	1.0	μg/L	1	3/17/2009 1:41:26 PM
Xylenes, Total	ND	2.0	μg/L	1	3/17/2009 1:41:26 PM
Surr: 4-Bromofluorobenzene	87.9	65.9-130	%REC	1	3/17/2009 1:41:26 PM

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

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-06

Client Sample ID: MW-5

Collection Date: 3/5/2009 1:40:00 PM

Date Received: 3/9/2009

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	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	123	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/16/2009 10:25:01 PM
Surr: BFB	86.3	59.9-122	%REC	1	3/16/2009 10:25:01 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	μg/L	1	3/16/2009 10:25:01 PM
Toluene	ND	1.0	μg/L	1	3/16/2009 10:25:01 PM
Ethylbenzene	ND	1.0	µg/L	1	3/16/2009 10:25:01 PM
Xylenes, Total	ND	2.0	µg/L	1	3/16/2009 10:25:01 PM
Surr: 4-Bromofluorobenzene	90.4	65.9-130	%REC	1	3/16/2009 10:25:01 PM

- 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

Date: 20-Mar-09

CLIENT:

**Animas Environmental Services** 

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-07

Client Sample ID: MW-6

Collection Date: 3/6/2009 9:28:00 AM

Date Received: 3/9/2009

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	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	128	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: <b>DAM</b>
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/16/2009 10:55:20 PM
Surr: BFB	86.8	59.9-122	%REC	1	3/16/2009 10:55:20 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	μg/L	1	3/16/2009 10:55:20 PM
Toluene	ND	1.0	μg/L	1	3/16/2009 10:55:20 PM
Ethylbenzene	ND	1.0	μg/L	1	3/16/2009 10:55:20 PM
Xylenes, Total	ND	2.0	μg/L	1	3/16/2009 10:55:20 PM
Surr: 4-Bromofluorobenzene	90.7	65.9-130	%REC	1	3/16/2009 10:55:20 PM

Qualifiers:

- 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

Page 7 of 13

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

Date: 20-Mar-09

CLIENT:

Animas Environmental Services

Lab Order:

0903121

Hwy 537 '09 Spill

Project: Lab ID:

0903121-08

Client Sample ID: MW-7

Collection Date: 3/6/2009 10:22:00 AM

Date Received: 3/9/2009

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	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	132	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	<b>I</b> GE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/16/2009 11:25:47 PM
Surr: BFB	85.9	59.9-122	%REC	1	3/16/2009 11:25:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	μg/L	. 1	3/16/2009 11:25:47 PM
Toluene	ND	1.0	μg/L	1	3/16/2009 11:25:47 PM
Ethylbenzene	ND	1.0	μg/L	1	3/16/2009 11:25:47 PM
Xylenes, Total	ND	2.0	μg/L	1	3/16/2009 11:25:47 PM
Surr: 4-Bromofluorobenzene	89.0	65.9-130	%REC	1	3/16/2009 11:25:47 PM

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

Date: 20-Mar-09

**CLIENT:** 

**Animas Environmental Services** 

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-09

Client Sample ID: MW-8

Collection Date: 3/6/2009 11:12:00 AM

Date Received: 3/9/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGI		··			Analyst: SCC
Diesel Range Organics (DRO)	1.5	1.0	mg/L	1	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/9/2009
Surr: DNOP	135	58-140	%REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAI	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	2.1	0.050	mg/L	1	3/16/2009 11:56:10 PM
Surr: BFB	94.8	59.9-122	%REC	1	3/16/2009 11:56:10 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	160	10	μg/L	10	3/17/2009 2:14:43 PM
Toluene	170	10	μg/L	10	3/17/2009 2:14:43 PM
Ethylbenzene	12	10	μg/L	10	3/17/2009 2:14:43 PM
Xylenes, Total	350	20	μg/L	10	3/17/2009 2:14:43 PM
Surr: 4-Bromofluorobenzene	103	65.9-130	%REC	10	3/17/2009 2:14:43 PM

- 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

Date: 20-Mar-09

CLIENT:

