3R-342

Ground Water Investigation Report

Date: 5/5/10

AES Animas Environmental Services, LLC

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

3RP-342-0

May 7, 2010

RECEIVED
MAY 2010
OIL CONS. DIV. DIST. 3

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

RE: Williams Four Corners, LLC, Sammons #2 Pipeline Groundwater Investigation Report

Dear Mr. von Gonten:

On behalf of Williams Four Corners, LLC, Animas Environmental Services, LLC (AES) is pleased to submit one copy of the Site Investigation Report for the Sammons #2 pipeline spill located in Flora Vista, New Mexico.

A copy of the report has also been submitted to Mr. Brandon Powell of the New Mexico Oil Conservation Division in Aztec, New Mexico and Mr. Nick Clark, private property owner.

If you have any questions regarding AES' qualifications or the contents of the report, please do not hesitate to contact Ross Kennemer or Tami Ross at (505) 564-2281.

Sincerely,

Tami C. Ross

Tami C. Ross, CHMM
Project Manager

District Copy
For Scanning Only
Has NOT been processed.

Enclosure: Site Investigation Report

Cc: Mr. Brandon Powell
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

AES Animas Environmental Services, LLC

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

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

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

Site Investigation Report
Williams Four Corners, LLC
Sammons #2 Pipeline
December 2009 Release
SE¼ NE¼ Section 32, T30N, R12W
Flora Vista, San Juan County,
New Mexico

May 5, 2010

Prepared on behalf of:
Williams Four Corners, LLC
188 CR 4900
Bloomfield, NM 87413

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 Williams Four Corners, LLC, has prepared this Groundwater Investigation Report for Williams' Sammons #2 oil spill, which was discovered on December 3, 2009.

Site investigation work was completed in accordance with a workplan prepared by AES and dated January 25, 2010. The workplan 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 Site Location

The general project area is located in a rural area approximately 0.1 mile east of County Road 3000 on private property owned by Ms. Helen Clark. The spill location is located approximately 140 feet southeast of a wetland area that is adjacent to the Animas River. The project area is described legally as being located within the SE¼ NE¼ Section 32, T30N, R12W in San Juan County, New Mexico. Longitude and latitude were recorded as being N36°46'18.240" and W108°06'54.540". A topographic site location map is included as Figure 1, and a Site Vicinity Map is presented as Figure 2.

2.2 Spill History

On December 3, 2009, trenching operations during routine pipeline replacement activities uncovered petroleum hydrocarbon contaminated soils. Williams was in the process of replacing an in-service 2-inch diameter natural gas pipeline with a new 4-inch diameter natural gas pipeline. The pipeline connects the Sammons 2 well locations, which are owned by Conoco Phillips. The volume of natural gas condensate released into the surrounding environment and the length of time that the 2-inch diameter pipeline was leaking are unknown.

The NMOCD was notified of the discovered release by Williams on December 3, 2009, and Mr. Brandon Powell of NMOCD visited the site that afternoon. A verbal workplan was agreed upon by Williams and NMOCD to excavate the source area, since it was evident that groundwater had been impacted. Average depth to groundwater at the site is approximately 2 feet below ground surface (bgs).

Initial remedial activities were completed between December 7 and 17, 2009, and included excavation of approximately 1,884 cubic yards of petroleum contaminated soil (PCS) and removal of 1,122 barrels (bbls) of petroleum contaminated groundwater. Petroleum

contaminated soil and groundwater were transported to Industrial Ecosystems, Inc. (IEI) on Crouch Mesa, San Juan County, for disposal.

3.0 Geology and Hydrogeology

3.1 Geology

San Juan County, New Mexico, is located in the San Juan Basin, which 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 local site geology consists of Animas River alluvium, including clay to coarse sands, from the surface to approximately 3.5 feet bgs. River cobbles were encountered at approximately 3.5 feet bgs.

3.2 Hydrogeology

The Sammons #2 Pipeline is within the Animas River flood plain and located approximately 140 feet southeast of a wetland area south of and adjacent to the Animas River. Based on measurements from the excavation area, groundwater underlying the spill site is approximately 2 feet bgs.

3.3 Sensitive Receptors

The project area is located in a rural area south of the Animas River, but the general area is still within the more densely populated areas of San Juan County (i.e. Farmington, Aztec, and Bloomfield). There are no known schools, day care centers, nursing homes or senior centers within the immediate vicinity.

4.0 Site Investigation – February and March 2009

On March 30, 2010, 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 six monitor wells and collection of soil and groundwater samples. Work was completed in accordance with the workplan prepared by AES and dated January 25, 2010, 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 Mr. Nick Clark, the private property owner representative.

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 Aaron Dailey of Williams, Glen von Gonten of NMOCD, and Nick Clark via telephone before starting field activities.

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 meetings addressed site-specific health and safety concerns or issues.

4.5 Installation and Sampling of Soil Borings

On March 30, 2010, AES installed six monitor wells at and in the vicinity of the previous excavation in order to define the lateral and vertical extent of near surface and subsurface soil contamination. All monitor wells (MW-1 through MW-6) were installed with a GeoProbe DT 6620 track-mounted direct push rig. Wells MW-1 through MW-5 were set at a total depth of 6 feet bgs, and MW-6 was set at a total depth of 7 feet bgs. The locations of soil borings/monitor wells are presented on Figure 3.

4.5.1 Drilling Methods

Soil borings MW-1 through MW-6 were advanced with a GeoProbe DT 6620 track-mounted direct push rig subcontracted through Earth Worx, Los Lunas, New Mexico.

4.5.2 Soil Sample Collection

Soil samples were collected from continuously driven core-barrel samplers during advancement of the soil borings. One soil sample was collected from the core barrel sampler and transferred to appropriately labeled sample containers. The sample was split

for field screening of volatile organic compounds (VOCs) with a photo-ionization detector (PID) organic vapor meter (OVM) and laboratory analysis. The soil samples were collected from the capillary fringe just above groundwater level. Soil sample collection was completed in strict accordance with AES 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, grain size, contaminant presence, and overall stratigraphy.

4.5.3 Field Screening

Samples were collected at approximately 2 feet bgs 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 10 minutes were 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 previously approved workplan and AES 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) (C_6-C_{36}) 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 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 six monitor wells were installed at the site. Monitor wells were positioned around the excavation area in order to define any horizontal extent of contaminants in groundwater. Groundwater was encountered between approximately 1.5 to 2.0 feet bgs.

Monitor well construction consisted of 1.4-inch outside diameter (OD) Schedule 40 PVC screen and 1-inch blank riser casing. The screened interval extended 5 feet across the water table. The wells were constructed of a 1.4-inch OD pre-packed screen (0.010-inch slot.) The screen was factory packed with 20/40 Colorado silica sand. A bentonite seal was placed above the sand pack, and concrete grout with approximately 5 percent bentonite was poured from the top of the bentonite plug to approximately 0.5 feet of ground surface. An above grade locking steel protective casing, 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-6 are included on the soil boring logs in Appendix A.

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 plastic water tank. Approximately 60 gallons of development water was disposed of at Industrial Ecosystems NMOCD permitted landfarm. Monitor wells were developed in strict accordance with AES SOPs. Details of monitor well development including purged water volume are included on a Groundwater Monitor Well Development Form, which is presented in Appendix B.

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 was 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 April 20, 2010. Groundwater samples were collected from a total of 6 monitor wells 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 8260
- TPH (C_6-C_{36}) GRO, DRO, and MRO – EPA Method 8015 Modified

A field blank was analyzed for BTEX per EPA Method 8260.

5.0 Results

5.1 Soil

5.1.1 Lithology

Soil lithology was observed to consist of sandy clay and silty clays throughout the site. Soils within the excavation backfill consist of coarse sand. Soil boring logs with monitor well construction details are included in Appendix A.

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-1 through MW-6 and ranged from 0.0 parts per million (ppm) to 7.3 ppm. Details of PID-OVM readings above background levels are as follows:

- **MW-1** – VOCs 2.4 ppm from 0-4' bgs composite
- **MW-2** – VOCs 4.2 ppm from 0-4' bgs composite
- **MW-3** – VOCs 7.3 ppm from 0-4' bgs composite
- **MW-4** – VOCs 4.4 ppm from 0-4' bgs composite
- **MW-5** – VOCs 0.0 ppm from 0-4' bgs composite
- **MW-6** – VOCs 2.4 ppm from 0-4' bgs composite

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

5.1.3 Soil Analytical Results

Soil samples were collected from the capillary fringe above the groundwater level. 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 all soil borings were below laboratory detection limits for all contaminants of concern.

The analytical results for the soil samples collected during the site investigation have been tabulated and are presented in Table 1. Soil analytical laboratory reports are presented in Appendix C.

5.2 Groundwater

Newly installed monitor wells were developed by AES personnel on April 19, 2010, and groundwater samples from six monitor wells were subsequently collected for laboratory analysis on April 20, 2010.

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 9.60°C to 11.09°C. Conductivity ranged from 1.670 mS to 4.392 mS. 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. Based on groundwater elevation data, the hydraulic gradient was calculated to be approximately 0.01 ft/ft from southeast to northwest. Depth to groundwater measurements and water quality data are summarized in Table 2, and groundwater elevation contours are presented in Figure 4. Water Sample Collection forms are presented in Appendix B.

5.2.2 Groundwater Analytical Results

Analytical results from groundwater samples collected during the April 2010 sampling events show benzene concentrations exceeded the New Mexico Water Quality Control Commission (WQCC) standard of 10 µg/L in one well, MW-1 (11 µg/L). The remaining wells had benzene, toluene, ethylbenzene, and xylene concentrations either below laboratory detection limits or well below applicable WQCC standards.

WQCC standards have not been established for TPH. Diesel and motor oil range organics were below laboratory detection limits for all wells sampled. Low level gasoline range organics were detected in MW-2, MW-4, MW-5, and MW-6. The analytical results for groundwater samples collected during the April 2010 sampling event have been tabulated and are presented in Table 3 and on Figure 5. Groundwater analytical laboratory reports are presented in Appendix C.

6.0 Conclusion and Recommendations

A total of six monitor wells were installed by AES March 30, 2010. Soils were found to consist of sand and sandy to silty clays. Groundwater was found to exist at approximately 1.0 to 2.43 feet bgs. Soil samples collected showed reported contaminant concentrations below laboratory detection limits.

Depths to groundwater varied across the site and were observed to exist at about 1.0 to 2.43 feet bgs from the top of the well casing. The groundwater gradient was calculated to be approximately 0.01 ft/ft to the northwest. A baseline groundwater monitoring and sampling event was conducted by AES on April 20, 2010. The groundwater analytical results showed that groundwater is impacted above the WQCC standard for benzene in MW-2.