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-10

Client Sample ID: MW-9

**Collection Date:** 3/6/2009 12:00:00 PM

Date Received: 3/9/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual Un	ıits	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0	mg	/L	1	3/9/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg	/L	1	3/9/2009
Surr: DNOP	138	58-140	%R	REC	1	3/9/2009
EPA METHOD 8015B: GASOLINE RAN	IGE					Analyst: DAM
Gasoline Range Organics (GRO)	2.5	0.050	mg/	/L	1	3/17/2009 12:26:40 AM
Surr: BFB	84.9	59.9-122	%R	REC	1	3/17/2009 12:26:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	170	10	μg/l	L	10	3/17/2009 2:47:53 PM
Toluene	350	10	μg/l	L	10	3/17/2009 2:47:53 PM
Ethylbenzene	49	10	μg/l	L	10	3/17/2009 2:47:53 PM
Xylenes, Total	530	20	μg/l	L	10	3/17/2009 2:47:53 PM
Surr: 4-Bromofluorobenzene	106	65.9-130	%R	REC	10	3/17/2009 2:47:53 PM

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

Page 10 of 13

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

т 1

Hwy 537 '09 Spill

Project: Lab ID:

0903121-11

Client Sample ID: MW-10

Collection Date: 3/9/2009 9:07:00 AM

Date Received: 3/9/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE					<del></del>	Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0	г	mg/L	1	3/13/2009
Motor Oil Range Organics (MRO)	ND	5.0	r	mg/L	1	3/13/2009
Surr: DNOP	132	58-140	Ç	%REC	1	3/13/2009
EPA METHOD 8015B: GASOLINE RAN	IGE					Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	r	mg/L	1	3/17/2009 12:57:11 AM
Surr: BFB	88.2	59.9-122	g	%REC	1	3/17/2009 12:57:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	1.0	١	ug/L	1	3/17/2009 3:18:25 PM
Toluene	ND	1.0	j.	ug/L	1	3/17/2009 3:18:25 PM
Ethylbenzene	ND	1.0	۲	.g/L	1	3/17/2009 3:18:25 PM
Xylenes, Total	ND	2.0	١	ıg/L	1	3/17/2009 3:18:25 PM
Surr: 4-Bromofluorobenzene	84.6	65.9-130	9,	%REC	1	3/17/2009 3:18:25 PM

- 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

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-12

Client Sample ID: MW-11

Collection Date: 3/9/2009 9:54:00 AM

Date Received: 3/9/2009

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	3/13/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/13/2009
Surr: DNOP	136	58-140	%REC	1	3/13/2009
EPA METHOD 8015B: GASOLINE RAI	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/17/2009 1:27:42 AM
Sum: BFB	85.7	59.9-122	%REC	1	3/17/2009 1:27:42 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	μg/L	1	3/17/2009 3:48:54 PM
Toluene	ND	1.0	μg/L	1	3/17/2009 3:48:54 PM
Ethylbenzene	ND	1.0	μg/L	1 ,	3/17/2009 3:48:54 PM
Xylenes, Total	ND	2.0	μg/L	1	3/17/2009 3:48:54 PM
Surr: 4-Bromofluorobenzene	94.6	65.9-130	%REC	1	3/17/2009 3:48:54 PM

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

Page 12 of 13

Date: 20-Mar-09

**CLIENT:** 

Animas Environmental Services

Lab Order:

0903121

Project:

Hwy 537 '09 Spill

Lab ID:

0903121-13

Client Sample ID: MW-7 of '06-'07 Spill

Collection Date: 3/9/2009 10:58:00 AM

Date Received: 3/9/2009

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	3/13/2009
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	3/13/2009
Surr: DNOP	127	58-140	%REC	1	3/13/2009
EPA METHOD 8015B: GASOLINE RAI	NGE				Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	3/17/2009 1:58:09 AM
Surr: BFB	86.7	59.9-122	%REC	1	3/17/2009 1:58:09 AM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	μg/L	1	3/17/2009 1:58:09 AM
Toluene	ND	1.0	μg/L	1	3/17/2009 1:58:09 AM
Ethylbenzene	ND	1.0	μg/L	1	3/17/2009 1:58:09 AM
Xylenes, Total	ND	2.0	μg/L	1	3/17/2009 1:58:09 AM
Surr: 4-Bromofluorobenzene	89.0	65.9-130	%REC	1	3/17/2009 1:58:09 AM

RL Reporting Limit

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

Date: 20-Mar-09

# **QA/QC SUMMARY REPORT**

Client:

Animas Environmental Services

Project:

Hwy 537 '09 Spill

Work Order:

0903121

Project: Hwy 557 09	эрш						Y	ork Or	der: 0903121
Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLir	nit Qual
Method: EPA Method 8015B: Di	iesel Range	)							
Sample ID: MB-18496		MBLK			Batch if	D: <b>18496</b>	Analysis Da	ate:	3/9/200
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: MB-18518		MBLK			Batch ID	): <b>18518</b>	Analysis Da	ate:	3/13/200
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-18496		LCS			Batch ID	): <b>18496</b>	Analysis Da	ite:	3/9/200
Diesel Range Organics (DRO)	5.645	mg/L	1.0	113	74	157			
Sample ID: LCS-18518		LCS			Batch ID	18518	Analysis Da	ite:	3/13/200
Diesel Range Organics (DRO)	5.665	mg/L	1.0	113	74	157			
Sample ID: LCSD-18496		LCSD			Batch ID	18496	Analysis Da	ite:	3/9/200
Diesel Range Organics (DRO)	5.834	mg/L	1.0	117	74	157	3.29	23	
Sample ID: LCSD-18518		LCSD			Batch ID	18518	Analysis Da	ite:	3/13/200
Diesel Range Organics (DRO)	6.467	mg/L	1.0	129	74	157	13.2	23	
Wethod: EPA Method 8015B: Ga	eoline Ran	ne							
Sample ID: 0903121-03A MSD	asomic itan	MSD			Batch ID	: R32793	Analysis Da	ite: 3/	16/2009 7:52:29 PM
-	0.5694		0.050	108	80	115	4.13	8.39	
Gasoline Range Organics (GRO)  Sample ID: 5ML RB	0.5054	mg/L <i>MBLK</i>	0.050	100	Batch ID		Analysis Da		16/2009 9:00:09 AN
	ND		0.050		Datonib	. 1(02/00	, maryono Da	. 0	10/2000 0.00.00 / 11
Gasoline Range Organics (GRO)  Sample ID: 2.5UG GRO LCS	ND	mg/L LCS	0.050		Batch ID	: R32793	Analysis Da	te: 3/	17/2009 4:32:45 AN
-	0.5040		0.050	407			Allalysis Da	tc. 5/	1772003 4.32.43 AN
Gasoline Range Organics (GRO)	0.5342	mg/L <i>M</i> S	0.050	107	80 Batch ID	115 : <b>R32793</b>	Analysis Da	to: 2/	16/2009 7:21:55 PN
Sample ID: 0903121-03A MS	0.5004		0.050	440			Analysis Da	ie. 3/	10/2009 7.21.55 PN
Gasoline Range Organics (GRO)	0.5934	mg/L	0.050	113	80	115			
Method: EPA Method 8021B: Vo	latiles								
Sample ID: 0903121-02A MSD		MSD			Batch ID	R32793	Analysis Da	te: 3/	16/2009 6:51:30 PN
Ethylbenzene	26.71	μg/L	1.0	108	83.5	118	0.894	10	
Sample ID: 5ML RB		MBLK			Batch ID	R32793	Analysis Da	te: 3/	16/2009 9:00:09 AM
Benzene	ND	μg/L	1.0						
oluene	ND	μg/L	1.0						
thylbenzene	ND	μg/L	1.0						
(ylenes, Total	ND	µg/L	2.0						
Sample ID: 100NG BTEX LCS		LCS			Batch ID	R32793	Analysis Da	te: 3/	17/2009 4:02:13 AN
Benzene	20.87	µg/L	1.0	104	85.9	113			
	22.01	μg/L	1.0	110	86.4	113			
oluene		**	4.0	107	83.5	118			
thylbenzene	21.49	μg/L	1.0						
thylbenzene ylenes, Total	21.49 64.51	μg/L	2.0	108	83.4	122			
thylbenzene						122	Analysis Da	te: 3/	16/2009 6:21:04 PM

0	uali	fie	rs

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

#### Sample Receipt Checklist

Client Name ANII	MAS ENVIRONMENTAL				Date Receive	d:	3/9/2009	
Work Order Numb	er 0903121	X		1	, Received by	r: ARS	<b>N</b>	
	anni Cara			20	Sample ID la	abels checked t		Anada
Checklist complete	ed by:	$\mathcal{W}_{}$		Date	1104		Initials	
Matrix:		Carrier name:	Grey	hound				
Shipping container	/cooler in good condition?		Yes	<b>✓</b>	No 🗆	Not Present		
Custody seals intac	ct on shipping container/co	oler?	Yes	$\checkmark$	No 🗌	Not Present	☐ Not Shipped	
Custody seals intac	ct on sample bottles?		Yes		No 🗌	N/A	<b>✓</b>	
Chain of custody p	resent?		Yes	V	No 🗌			
Chain of custody si	igned when relinquished an	d received?	Yes	<b>✓</b>	No 🗌			
Chain of custody a	grees with sample labels?		Yes	<b>✓</b>	No 🗔			
Samples in proper	container/bottle?		Yes	$\checkmark$	No 🗌			
Sample containers	intact?		Yes	V	No 🗌			
Sufficient sample v	olume for indicated test?		Yes	$\checkmark$	No 🗌			
All samples receive	ed within holding time?		Yes	$\checkmark$	No 🗌			
Water - VOA vials I	have zero headspace?	No VOA vials subm	nitted		Yes 🗹	No 🗌		
Water - Preservation	on labels on bottle and cap	match?	Yes		No 🗔	N/A 🗹		
Water - pH accepta	able upon receipt?		Yes		No 🗆	N/A 🗹		
Container/Temp Bla	ank temperature?			1°	<6° C Acceptable			
COMMENTS:					If given sufficient	time to cool.		
Client contacted		Date contacted:			Dore	on contacted		
		Date Contacted.				on contacted		
Contacted by:	0	Regarding:						
Comments:	kecieved ren	minina so	un	ple	$\perp$ on $3$	25		
_			-	1		1		
Corrective Action								

TATING COLONIA	BORATORY	сош	WM 87109	5-4107	st	,	⁹⁸ 7-	*) X	H	-Vc FB 9T	1208 1208 1208 82108 14 Bubbles	X	×	×	××	XX	×	×	×	×	×				
	ANALYSIS LABORATORY	www.hallenvironmental.com	kins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis			(F. (P	₽09 !∀c	or B or F stals on, I:	ANG) (Methors (ANG) (ANG														3909
			4901 Hawkins NE	Tel. 505-		(Ŋu	Gas or	) H97 :2) 8	-+	9 8( BE	BTEX + MT BTEX + MT TPH Metho bried)												Remarks:	1	
		,	11:05						TOWN CONTRACTOR	到"是",在代1150	HENT No.		2	2	+	22	_0	~	00	6.	10		Date Time	0 0	
Fime:	□ Rush		37 ,09		102	ger:	Kemen	Nathan	3. 181		Preservative Type	HCI						_		<b>&gt;</b>	401		1. m. Tam	Maria	04:40
Turn-Around Time:	Standard Standard	riojeci Naine	Hwy 537	Project/#:	04020	Project Manager:	Ross	Sampler:			Container Type and #	2-40 plake	\$-40mkles	/			_		/	7	5-40mlalas	,	Received by:	Market Land	3
Chain-of-Custody Record	Client: Animas Environmental Services	- 1	E. Comanche	X	56	7707-478-5	☐ Level 4 (Full Validation)				Sample Request ID	Field Blank	M12)-1	MW1-Z	MW-3	H-MW	MW-5	MW-6	MM-7	MW-8	P-M14		y sq pe		0840 Debrah Water
n-of-Cu	Mas Envi		H70) :sse	o ton . A	7505	# 50S	ge:		□ Other	(ә)	ле Matrix	420		/		<u></u>	0	18	7.7	7 7	och oc				0840 Rebru
Chai	Client: An		Mailing Address: 624	Farmington	Phone #:	email or Fax#:	QA/QC Package:	Accreditation	O NELAP	□ EDD (Type)	Date Time	1-5-09 086	/ ORIH	( 1122	1210	h-571 ↑	-5-09 1340	-6-09 1928	7201 /	2111	-6-04 1200		Date: Time:		-