Based upon the results of the site investigation associated with the Sammon's #2 Pipeline release, the source excavation activities in December 2009 were successful in removing petroleum contaminated soil. Groundwater has been impacted within the source excavation area near MW-2; dissolved phase benzene concentrations are just slightly above the WQCC regulatory standard, at 11 µg/L.

The lateral extent groundwater contamination appears to have been defined in all directions. AES recommends conducting three more quarters of groundwater monitoring and sampling (for one year total) of all wells in order to monitor the natural attenuation of the dissolved phase groundwater contamination. AES also recommends collecting one confirmation groundwater sample directly from the wetland area adjacent to the spill site.

7.0 Certification

I, the undersigned, am personally familiar with the information submitted in this Site Investigation Report, prepared on behalf of Williams Four Corners, LLC for the March 30 and April 20, 2010 site activities associated with the December 2009 Sammons #2 Pipeline release in Flora Vista, San Juan County, New Mexico. I attest that it is true and complete to the best of my knowledge.

Tami C. Ross

Tami C. Ross, CHMM
Project Manager

Elizabeth D. McNally

Elizabeth McNally, P.E.
Principal

8.0 References

Animas Environmental Services, LLC (AES). *Groundwater Investigation Workplan for Williams Four Corners, LLC, Sammons #2 Pipeline Spill,* January 25, 2010.

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.

USEPA. 2001. Contract Laboratory Program (CLP) Guidance for Field Samplers. OSWER 9240.0-35, EPA 540-R-00-003. June, 2001.

TABLE 1

SUMMARY OF SOIL LABORATORY ANALYTICAL RESULTS

Williams Sammons #2 Pipeline Release Investigation

Flora Vista, San Juan County, New Mexico

Sample ID	Date Sampled	Benzene	Toluene	Ethyl-benzene	Xylene	GRO (C6-C10)	DRO (C10-C22)	MRO (C22-C32)	TPH
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Analytical Method		8021B	8021B	8021B	8021B	8015B	8015B	8015B	418.1
NMOCD Action Level		50							100
SB #1	30-Mar-10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	<20
SB #2	30-Mar-10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	<20
SB #3	30-Mar-10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	<20
SB #4	30-Mar-10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	<20
SB #5	30-Mar-10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	<20
SB #6	30-Mar-10	<0.050	<0.050	<0.050	<0.10	<5.0	<10	<50	<20

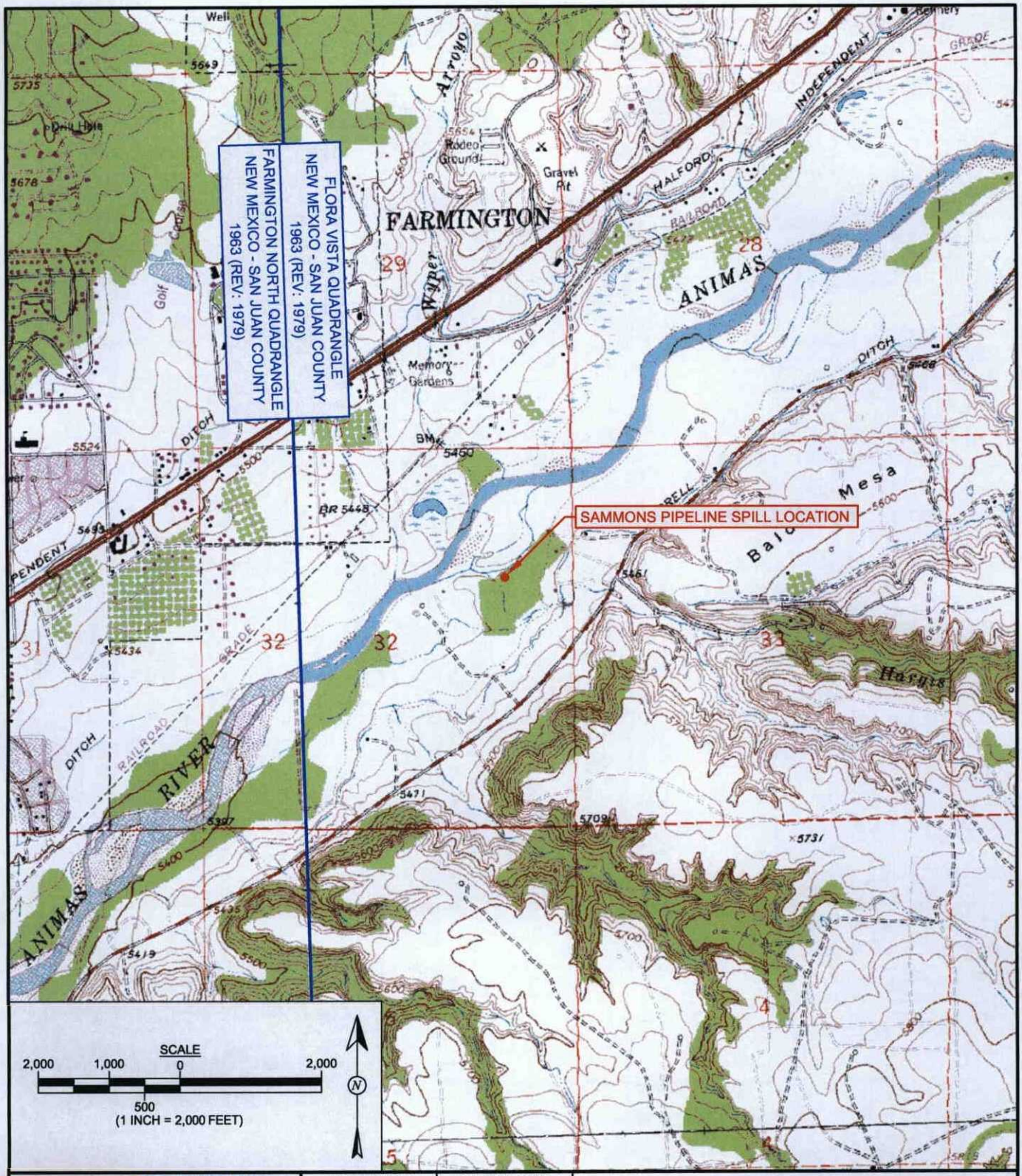
TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
Williams Four Corners #2 Pipeline Release Investigation
Flora Vista, San Juan County, New Mexico

Well ID	*Date Sampled*	*Depth to Water (ft)*	*Surveyed TOC (ft)*	*GW Elev. (ft)*	*Temperature (C)*	*Conductivity (mS)*	*DO (mg/L)*	*pH*	*ORP (mV)*
MW-1	20-Apr-10	2.43	5427.26	5424.83	10.19	4.392	0.43	7.05	35.1
MW-2	20-Apr-10	1.11	5424.98	5423.87	10.37	1.670	0.20	7.39	-132.7
MW-3	20-Apr-10	1.77	5425.44	5423.67	9.73	2.005	0.24	7.21	-69.0
MW-4	20-Apr-10	1.59	5424.38	5422.79	9.60	2.174	0.22	7.29	-88.4
MW-5	20-Apr-10	1.00	5424.17	5423.17	9.88	3.140	0.21	7.37	-102.6
MW-6	20-Apr-10	1.04	5424.91	5423.87	11.09	2.277	0.22	7.28	-113.6

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Williams Four Corners #2 Pipeline Release Investigation
Flora Vista, San Juan County, New Mexico

Well ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	GRO (C6-C10)	DRO (C10-C22)	MRO (C22-C32)
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Analytical Method		8260B	8260B	8260B	8260B	8015	8015	8015
WQCC Standard		10	750	750	620	NE	NE	NE
MW-1	20-Apr-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-2	20-Apr-10	11	<1.0	2.4	22	1.1	<1.0	<5.0
MW-3	20-Apr-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-4	20-Apr-10	9.9	<1.0	<1.0	<1.5	0.074	<1.0	<5.0
MW-5	20-Apr-10	9.7	<1.0	<1.0	<1.5	0.055	<1.0	<5.0
MW-6	20-Apr-10	4.6	<1.0	11	47	3.2	<1.0	<5.0
Field Blank	20-Apr-10	<1.0	<1.0	<1.0	<1.5	NA	NA	NA

Notes: **< - Analyte below laboratory detection limit**
NA - Not Analyzed
NE - Not Established

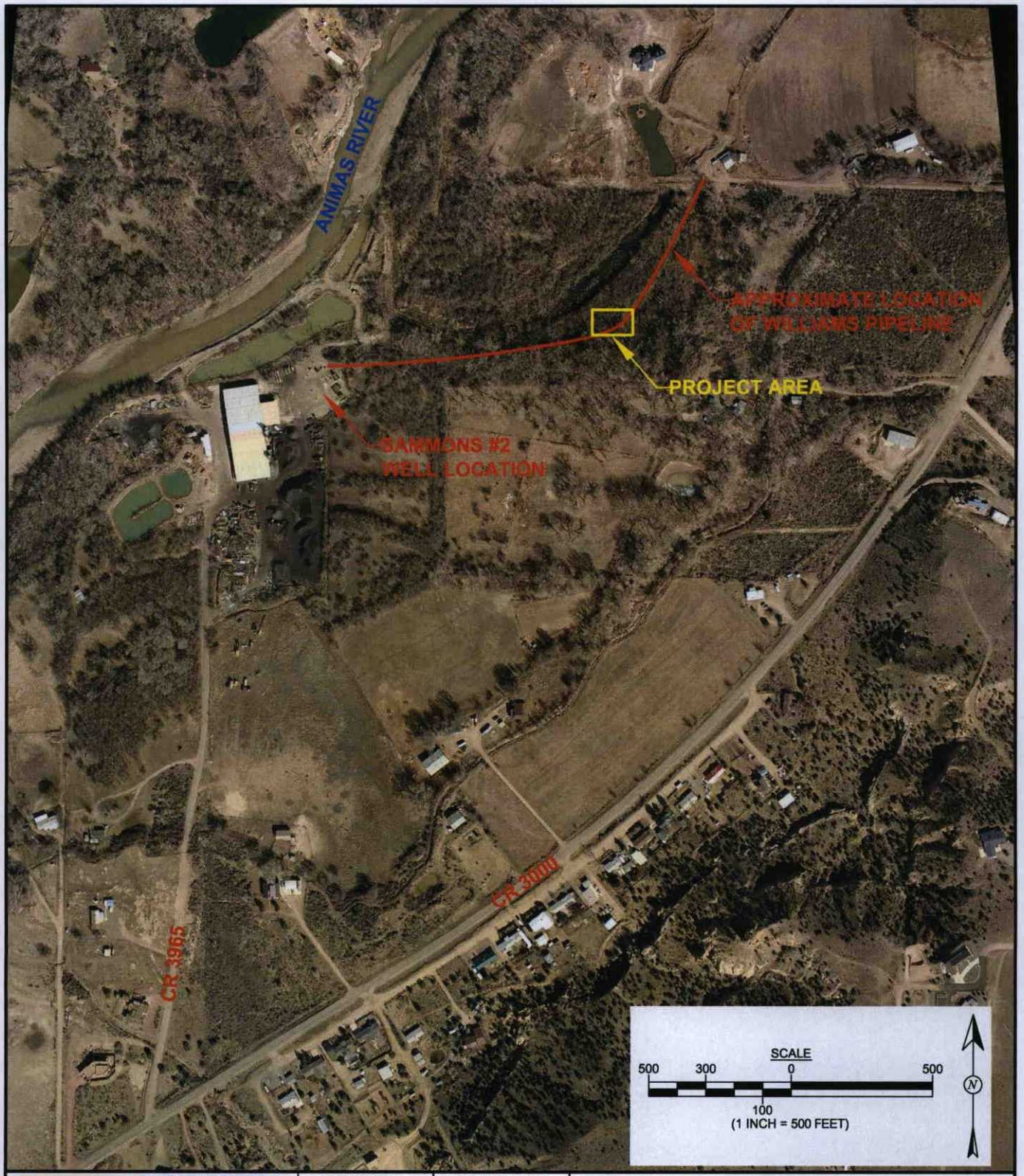


DRAWN BY: N. Willis	**DATE DRAWN:** December 22, 2009
REVISIONS BY: C. Lameman	**DATE REVISED:** January 5, 2010
CHECKED BY: R. Kennemer	**DATE CHECKED:** January 11, 2010
APPROVED BY: E. McNally	**DATE APPROVED:** May 5, 2010

Animas Environmental Services, LLC

FIGURE 1
TOPOGRAPHIC SITE LOCATION MAP
WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE SPILL
COUNTY ROAD 3000
SE ¼ NE ¼, SEC. 32, T30N, R12W
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N 36° 46' 18.240", W 108° 06' 54.540"

S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS PRODUCTION\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 1 TOPOGRAPHIC SITE LOCATION MAP

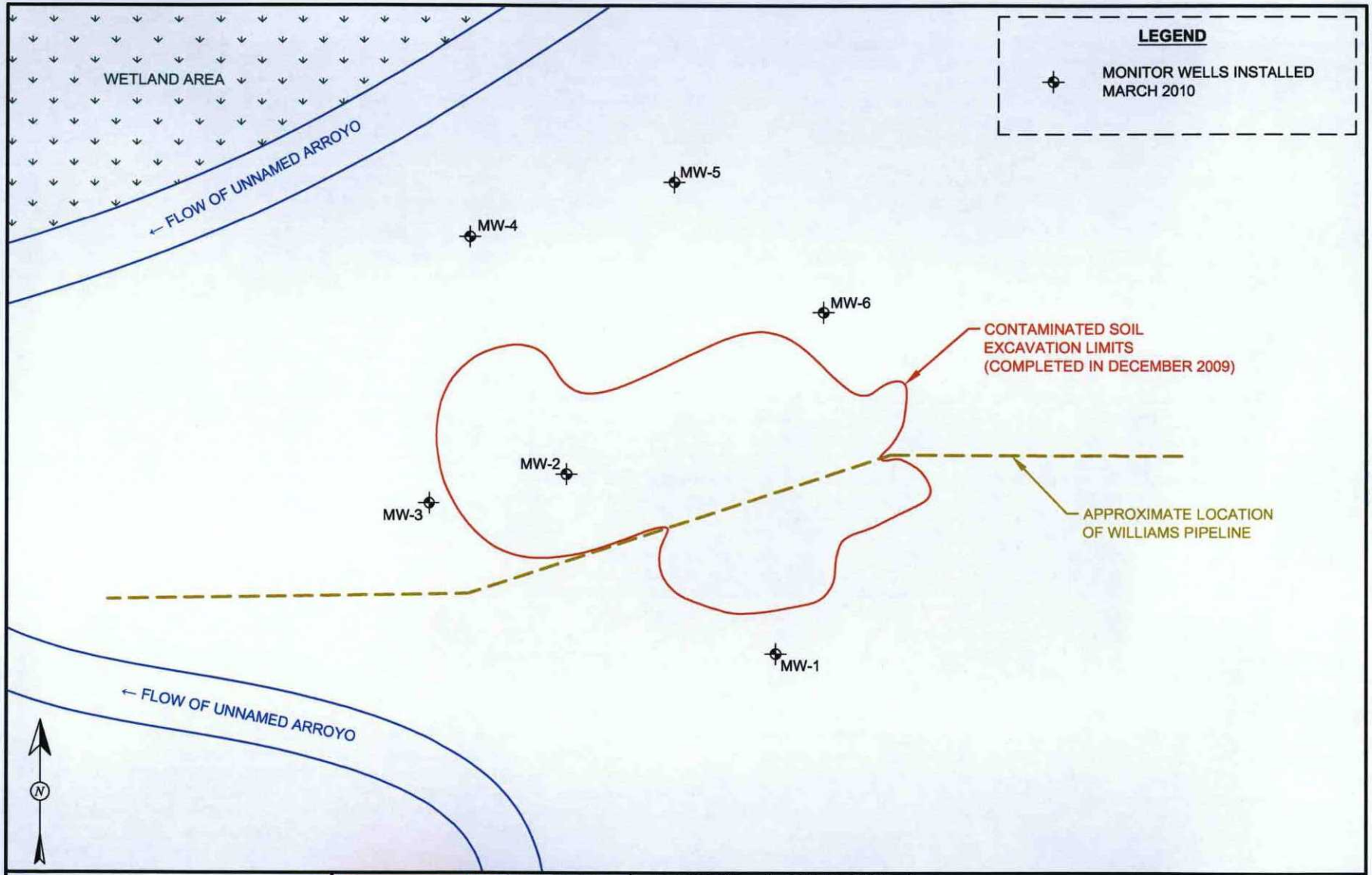


Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
N. Willis	December 22, 2009
REVISIONS BY:	**DATE REVISED:**
N. Willis	December 22, 2009
CHECKED BY:	**DATE CHECKED:**
R. Kennemer	January 11, 2010
APPROVED BY:	**DATE APPROVED:**
E. McNally	May 5, 2010

FIGURE 2
SITE VICINITY MAP
WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE SPILL
COUNTY ROAD 3000
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N 36° 46' 18.240", W 108° 06' 54.540"

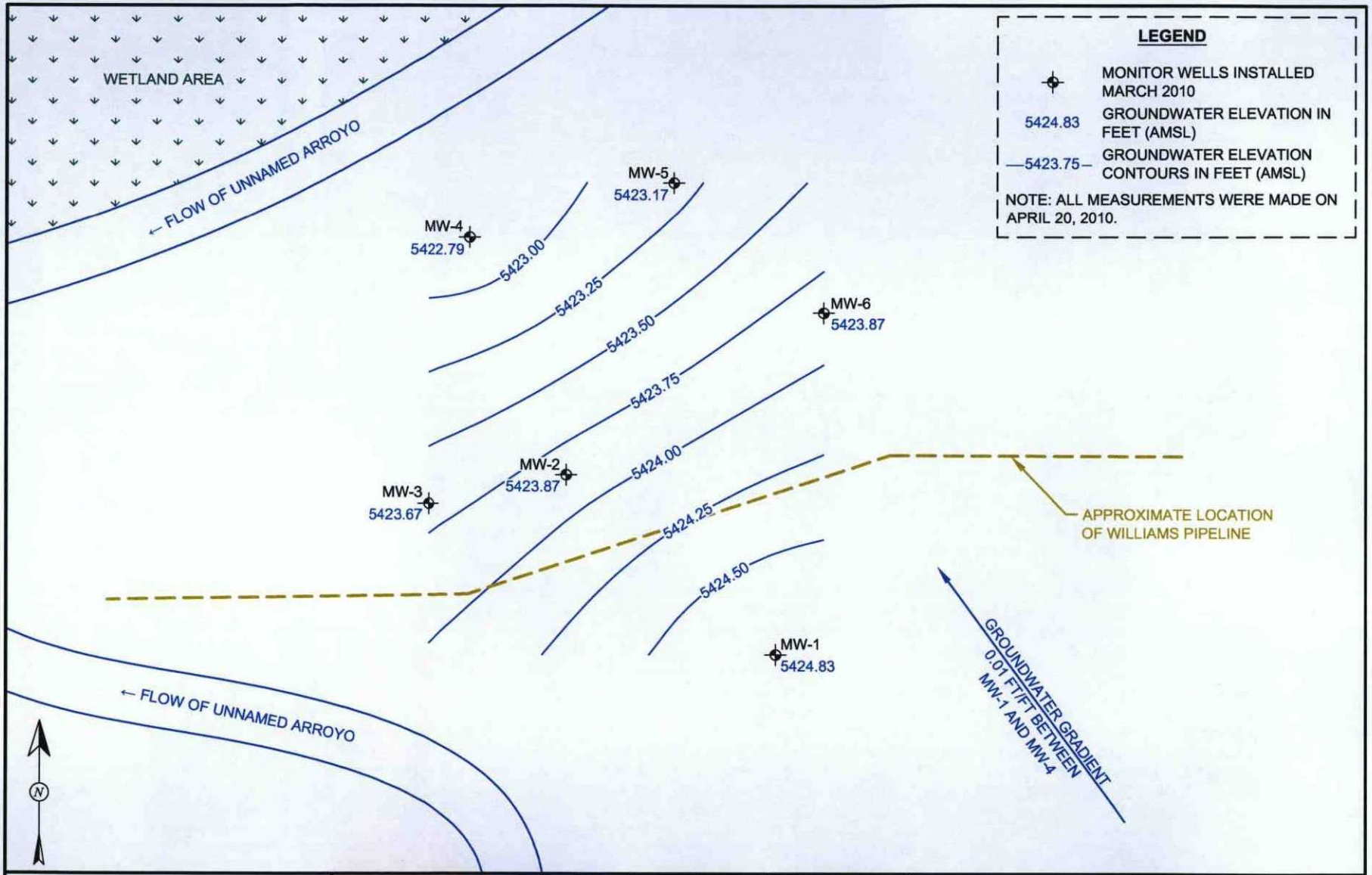
S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS PRODUCTION\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 2 SITE VICINITY MAP