CHUTDONIMENTAL	ANALYSIS LABORATORY	2						98_			Air Bubbles														
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2			environmental.com		1107		-				-imə2) 0728	/		/											
3			al.co		505-345-4107	uest	Г			()	8260B (VO														
-	1,	, L	ment		505-	Request		bcB.a	Z808 /	səp	8081 Pestic														
	ľ		viron		<b>Fax</b>	Analysis	(*C	PO4,50	3'NOS'		O,7) anoinA	-													
	>		· 8			Anal			(		RCRA 8 Me														
	1 4	•	www.hallenvironmental.com		Tel. 505-345-3975		-			_	EDB (Metho	_													
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	_ L						(	1208) s	'amt -	- 38	TEX + MTI													Ren	
			llic					<u>,</u>	11.5		- Well 16		=	71	13	2	3	t	5	q	T	S	5	3/9/09 1600	1
Time:	□ Rush		1,98 80'T		-	1070	ger:	Ross Kennemer	Sampler: Nathan Willi	ielaluje 7	Preservative Type	7	7	3,1	2	Z		/				7	Ny Dres.	Wilder	1.12
Turn-Around Time:	Standard	Project Name:	HWY 537	Droiport #	rioject#.	070 00	Project Manager:	Ross Ka	Sampler: No	一日日中の	Container Type and #	2. 40nl dan	1-40 mt stub 5-40mt class	1-40 mides	1-40 at 5/465 5-40 at 6/45	1-40m)-ab-	,	/				7	-Hont dass	Receivedby:	Received by:
Chain-of-Custody Record	Client: Animas Environmental Services	HYNEYBEAL ON VICES	Mailing Address: 1.74 E Page 1.5 1.5	· Contamble	8740	505-564-7281		☐ Level 4 (Full Validation)			Sample Request ID	Field Blank			11:95 £0,-90, to £-(MY)		2-MW	MW3	MW-4	MW-5	9-MW	4-WW-7	8-M	(AMM)	11/1/2000
-of-Cu	FINAN		1. 1.74 E	100	NW D	25-50			□ Other		Matrix	H30			120	Hzo	/				/	>	_	Relinquished by:	ď
nain	JAMAS	CHANA	ddress		प्रकृष	2	-ax#:	ackage:	ation	Type)	Time	9180	9907	<b>अ</b> डम	850	1005	1008	1101	1015	1017	120	2201	1030	Time:	Time:
ਹ	Client: A		Mailing A	1	Tarming pon.	Phone #:	email or Fax#:	QA/QC Package:	Accreditation DELAP	□ EDD (Type)	Date	5-09 0816	-9-09 C	9-00-6	9-09		1	1	/		/	7	9-09	Date: T	



#### **COVER LETTER**

Thursday, April 09, 2009

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

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

RE: HWY 537 '09 Spill (BMG)

Dear Ross Kennemer:

Order No.: 0904104

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 4/8/2009 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, Business Manager Nancy McDuffie, Laboratory Manager

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



Date: 09-Apr-09

CLIENT:

Animas Environmental Services

Lab Order:

0904104

Project:

HWY 537 '09 Spill (BMG)

Lab ID:

0904104-01

Client Sample ID: MW-9

Collection Date: 4/6/2009 9:30:00 AM

Date Received: 4/8/2009

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	4/8/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/8/2009
Surr: DNOP	118	58-140		%REC	1	4/8/2009
EPA METHOD 8015B: GASOLINE RAN	GE					Analyst: DAM
Gasoline Range Organics (GRO)	1.6	0.050		mg/L	1	4/8/2009 1:04:32 PM
Surr: BFB	95.0	59.9-122		%REC	1	4/8/2009 1:04:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	82	1.0		μg/L	1	4/8/2009 1:04:32 PM
Toluene .	62	1.0		µg/L	1	4/8/2009 1:04:32 PM
Ethylbenzene	16	1.0		µg/L	1	4/8/2009 1:04:32 PM
Xylenes, Total	210	2.0		µg/L	1	4/8/2009 1:04:32 PM
Surr: 4-Bromofluorobenzene	104	65.9-130		%REC	1	4/8/2009 1:04:32 PM

Qualifiers:

S Spike recovery outside accepted recovery limits

RL Reporting Limit

Page 1 of 3

Value exceeds Maximum Contaminant Level

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

MCL Maximum Contaminant Level

Date: 09-Apr-09

CLIENT:

**Animas Environmental Services** 

Lab Order:

0904104

Project:

HWY 537 '09 Spill (BMG)

Lab ID:

0904104-02

Client Sample ID: MW-4

Collection Date: 4/6/2009 10:16:00 AM

Date Received: 4/8/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE</b>					Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	4/8/2009
Motor Oil Range Organics (MRO)	. ND	5.0	mg/L	1	4/8/2009
Surr: DNOP	121	58-140	%REC	1	4/8/2009
EPA METHOD 8015B: GASOLINE RAN	GE				Analyst: DAM
Gasoline Range Organics (GRO)	NĐ	0.050	mg/L	1 1	4/8/2009 12:03:20 PM
Surr. BFB	90.6	59.9-122	%REC	1	4/8/2009 12:03:20 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	μg/L	1	4/8/2009 12:03:20 PM
Toluene	ND	1.0	μg/L	1	4/8/2009 12:03:20 PM
Ethylbenzene	ND	1.0	μg/L	1	4/8/2009 12:03:20 PM
Xylenes, Total	ND	2.0	μg/L	1	4/8/2009 12:03:20 PM
Surr: 4-Bromofluorobenzene	92.5	65.9-130	%REC	1	4/8/2009 12:03:20 PM

Qualifiers:

RL Reporting Limit

Page 2 of 3

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

Date: 09-Apr-09

CLIENT:

Animas Environmental Services

Lab Order:

0904104

HWY 537 '09 Spill (BMG)

Project: Lab ID:

0904104-03

Client Sample ID: Trip Blank

Collection Date:

Date Received: 4/8/2009

Matrix: AQUEOUS

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RA	NGE	· · · · · · · · · · · · · · · · · · ·			Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	4/8/2009 1:34:55 PM
Surr: BFB	82.8	59.9-122	%REC	1	4/8/2009 1:34:55 PM
EPA METHOD 8021B: VOLATILES					Analyst: DAM
Benzene	ND	1.0	µg/L	1	4/8/2009 1:34:55 PM
Toluené	ND	1.0	µg/L	1	4/8/2009 1:34:55 PM
Ethylbenzene	ND	1.0	μg/L	1	4/8/2009 1:34:55 PM
Xylenes, Total	ND	2.0	µg/L	1 ·	4/8/2009 1:34:55 PM
Surr: 4-Bromofluorobenzene	82.0	65.9-130	%REC	1	4/8/2009 1:34:55 PM

Qualifiers:

Page 3 of 3

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

Date: 09-Apr-09

# QA/QC SUMMARY REPORT

Client:

Animas Environmental Services

Project:

HWY 537 '09 Spill (BMG)

Work Order:

0904104

									0704104
Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDI	Limit Qual
Method: EPA Method 8015B: D	iesel Range								410.000
Sample ID: MB-18768		MBLK			Batch	ID: 18768	Analysis	Date:	4/8/200
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-18768		LCS			Batch	ID: 18768	Analysis I	Date:	4/8/2009
Diesel Range Organics (DRO)	6.247	mg/L	1.0	125	74	157			
Sample ID: LCSD-18768		LCSD			Batch	ID: <b>18768</b>	Analysis i	Date:	4/8/2009
Diesel Range Organics (DRO)	6.252	mg/L	1.0	125	74	157	0.0720	23	
Method: EPA Method 8015B: G	asoline Ran	ge				•			
Sample ID: 6ML RB		MBLK			Batch	ID: R33149	Analysis [	Date:	4/8/2009 9:30:49 AN
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		LCS			Batch	ID: <b>R33149</b>	Analysis [	Date:	4/8/2009 5:39:14 PM
Gasoline Range Organics (GRO)	0.5466	mg/L	0.050	109	80	115			
Sample ID: 2.5UG GRO LCSD		LCSD			Batch	D: <b>R33149</b>	Analysis [	Date:	4/8/2009 6:09:43 PM
Gasoline Range Organics (GRO)	0.5290	mg/L	0.050	106	80	115	3.27	8.39	
Method: EPA Method 8021B: Vo	latiles								
Sample ID: 5ML RB		MBLK			Batch i	D: R33149	Analysis D	Date:	4/8/2009 9:30:49 AM
Benzene .	ND	μg/L	1.0						
Foluene	ND	μg/L	1.0						
Ethylbenzene	ND	μg/L	1.0						
Kylenes, Total	ND	μg/L	2.0						
Sample ID: 100NG BTEX LCS		LCS			Batch I	D: <b>R33149</b>	Analysis D	ate:	4/8/2009 6:40:07 PM
Benzene	20.84	μg/L	1.0	104	85.9	113			
foluene	21.64	μg/L	1.0	108	86.4	113			
Ethylbenzene	20.96	µg/L	1.0	105	83.5	118			
(ylenes, Total	62.38	µg/L	2.0	104	83.4	122			
Sample ID: 100NG BTEX LCSD		LCSD			Batch I	D: R33149	Analysis D	ate:	4/8/2009 7:10:39 PM
Benzene	19.93	µg/L	1.0	99.6	85.9	113	4.48	27	
oluene	20.09	μg/L	1.0	100	86.4	113	7.43	19	
thylbenzene	19.94	µg/L	1.0	99.7	83.5	118	4.99	10	