DRAWN BY: C. Lameman	**DATE DRAWN:** April 13, 2010
REVISIONS BY: C. Lameman	**DATE REVISED:** April 13, 2010
CHECKED BY: T. Ross	**DATE CHECKED:** April 30, 2010
APPROVED BY: E. McNally	**DATE APPROVED:** May 5, 2010

FIGURE 3
MONITORING WELL LOCATIONS
WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE SPILL
COUNTY ROAD 3000
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N36°46'18.240", W108°06'54.540"

S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS PRODUCTION\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 3 GENERAL SITE PLAN

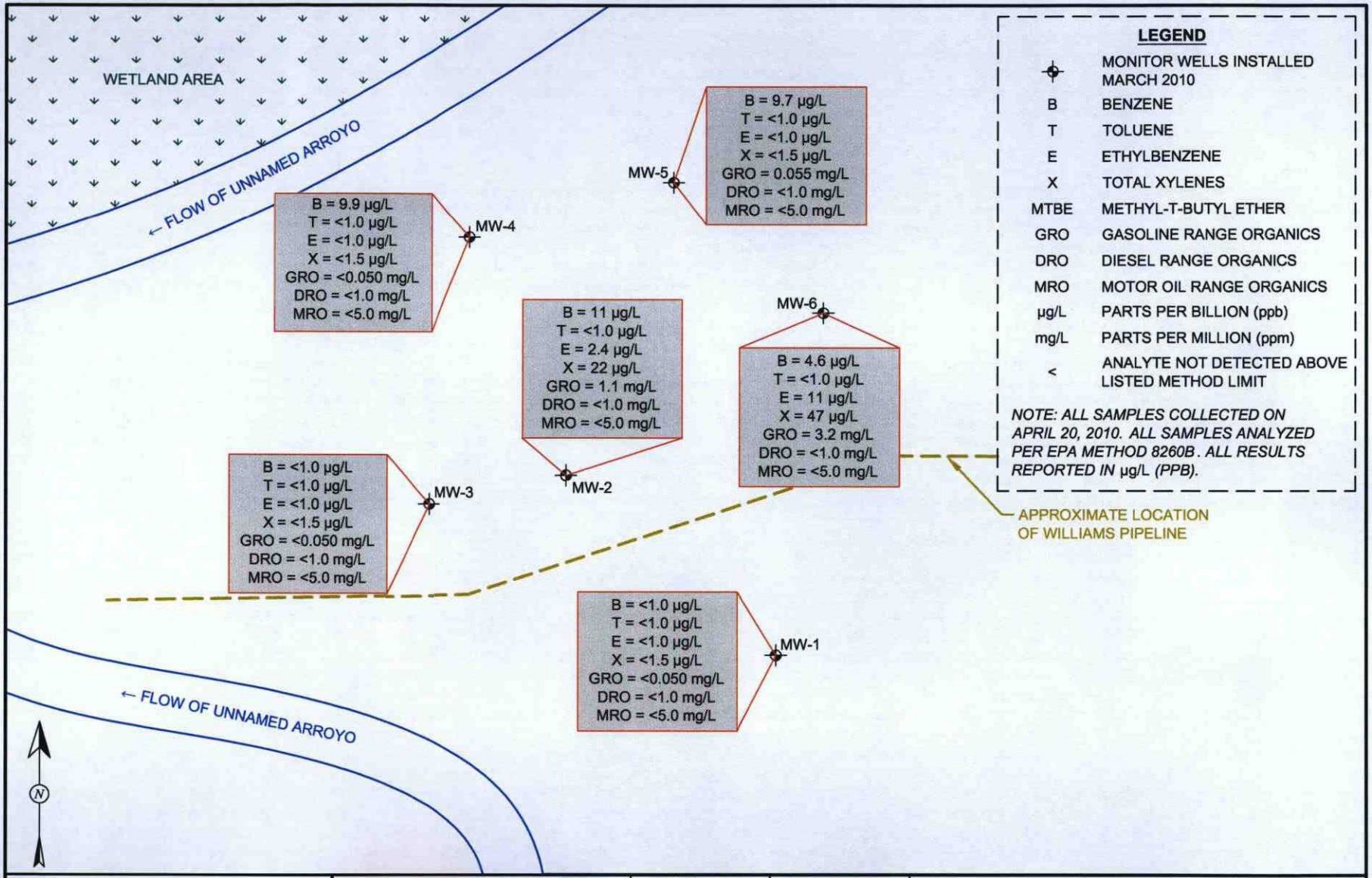


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	**DATE DRAWN:** April 27, 2010
REVISIONS BY: C. Lameman	**DATE REVISED:** April 27, 2010
CHECKED BY: T. Ross	**DATE CHECKED:** April 30, 2010
APPROVED BY: E. McNally	**DATE APPROVED:** May 5, 2010

FIGURE 4
GROUNDWATER ELEVATION CONTOURS
APRIL 2010
WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE SPILL
COUNTY ROAD 3000
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N36°46'18.240", W108°06'54.540"

S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS PRODUCTION\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 4 GROUNDWATER ELEVETION CONTOURS



Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	April 27, 2010
REVISIONS BY:	**DATE REVISED:**
C. Lameman	April 27, 2010
CHECKED BY:	**DATE CHECKED:**
T. Ross	April 30, 2010
APPROVED BY:	**DATE APPROVED:**
E. McNally	May 5, 2010

FIGURE 5
GROUNDWATER ANALYTICAL RESULTS
APRIL 2010
WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE SPILL
COUNTY ROAD 3000
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N36°46'18.240", W108°06'54.540"

S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS FOUR CORNERS LLC\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 5 GROUNDWATER ANALYTCIAL RESULTS

LOG OF: SB-1/MW-1

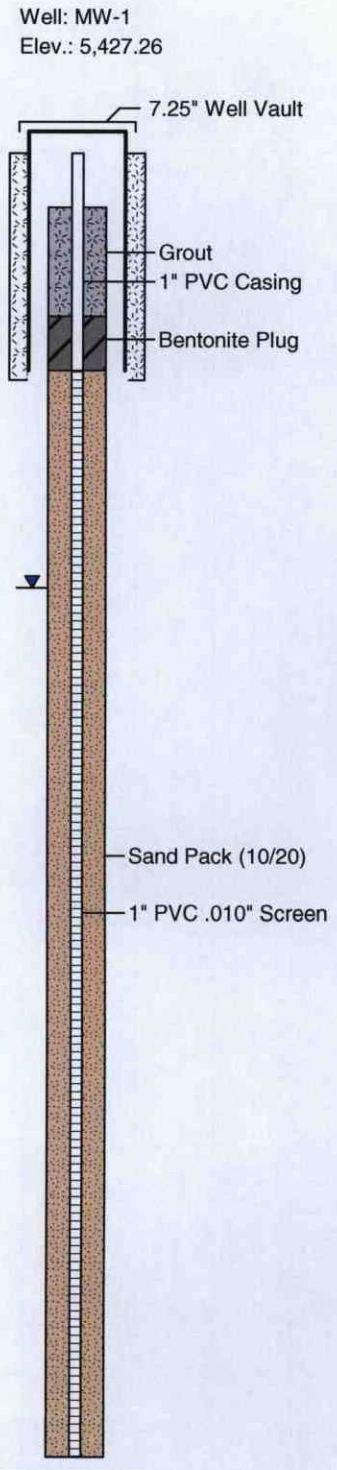
Animas Environmental Services, LLC

SAMMONS #2 PIPELINE 2009 SPILL

FLORA VISTA, NEW MEXICO

Date Started	: 03/30/10	Northing Coord.	: 2100299.669
Date Completed	: 03/10/10 (as MW-1)	Easting Coord.	: 2640683.94
Hole Diameter	:	Survey By	: Arrow Engineering
Drilling Method	: Geoprobe	Logged By	: T. Ross
Sampling Method	:		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0		SC		Sandy Clay, dark brown, with organic matter.	
1		SP		Coarse sand, tan, no odor, moist. Wet at 2 feet.	
2					
3					2.4
4				Coarse sand, tan, no odor, and wet.	
5		SP			
6					



05-07-2010 S:\Animas 2000\2010 Projects\Williams Four Corners LLC\Sammons #2 GW Investigation 2010\Soil Boring Logs\SB-1 MW-1.bor

LOG OF: SB-2/MW-2

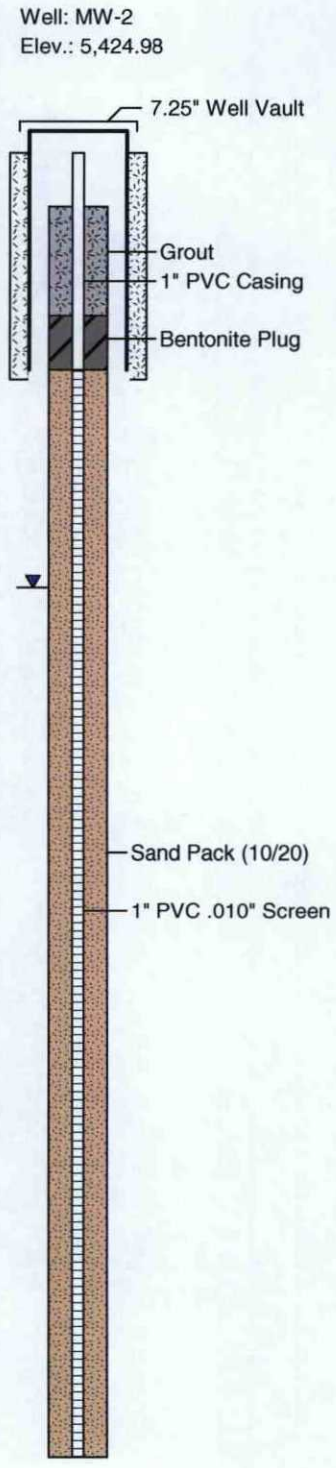
Animas Environmental Services, LLC

SAMMONS #2 PIPELINE 2009 SPILL

FLORA VISTA, NEW MEXICO

Date Started	: 03/30/10	Northing Coord.	: 2100361.525
Date Completed	: 03/10/10 (as MW-2)	Easting Coord.	: 2640612.184
Hole Diameter	:	Survey By	: Arrow Engineering
Drilling Method	: Geoprobe	Logged By	: T. Ross
Sampling Method	:		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0					
		SP		Coarse Sand, tan, clean fill from prior excavation, no odor. Wet at 2 feet.	4.2
6					



LOG OF: SB-3/MW-3

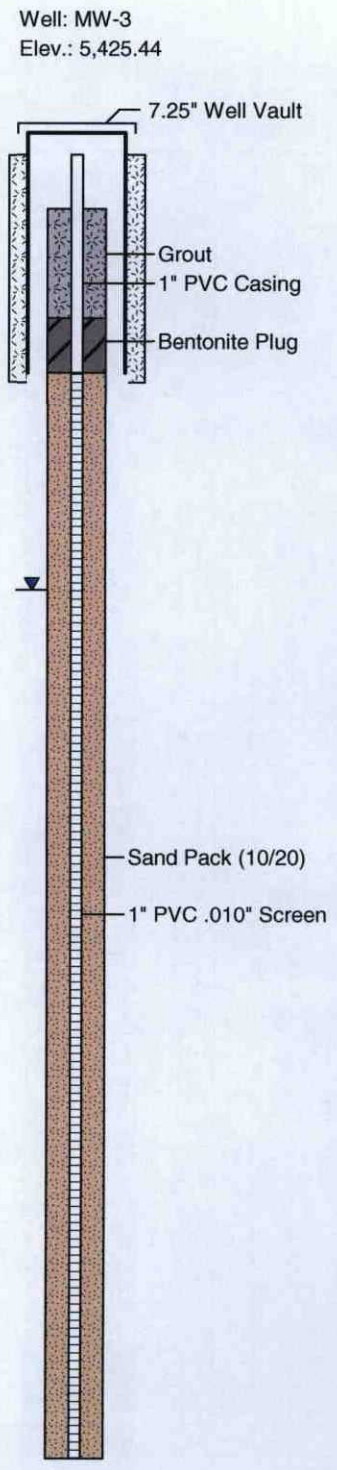
AES Animas Environmental Services, LLC

SAMMONS #2 PIPELINE 2009 SPILL

FLORA VISTA, NEW MEXICO

Date Started	: 03/30/10	Northing Coord.	: 2100351.618
Date Completed	: 03/10/10 (as MW-3)	Easting Coord.	: 2640564.806
Hole Diameter	:	Survey By	: Arrow Engineering
Drilling Method	: Geoprobe	Logged By	: T. Ross
Sampling Method	:		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0		SC		Sandy Clay, dark brown, with organic matter.	
1		SC		Silty Clay, light brown, moist, and no odor.	
2		SC		Silty Clay, dark grey with black streaks, wet and no odor.	7.3
3					
4					
5					
6					



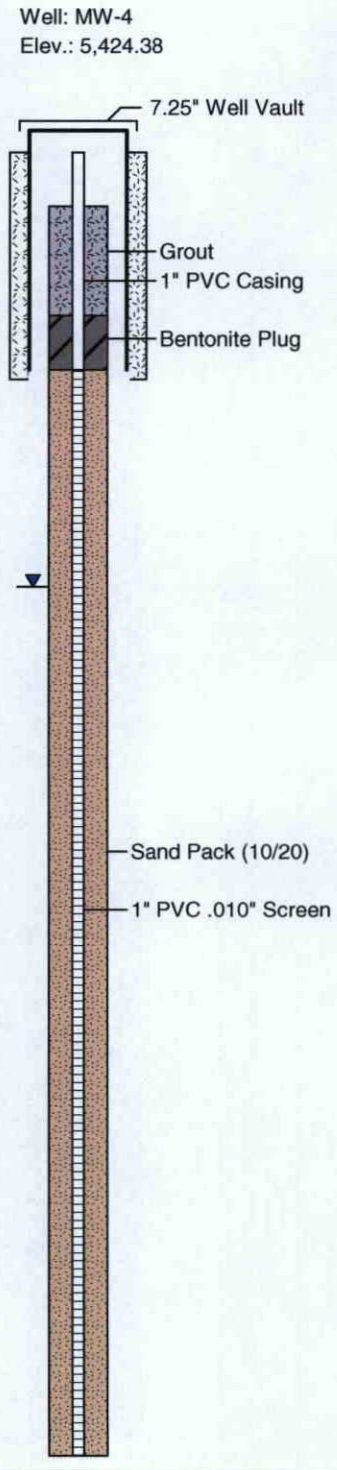
LOG OF: SB-4/MW-4

SAMMONS #2 PIPELINE 2009 SPILL

FLORA VISTA, NEW MEXICO

Date Started	: 03/30/10	Northing Coord.	: 2100443.16
Date Completed	: 03/10/10 (as MW-4)	Easting Coord.	: 2640578.967
Hole Diameter	:	Survey By	: Arrow Engineering
Drilling Method	: Geoprobe	Logged By	: T. Ross
Sampling Method	:		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0–2		SC		Sandy Clay, dark brown.	
2–6		SC		Sandy Clay, gray with black streaks, organic matter, sewage odor, and wet at 2 feet.	4.4



LOG OF: SB-5/MW-5

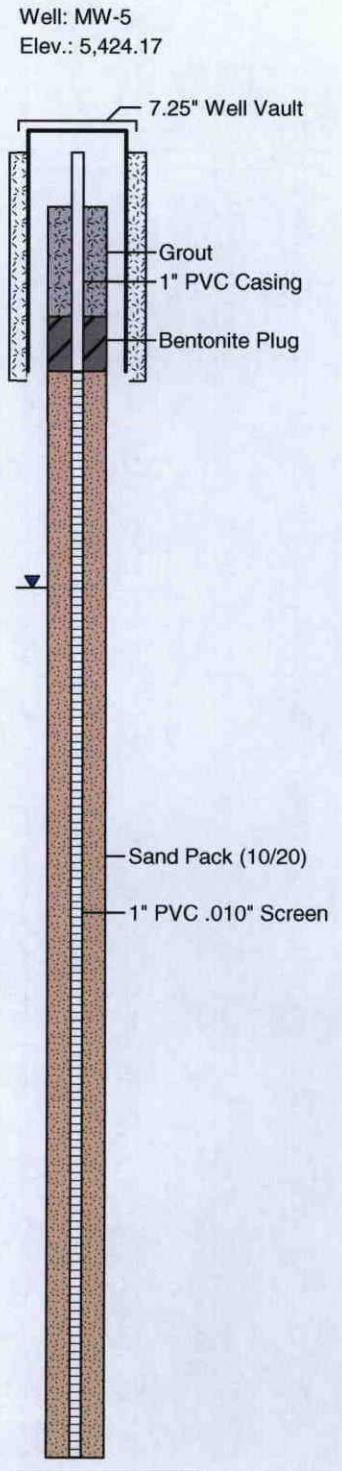
Animas Environmental Services, LLC

SAMMONS #2 PIPELINE 2009 SPILL

FLORA VISTA, NEW MEXICO

Date Started	: 03/30/10	Northing Coord.	: 2100462.066
Date Completed	: 03/10/10 (as MW-5)	Easting Coord.	: 2640648.971
Hole Diameter	:	Survey By	: Arrow Engineering
Drilling Method	: Geoprobe	Logged By	: T. Ross
Sampling Method	:		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0–1		SC		Sandy Clay, dark brown.	
2–6		SC		Sandy Clay, gray with black streaks, organic matter, sewage odor, and wet at 2 feet.	0.0



LOG OF: SB-6/MW-6

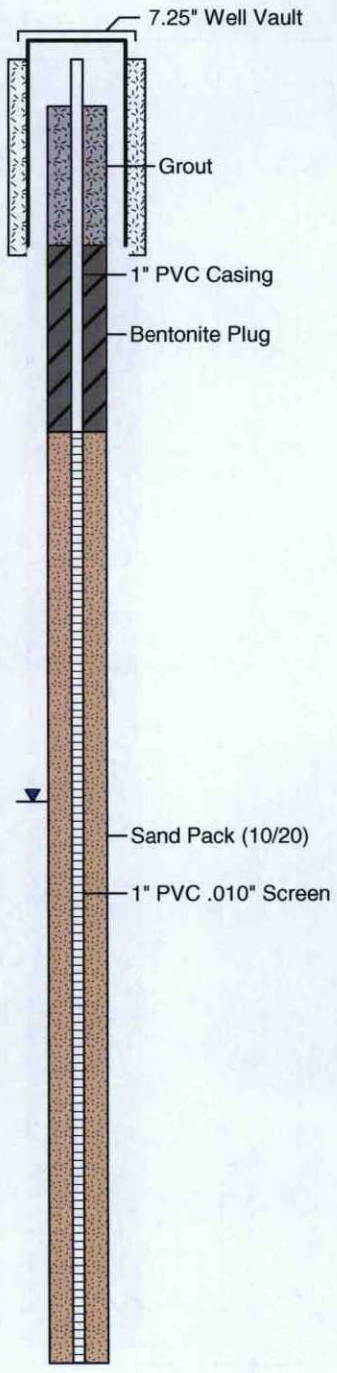
SAMMONS #2 PIPELINE 2009 SPILL

FLORA VISTA, NEW MEXICO

Date Started	: 03/30/10	Northing Coord.	: 2100417.048
Date Completed	: 03/10/10 (as MW-6)	Easting Coord.	: 2640700.224
Hole Diameter	:	Survey By	: Arrow Engineering
Drilling Method	: Geoprobe	Logged By	: T. Ross
Sampling Method	:		

Depth in Feet	Surf. Elev.	USCS	GRAPHIC	DESCRIPTION	PID (ppm)
0–7		SP		Coarse Sand, tan, fill material from prior excavation, and no odor. Wet at 4 feet.	2.4

Well: MW-6
Elev.: 5,424.91



GROUNDWATER MONITORING WELL DEVELOPMENT FORM

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

Project: Groundwater Monitoring
Site: Sammons #2 Pipeline Spill
Location: 3000 CR, Farmington, New Mexico
Tech: D. Willis

Project No.: AES 091204
Date: 4-19-10
Time: 0940
Form: 1 of 1

Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
MW-1	—	2.51	5	Peristaltic Pump
MW-2	—	1.38	5.25	Peristaltic Pump
MW-3	—	2.04	2.5	Peristaltic Pump
MW-4	—	1.72	2.5	Peristaltic Pump
MW-5	—	1.08	5	Peristaltic Pump
MW-6	—	1.21	3	Peristaltic Pump

Puged Water Storage, Transport, and Disposal Information:

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: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Tech: N. Willis

Project No.: AES 091204
Date: 4-20-10
Time: 1050
Form: 1 of 1

Well I.D.	Time	Depth to NAPL (ft.)	Depth to Water (ft.)	NAPL Thickness (ft.)	Notes / Observations
MW-1	1126	—	2.43	—	
MW-2	1217	—	1.11	—	
MW-3	1252	—	1.77	—	
MW-4	1325	—	1.59	—	
MW-5	1359	—	1.00	—	
MW-6	1431	—	1.04	—	