#### Qualifiers:

Page 1

E Estimated value

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

### Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL	•			Date Receive	d:		4/8/2009	
Work Order Number 0904104				Received by	: AT			
	/ //			Sample ID to	ibels checked	by:	A	
Checklist completed by:	Mu		Date	717/09			Initials	
Matrix:	Carrier name	Gre	yhound					
Shipping container/cooler in good condition?		Yes	$\mathbf{Z}$	No 🗆	Not Present			
Custody seals intact on shipping container/cool	er?	Yes	$\checkmark$	No 🗆	Not Present		Not Shipped	
Custody seals intact on sample bottles?		Yes		No 🗆	N/A	$\checkmark$		
Chain of custody present?		Yes	$\mathbf{Z}$	No 🗌				
Chain of custody signed when relinquished and	received?	Yes	$\mathbf{V}$	No 🗆				
Chain of custody agrees with sample labels?		Yes	$\checkmark$	No 🗆				
Samples in proper container/bottle?		Yes	$\mathbf{V}$	No 🗌	•			
Sample containers intact?		Yes	$\mathbf{Z}$	No 🗌				
Sufficient sample volume for indicated test?		Yes	$\mathbf{Z}$	No 🗆				
All samples received within holding time?		Yes	<b>✓</b>	No 🗆				
Water - VOA vials have zero headspace?	No VOA vials subm	itted		Yes 🗹	No 🗆			
Water - Preservation labels on bottle and cap m	atch?	Yes		No 🗆	N/A 🗹			
Water - pH acceptable upon receipt?		Yes		No 🗆	N/A 🗹			
Container/Temp Blank temperature?			6°	<6° C Acceptable	•			
COMMENTS:				If given sufficient	time to cool.			
			:			==		
Client contacted	Date contacted:			Perso	n contacted			
Contacted by:	Regarding:							
Comments:								
Johnness.							· · · · · · · · · · · · · · · · · · ·	
7,110					<del></del>			
					44.			
Corrective Action								
Corrective Action								

THE CALL ENVISORMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis	(†O	o ses	ə) I	HTP+ (1.81) (1.40) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1) (A(1)) (A(1) (A(1) (A(1)) (A(1) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1)) (A(1) (A(1) (A(1)) (A(1) (A(1) (A(1)) (A(1) (A(1) (A(1)) (A(1) (A(1) (A(1)) (A(1) (A(1)) (A(1) (	TBE od 8 60 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	BTEX + MT BTEX + MT TPH (Methoracing (PNA B310	X							 Remarks:	000	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Tum-Around Time: Ar 4181	Rus	Project Name:	HWON 537 '09 SON (BMG)	_	040201	Project Manager.	2	Ross Kennemer	2		Container Preservative Fig. 6 Type and # Type 7	5-401 class 1- 1101	4-461	77					Received by: Daton 4-6-09 1650	Received by:  Date Time  4 8/4 0800	
Record	Client: Animas Environmental Services		Mailing Address: 624 E. Congude	67401	7,77		:a6:	X Standard	Accreditation	□ EDD (Type)	Date Time Matrix Sample Request ID	P-C-09 630 H20 MW-9	4,0	Ÿ					Date: Time: Relinquished by:	Date: Time: Relinquished by: 4-1-69 0840 Allmak Wattur	⊣ ა