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

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-1

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

Site: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: D. Willis
Purge / No Purge: ~~No~~ Purge
Well Diameter (in): 1
Initial D.T.W. (ft): _____ **Time:** _____
Confirm D.T.W. (ft): 2.43 **Time:** 1126
Final D.T.W. (ft): _____ **Time:** _____
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 091204
Date: 4-20-10
Arrival Time: 1050
Air Temp: 60°F
T.O.C. Elev. (ft): ?
Total Well Depth (ft): 5.9
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity ~~(µS)~~ (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (mL) ~~(see reverse for calc.)~~	Notes/Observations
1133	21.34	4.405	0.63	7.06	32.1	75	
1139	12.08	4.575	0.41	7.05	35.9	75	
1143	10.40	4.519	0.34	7.02	39.6	75	
1147	10.31	4.475	0.43	7.05	38.8	75	
1150	10.19	4.392	0.43	7.05	35.1	75	
1156	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8260 (3 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-2

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

Site: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 1
Initial D.T.W. (ft): _____ **Time:** _____
Confirm D.T.W. (ft): 1.11 **Time:** 1217
Final D.T.W. (ft): _____ **Time:** _____
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 091204
Date: 4-20-10
Arrival Time: 1210
Air Temp: 60°F
T.O.C. Elev. (ft): ?
Total Well Depth (ft): 5.96
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity ~~(µS)~~ (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME mL ~~(see reverse for calc.)~~	Notes/Observations
1220	13.16	1.743	0.37	7.35	-138.1	75	
1224	11.17	1.668	0.14	7.38	-144.4	75	
1228	10.27	1.661	0.21	7.40	-130.4	75	
1231	10.10	1.656	0.17	7.43	-134.7	75	
1234	10.37	1.670	0.20	7.39	-132.7	75	
1239	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8260 (3 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments: At time of collection, [redacted] field blanks were done.

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-3

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

Site: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 1
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 1.77 **Time:** 1252 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: D.T.P.: _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 091204
Date: 4-20-10
Arrival Time: 1250
Air Temp: 65°F
T.O.C. Elev. (ft): ?
Total Well Depth (ft): 5.9

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME mL (~~see reverse for calc.~~)	Notes/Observations
1255	11.14	2.270	0.30	7.23	-63.3	75	
1258	10.79	2.320	0.49	7.21	-50.5	75	
1301	11.06	2.373	0.42	7.18	-46.0	75	
1304	9.92	2.110	0.22	7.21	-66.4	75	
1308	9.73	2.005	0.24	7.21	-69.0	75	
1313	—	—	—	—	—	—	Samples Collected

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

BTEX per EPA Method 8260 (3 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

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

Site: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: D. Willis
Purge / No Purge: Purge
Well Diameter (in): 1
Initial D.T.W. (ft): _____ **Time:** _____
Confirm D.T.W. (ft): 1.59 **Time:** 1325
Final D.T.W. (ft): _____ **Time:** _____
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 091204
Date: 4-20-10
Arrival Time: 1322
Air Temp: 70°F
T.O.C. Elev. (ft): ?
Total Well Depth (ft): 5.84
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME mL (~~see reverse for calc.~~)	Notes/Observations
1330	12.30	2.204	0.17	7.24	-68.4	75	
1333	10.71	2.248	0.21	7.26	-63.3	75	
1337	10.09	2.237	0.24	7.31	-74.2	75	
1340	9.67	2.213	0.26	7.25	-72.8	75	
1343	9.60	2.174	0.22	7.29	-88.4	75	
1348	—					—	Samples Collected

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

BTEX per EPA Method 8260 (3 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-5

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

Site: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Willis
Purge / No Purge: Purge
Well Diameter (in): 1
Initial D.T.W. (ft): _____ **Time:** _____ *(taken at initial gauging of all wells)*
Confirm D.T.W. (ft): 1.00 **Time:** 1359 *(taken prior to purging well)*
Final D.T.W. (ft): _____ **Time:** _____ *(taken after sample collection)*
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 091204
Date: 4-20-10
Arrival Time: 1357
Air Temp: 70°F
T.O.C. Elev. (ft): ?
Total Well Depth (ft): 5.91

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME mL ~~(see reverse for calc.)~~	Notes/Observations
1402	11.07	3.161	0.26	7.27	-91.4	75	
1405	10.28	3.177	0.24	7.31	-89.8	75	
1408	9.95	3.173	0.22	7.38	-99.2	75	
1411	10.09	3.166	0.20	7.35	-100.7	75	
1414	9.88	3.140	0.21	7.37	-102.6	75	
1419							Samples Collected

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

BTEX per EPA Method 8260 (3 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-6

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

Site: Sammons #2 Pipeline Spill
Location: CR 3000 Farmington, New Mexico
Project: Groundwater Monitoring and Sampling
Sampling Technician: N. Wills
Purge / No Purge: Purge
Well Diameter (in): 1
Initial D.T.W. (ft): _____ **Time:** _____
Confirm D.T.W. (ft): 1.04 **Time:** 1431
Final D.T.W. (ft): _____ **Time:** _____
If NAPL Present: **D.T.P.:** _____ **D.T.W.:** _____ **Thickness:** _____ **Time:** _____

Project No.: AES 091204
Date: 4-20-10
Arrival Time: 1428
Air Temp: 70°F
T.O.C. Elev. (ft): ?
Total Well Depth (ft): 6.30
(taken at initial gauging of all wells)
(taken prior to purging well)
(taken after sample collection)

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME mL ~~(see reverse for calc.)~~	Notes/Observations
1434	11.95	2.362	0.14	7.29	-126.5	75	
1436	11.45	2.339	0.25	7.28	-118.2	75	
1439	11.32	2.340	0.11	7.26	-122.9	75	
1442	11.36	2.316	0.19	7.33	-114.3	75	
1445	11.09	2.277	0.22	7.28	-113.6	75	
1450	—	—	—	—	—	—	Sample Collected

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

BTEX per EPA Method 8260 (3 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (1 40mL Vials w/ HCl preserve)
GRO & DRO per EPA Method 8015B (40mL Vial w/ no preservative)

Disposal of Purged Water: _____
Collected Samples Stored on Ice in Cooler: Yes
Chain of Custody Record Complete: Yes
Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM
Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailer

Notes/Comments:

revised: 08/10/09

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, April 07, 2010

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

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

RE: Sammons #2 Pipeline Spill

Order No.: 1004033

Dear Tami Ross:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 4/2/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

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

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	SB #1
Lab Order:	1004033	**Collection Date:**	3/30/2010 12:49:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/2/2010
Lab ID:	1004033-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/6/2010 9:43:37 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/6/2010 9:43:37 PM
Surr: DNOP	86.2	61.7-135		%REC	1	4/6/2010 9:43:37 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 3:03:45 PM
Surr: BFB	100	65.9-118		%REC	1	4/5/2010 3:03:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 3:03:45 PM
Benzene	ND	0.050		mg/Kg	1	4/5/2010 3:03:45 PM
Toluene	ND	0.050		mg/Kg	1	4/5/2010 3:03:45 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2010 3:03:45 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2010 3:03:45 PM
Surr: 4-Bromofluorobenzene	106	64.7-120		%REC	1	4/5/2010 3:03:45 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	SB #2
Lab Order:	1004033	**Collection Date:**	3/30/2010 1:14:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/2/2010
Lab ID:	1004033-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/6/2010 11:29:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/6/2010 11:29:55 PM
Surr: DNOP	79.1	61.7-135		%REC	1	4/6/2010 11:29:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 3:33:57 PM
Surr: BFB	94.9	65.9-118		%REC	1	4/5/2010 3:33:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 3:33:57 PM
Benzene	ND	0.050		mg/Kg	1	4/5/2010 3:33:57 PM
Toluene	ND	0.050		mg/Kg	1	4/5/2010 3:33:57 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2010 3:33:57 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2010 3:33:57 PM
Surr: 4-Bromofluorobenzene	96.6	64.7-120		%REC	1	4/5/2010 3:33:57 PM
EPA METHOD 418.1: TPH						Analyst: JB
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	SB #3
Lab Order:	1004033	**Collection Date:**	3/30/2010 1:27:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/2/2010
Lab ID:	1004033-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2010 12:05:32 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2010 12:05:32 AM
Surr: DNOP	93.2	61.7-135		%REC	1	4/7/2010 12:05:32 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 4:07:04 PM
Surr: BFB	108	65.9-118		%REC	1	4/5/2010 4:07:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 4:07:04 PM
Benzene	ND	0.050		mg/Kg	1	4/5/2010 4:07:04 PM
Toluene	ND	0.050		mg/Kg	1	4/5/2010 4:07:04 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2010 4:07:04 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2010 4:07:04 PM
Surr: 4-Bromofluorobenzene	112	64.7-120		%REC	1	4/5/2010 4:07:04 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	SB #4
Lab Order:	1004033	**Collection Date:**	3/30/2010 1:45:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/2/2010
Lab ID:	1004033-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2010 12:41:00 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2010 12:41:00 AM
Surr: DNOP	96.9	61.7-135		%REC	1	4/7/2010 12:41:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 4:37:34 PM
Surr: BFB	90.9	65.9-118		%REC	1	4/5/2010 4:37:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 4:37:34 PM
Benzene	ND	0.050		mg/Kg	1	4/5/2010 4:37:34 PM
Toluene	ND	0.050		mg/Kg	1	4/5/2010 4:37:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2010 4:37:34 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2010 4:37:34 PM
Surr: 4-Bromofluorobenzene	93.0	64.7-120		%REC	1	4/5/2010 4:37:34 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	SB #5
Lab Order:	1004033	**Collection Date:**	3/30/2010 1:57:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/2/2010
Lab ID:	1004033-05	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2010 1:16:37 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2010 1:16:37 AM
Surr: DNOP	91.7	61.7-135		%REC	1	4/7/2010 1:16:37 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 5:08:01 PM
Surr: BFB	93.1	65.9-118		%REC	1	4/5/2010 5:08:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 5:08:01 PM
Benzene	ND	0.050		mg/Kg	1	4/5/2010 5:08:01 PM
Toluene	ND	0.050		mg/Kg	1	4/5/2010 5:08:01 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2010 5:08:01 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2010 5:08:01 PM
Surr: 4-Bromofluorobenzene	95.2	64.7-120		%REC	1	4/5/2010 5:08:01 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *07-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	SB #6
Lab Order:	1004033	**Collection Date:**	3/30/2010 2:29:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/2/2010
Lab ID:	1004033-06	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JB**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/7/2010 2:25:54 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/7/2010 2:25:54 AM
Surr: DNOP	94.0	61.7-135		%REC	1	4/7/2010 2:25:54 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 5:38:26 PM
Surr: BFB	101	65.9-118		%REC	1	4/5/2010 5:38:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 5:38:26 PM
Benzene	ND	0.050		mg/Kg	1	4/5/2010 5:38:26 PM
Toluene	ND	0.050		mg/Kg	1	4/5/2010 5:38:26 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2010 5:38:26 PM
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2010 5:38:26 PM
Surr: 4-Bromofluorobenzene	103	64.7-120		%REC	1	4/5/2010 5:38:26 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Sammons #2 Pipeline Spill **Work Order:** 1004033

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 418.1: TPH											
Sample ID: MB-21833		*MBLK*				Batch ID:	**21833**	Analysis Date:			4/5/2010
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-21833		*LCS*				Batch ID:	**21833**	Analysis Date:			4/5/2010
Petroleum Hydrocarbons, TR	117.7	mg/Kg	20	100	7.38	110	82	114			
Sample ID: LCSD-21833		*LCSD*				Batch ID:	**21833**	Analysis Date:			4/5/2010
Petroleum Hydrocarbons, TR	115.0	mg/Kg	20	100	7.38	108	82	114	2.34	20	
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: 1004033-01AMSD		*MSD*				Batch ID:	**21841**	Analysis Date:			4/6/2010 10:54:29 PM
Diesel Range Organics (DRO)	36.80	mg/Kg	10	50	0	73.6	67.4	117	4.87	17.4	
Sample ID: MB-21841		*MBLK*				Batch ID:	**21841**	Analysis Date:			4/6/2010 7:56:29 PM
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-21841		*LCS*				Batch ID:	**21841**	Analysis Date:			4/6/2010 8:32:12 PM
Diesel Range Organics (DRO)	35.91	mg/Kg	10	50	0	71.8	64.6	116			
Sample ID: LCSD-21841		*LCSD*				Batch ID:	**21841**	Analysis Date:			4/6/2010 9:07:54 PM
Diesel Range Organics (DRO)	34.99	mg/Kg	10	50	0	70.0	64.6	116	2.59	17.4	
Sample ID: 1004033-01AMS		*MS*				Batch ID:	**21841**	Analysis Date:			4/6/2010 10:19:02 PM
Diesel Range Organics (DRO)	38.64	mg/Kg	10	50	0	77.3	67.4	117			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: MB-21834		*MBLK*				Batch ID:	**21834**	Analysis Date:			4/5/2010 10:41:47 PM
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-21834		*LCS*				Batch ID:	**21834**	Analysis Date:			4/5/2010 8:40:21 PM
Gasoline Range Organics (GRO)	30.40	mg/Kg	5.0	25	0	122	77.7	135			
Method: EPA Method 8021B: Volatiles											
Sample ID: MB-21834		*MBLK*				Batch ID:	**21834**	Analysis Date:			4/5/2010 10:41:47 PM
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.10								
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-21834		*LCS*				Batch ID:	**21834**	Analysis Date:			4/5/2010 10:11:30 PM
Methyl tert-butyl ether (MTBE)	1.253	mg/Kg	0.10	1	0	125	67.9	135			
Benzene	0.9264	mg/Kg	0.050	1	0.0117	91.5	78.8	132			
Toluene	0.8964	mg/Kg	0.050	1	0	89.6	78.9	112			
Ethylbenzene	0.9721	mg/Kg	0.050	1	0.0142	95.8	69.3	125			
Xylenes, Total	2.933	mg/Kg	0.10	3	0	97.8	73	128			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **ANIMAS ENVIRONMENTAL** Date Received: **4/2/2010**

Work Order Number **1004033** Received by: **TLS**

Checklist completed by: _____ 4/2/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: Greyhound

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

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Services
Mailing Address: 624 E. Comanche
Farmington NM 87401
Phone #: 505-564-2281
email or Fax#: 505-324-2022
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Sammons #2 Pipeline Spill
Project #: 091204
Project Manager: Tami Ross
Sampler: Tami Ross
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.5

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 100-4033	BTEX + [redacted] (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	DRO/GRO (8015)				Air Bubbles (Y or N)
3-30-10	1249	Soil	SB #1	2-4oz glass	—	1	X			X								X				
	1314		SB #2		—	2	X			X								X				
	1327		SB #3		—	3	X			X								X				
	1345		SB #4		—	4	X			X								X				
	1357		SB #5		—	5	X			X								X				
↓	1429	↓	SB #6	↓	—	6	X			X								X				

Date: 3/31/10 Time: 924 Relinquished by: Tami Ross
Received by: [signature] Date: 4/2/10 Time: 820
Date: Time: Relinquished by:
Received by: Date: Time:

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, April 26, 2010

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

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

RE: Sammons #2 Pipeline Spill

Order No.: 1004456

Dear Tami Ross:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 4/21/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

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

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1004456	**Collection Date:**	4/20/2010 11:56:00 AM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						**Analyst: JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/25/2010 12:28:46 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/25/2010 12:28:46 AM
Surr: DNOP	121	86.9-151		%REC	1	4/25/2010 12:28:46 AM
EPA METHOD 8015B: GASOLINE RANGE						**Analyst: NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/23/2010 3:15:17 PM
Surr: BFB	88.9	55.2-107		%REC	1	4/23/2010 3:15:17 PM
EPA METHOD 8260B: VOLATILES						**Analyst: HL**
Benzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 7:19:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 7:19:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 7:19:00 PM
Acetone	ND	10		µg/L	1	4/21/2010 7:19:00 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 7:19:00 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 7:19:00 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 7:19:00 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 7:19:00 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-1
Lab Order:	1004456	**Collection Date:**	4/20/2010 11:56:00 AM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 7:19:00 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
2-Hexanone	ND	10		µg/L	1	4/21/2010 7:19:00 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 7:19:00 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 7:19:00 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 7:19:00 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 7:19:00 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 7:19:00 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2010 7:19:00 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	1	4/21/2010 7:19:00 PM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	4/21/2010 7:19:00 PM
Surr: Dibromofluoromethane	104	78.5-130		%REC	1	4/21/2010 7:19:00 PM
Surr: Toluene-d8	105	79.5-126		%REC	1	4/21/2010 7:19:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1004456	**Collection Date:**	4/20/2010 12:39:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/25/2010 1:04:27 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/25/2010 1:04:27 AM
Surr: DNOP	127	86.9-151		%REC	1	4/25/2010 1:04:27 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1.1	0.050		mg/L	1	4/23/2010 3:44:10 PM
Surr: BFB	125	55.2-107	S	%REC	1	4/23/2010 3:44:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	11	1.0		µg/L	1	4/21/2010 7:48:15 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Ethylbenzene	2.4	1.0		µg/L	1	4/21/2010 7:48:15 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2,4-Trimethylbenzene	1.5	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,3,5-Trimethylbenzene	1.1	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 7:48:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 7:48:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 7:48:15 PM
Acetone	ND	10		µg/L	1	4/21/2010 7:48:15 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 7:48:15 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 7:48:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 7:48:15 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 7:48:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-2
Lab Order:	1004456	**Collection Date:**	4/20/2010 12:39:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 7:48:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
2-Hexanone	ND	10		µg/L	1	4/21/2010 7:48:15 PM
Isopropylbenzene	1.6	1.0		µg/L	1	4/21/2010 7:48:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 7:48:15 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 7:48:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 7:48:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 7:48:15 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Xylenes, Total	22	1.5		µg/L	1	4/21/2010 7:48:15 PM
Surr: 1,2-Dichloroethane-d4	78.7	54.6-141		%REC	1	4/21/2010 7:48:15 PM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	1	4/21/2010 7:48:15 PM
Surr: Dibromofluoromethane	96.5	78.5-130		%REC	1	4/21/2010 7:48:15 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	4/21/2010 7:48:15 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	FIELD BLANK
Lab Order:	1004456	**Collection Date:**	4/20/2010 12:39:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 8:17:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 8:17:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 8:17:25 PM
Acetone	ND	10		µg/L	1	4/21/2010 8:17:25 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 8:17:25 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 8:17:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 8:17:25 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 8:17:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 8:17:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	FIELD BLANK
Lab Order:	1004456	**Collection Date:**	4/20/2010 12:39:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/21/2010 8:17:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 8:17:25 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 8:17:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 8:17:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 8:17:25 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 8:17:25 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2010 8:17:25 PM
Surr: 1,2-Dichloroethane-d4	99.8	54.6-141		%REC	1	4/21/2010 8:17:25 PM
Surr: 4-Bromofluorobenzene	108	60.1-133		%REC	1	4/21/2010 8:17:25 PM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	4/21/2010 8:17:25 PM
Surr: Toluene-d8	107	79.5-126		%REC	1	4/21/2010 8:17:25 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1004456	**Collection Date:**	4/20/2010 1:13:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						**Analyst: JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/25/2010 1:40:09 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/25/2010 1:40:09 AM
Surr: DNOP	126	86.9-151		%REC	1	4/25/2010 1:40:09 AM
EPA METHOD 8015B: GASOLINE RANGE						**Analyst: NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/23/2010 4:13:03 PM
Surr: BFB	94.7	55.2-107		%REC	1	4/23/2010 4:13:03 PM
EPA METHOD 8260B: VOLATILES						**Analyst: HL**
Benzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 8:46:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 8:46:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 8:46:38 PM
Acetone	ND	10		µg/L	1	4/21/2010 8:46:38 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 8:46:38 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 8:46:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 8:46:38 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 8:46:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-3
Lab Order:	1004456	**Collection Date:**	4/20/2010 1:13:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 8:46:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
2-Hexanone	ND	10		µg/L	1	4/21/2010 8:46:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 8:46:38 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 8:46:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 8:46:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 8:46:38 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 8:46:38 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2010 8:46:38 PM
Surr: 1,2-Dichloroethane-d4	100	54.6-141		%REC	1	4/21/2010 8:46:38 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	4/21/2010 8:46:38 PM
Surr: Dibromofluoromethane	103	78.5-130		%REC	1	4/21/2010 8:46:38 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	4/21/2010 8:46:38 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1004456	**Collection Date:**	4/20/2010 1:48:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/25/2010 2:15:33 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/25/2010 2:15:33 AM
Surr: DNOP	123	86.9-151		%REC	1	4/25/2010 2:15:33 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.074	0.050		mg/L	1	4/23/2010 4:41:54 PM
Surr: BFB	98.7	55.2-107		%REC	1	4/23/2010 4:41:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	9.9	1.0		µg/L	1	4/21/2010 9:15:52 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 9:15:52 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 9:15:52 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 9:15:52 PM
Acetone	ND	10		µg/L	1	4/21/2010 9:15:52 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 9:15:52 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 9:15:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 9:15:52 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 9:15:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-4
Lab Order:	1004456	**Collection Date:**	4/20/2010 1:48:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 9:15:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
2-Hexanone	ND	10		µg/L	1	4/21/2010 9:15:52 PM
Isopropylbenzene	1.1	1.0		µg/L	1	4/21/2010 9:15:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 9:15:52 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 9:15:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 9:15:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 9:15:52 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 9:15:52 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2010 9:15:52 PM
Surr: 1,2-Dichloroethane-d4	95.5	54.6-141		%REC	1	4/21/2010 9:15:52 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	4/21/2010 9:15:52 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	4/21/2010 9:15:52 PM
Surr: Toluene-d8	106	79.5-126		%REC	1	4/21/2010 9:15:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1004456	**Collection Date:**	4/20/2010 2:19:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/25/2010 2:50:58 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/25/2010 2:50:58 AM
Surr: DNOP	123	86.9-151		%REC	1	4/25/2010 2:50:58 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.055	0.050		mg/L	1	4/23/2010 5:10:49 PM
Surr: BFB	107	55.2-107	S	%REC	1	4/23/2010 5:10:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	9.7	1.0		µg/L	1	4/21/2010 9:45:06 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 9:45:06 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 9:45:06 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 9:45:06 PM
Acetone	ND	10		µg/L	1	4/21/2010 9:45:06 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 9:45:06 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 9:45:06 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 9:45:06 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 9:45:06 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-5
Lab Order:	1004456	**Collection Date:**	4/20/2010 2:19:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 9:45:06 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
2-Hexanone	ND	10		µg/L	1	4/21/2010 9:45:06 PM
Isopropylbenzene	1.7	1.0		µg/L	1	4/21/2010 9:45:06 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 9:45:06 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 9:45:06 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 9:45:06 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 9:45:06 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2010 9:45:06 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	1	4/21/2010 9:45:06 PM
Surr: 4-Bromofluorobenzene	114	60.1-133		%REC	1	4/21/2010 9:45:06 PM
Surr: Dibromofluoromethane	107	78.5-130		%REC	1	4/21/2010 9:45:06 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	4/21/2010 9:45:06 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1004456	**Collection Date:**	4/20/2010 2:50:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/25/2010 3:26:19 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/25/2010 3:26:19 AM
Surr: DNOP	123	86.9-151		%REC	1	4/25/2010 3:26:19 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	3.2	0.050		mg/L	1	4/23/2010 5:39:39 PM
Surr: BFB	124	55.2-107	S	%REC	1	4/23/2010 5:39:39 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	4.6	1.0		µg/L	1	4/22/2010 3:59:58 PM
Toluene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Ethylbenzene	11	1.0		µg/L	1	4/22/2010 3:59:58 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2,4-Trimethylbenzene	6.6	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,3,5-Trimethylbenzene	4.0	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Naphthalene	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/22/2010 3:59:58 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/22/2010 3:59:58 PM
Acetone	ND	10		µg/L	1	4/22/2010 3:59:58 PM
Bromobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Bromoform	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Bromomethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
2-Butanone	ND	10		µg/L	1	4/22/2010 3:59:58 PM
Carbon disulfide	ND	10		µg/L	1	4/22/2010 3:59:58 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Chlorobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Chloroethane	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM
Chloroform	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Chloromethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Dibromomethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	MW-6
Lab Order:	1004456	**Collection Date:**	4/20/2010 2:50:00 PM
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
2-Hexanone	ND	10		µg/L	1	4/22/2010 3:59:58 PM
Isopropylbenzene	1.7	1.0		µg/L	1	4/22/2010 3:59:58 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/22/2010 3:59:58 PM
Methylene Chloride	ND	3.0		µg/L	1	4/22/2010 3:59:58 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
n-Propylbenzene	1.4	1.0		µg/L	1	4/22/2010 3:59:58 PM
sec-Butylbenzene	1.0	1.0		µg/L	1	4/22/2010 3:59:58 PM
Styrene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM
Vinyl chloride	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM
Xylenes, Total	47	1.5		µg/L	1	4/22/2010 3:59:58 PM
Surr: 1,2-Dichloroethane-d4	73.9	54.6-141		%REC	1	4/22/2010 3:59:58 PM
Surr: 4-Bromofluorobenzene	101	60.1-133		%REC	1	4/22/2010 3:59:58 PM
Surr: Dibromofluoromethane	93.2	78.5-130		%REC	1	4/22/2010 3:59:58 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	4/22/2010 3:59:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TRIP BLANK
Lab Order:	1004456	**Collection Date:**	
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-08	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Toluene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Ethylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Naphthalene	ND	2.0		µg/L	1	4/21/2010 10:43:34 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 10:43:34 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/21/2010 10:43:34 PM
Acetone	ND	10		µg/L	1	4/21/2010 10:43:34 PM
Bromobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Bromoform	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Bromomethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
2-Butanone	ND	10		µg/L	1	4/21/2010 10:43:34 PM
Carbon disulfide	ND	10		µg/L	1	4/21/2010 10:43:34 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Chlorobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Chloroethane	ND	2.0		µg/L	1	4/21/2010 10:43:34 PM
Chloroform	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Chloromethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/21/2010 10:43:34 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Dibromomethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/21/2010 10:43:34 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Apr-10*

CLIENT:	Animas Environmental Services	**Client Sample ID:**	TRIP BLANK
Lab Order:	1004456	**Collection Date:**	
Project:	Sammons #2 Pipeline Spill	**Date Received:**	4/21/2010
Lab ID:	1004456-08	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/21/2010 10:43:34 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/21/2010 10:43:34 PM
Methylene Chloride	ND	3.0		µg/L	1	4/21/2010 10:43:34 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Styrene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/21/2010 10:43:34 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/21/2010 10:43:34 PM
Vinyl chloride	ND	1.0		µg/L	1	4/21/2010 10:43:34 PM
Xylenes, Total	ND	1.5		µg/L	1	4/21/2010 10:43:34 PM
Surr: 1,2-Dichloroethane-d4	105	54.6-141		%REC	1	4/21/2010 10:43:34 PM
Surr: 4-Bromofluorobenzene	114	60.1-133		%REC	1	4/21/2010 10:43:34 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	4/21/2010 10:43:34 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	4/21/2010 10:43:34 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Sammons #2 Pipeline Spill **Work Order:** 1004456

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22023		*MBLK*				**Batch ID:**	**22023**	**Analysis Date:**		**4/24/2010 6:32:18 PM**	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22023		*LCS*				**Batch ID:**	**22023**	**Analysis Date:**		**4/24/2010 7:07:54 PM**	
Diesel Range Organics (DRO)	4.425	mg/L	1.0	5	0	88.5	74	157			
Sample ID: LCSD-22023		*LCSD*				**Batch ID:**	**22023**	**Analysis Date:**		**4/24/2010 7:43:19 PM**	
Diesel Range Organics (DRO)	4.476	mg/L	1.0	5	0	89.5	74	157	1.15	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				**Batch ID:**	**R38378**	**Analysis Date:**		**4/23/2010 9:57:36 AM**	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				**Batch ID:**	**R38378**	**Analysis Date:**		**4/23/2010 8:03:50 PM**	
Gasoline Range Organics (GRO)	0.5284	mg/L	0.050	0.5	0	106	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				**Batch ID:**	**R38378**	**Analysis Date:**		**4/23/2010 8:32:43 PM**	
Gasoline Range Organics (GRO)	0.5070	mg/L	0.050	0.5	0	101	80	115	4.13	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Sammons #2 Pipeline Spill **Work Order:** 1004456

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R38318**		**Analysis Date: 4/21/2010 10:40:03 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Sammons #2 Pipeline Spill

Work Order: 1004456

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: R38318				**Analysis Date: 4/21/2010 10:40:03 AM**			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*									
				Batch ID: R38343				**Analysis Date: 4/22/2010 11:35:42 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Sammons #2 Pipeline Spill **Work Order:** 1004456

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R38343**		**Analysis Date: 4/22/2010 11:35:42 AM**			
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				**Batch ID: R38318**		**Analysis Date: 4/21/2010 11:38:36 AM**			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
Project: Sammons #2 Pipeline Spill **Work Order:** 1004456

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				**Batch ID:**	**R38318**	**Analysis Date:**		**4/21/2010 11:38:36 AM**	
Benzene	19.06	µg/L	1.0	20	0	95.3	82.4	116			
Toluene	21.37	µg/L	1.0	20	0	107	89.5	123			
Chlorobenzene	22.00	µg/L	1.0	20	0	110	87.8	120			
1,1-Dichloroethene	22.67	µg/L	1.0	20	0	113	90.3	138			
Trichloroethene (TCE)	18.45	µg/L	1.0	20	0	92.2	64	129			
Sample ID: 100ng lcs		*LCS*				**Batch ID:**	**R38343**	**Analysis Date:**		**4/22/2010 1:03:51 PM**	
Benzene	18.29	µg/L	1.0	20	0	91.5	82.4	116			
Toluene	21.47	µg/L	1.0	20	0	107	89.5	123			
Chlorobenzene	22.67	µg/L	1.0	20	0	113	87.8	120			
1,1-Dichloroethene	21.35	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	18.59	µg/L	1.0	20	0	92.9	64	129			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **ANIMAS ENVIRONMENTAL** Date Received: **4/21/2010**

Work Order Number **1004456** Received by: **TLS**

Checklist completed by: _____ 4/21/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**2.3°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#: 505-324-2022

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name:
Sammons #2 Pipeline Spill

Project #:
AES 091204

Project Manager:
Tami Ross

Sampler: Nathan Willis

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.5

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1004450
4-20-10	1156	H_2O	MW-1	6-40mL glass	5-HCl 1-Non	1
4-20-10	1239	H_2O	MW-2	6-40mL glass	5-HCl 1-Non	2
	1239	H_2O	Field Blanks	2-40mL glass	2-HCl	3
	1313	H_2O	MW-3	6-40mL glass	5-HCl 1-Non	4
	1348	H_2O	MW-4			5
	1419	H_2O	MW-5			6
4-20-10	1450	H_2O	MW-6			7
		H_2O	Trip Blank			8

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8260 (NM List)	8015 (GRO / DRO)			Air Bubbles (Y or N)
											X	X			
											X	X			
											X				
											X	X			
											X	X			
											X	X			
											X	X			
											X				

Date: 4-20-10 Time: 1611 Relinquished by: Nathan Willis

Received by: [signature] Date: 4/21/10 Time: 930

Date: Time: Relinquished by:

Received by: Date: Time:

Remarks:

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