3R-342

Ground Water Investigation Report

Date: 5/5/10



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

329-342-0

May 7, 2010

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,

mi C. Kos

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





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 SE¹/₄ NE¹/₄ 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

Williams Four Corners, LLC Sammons #2 Pipeline Release Site Investigation Report May 5, 2010 Page 1 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

> Williams Four Corners, LLC Sammons #2 Pipeline Release Site Investigation Report May 5, 2010 Page 2

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) (C₆-C₃₆) Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and Motor Oil Range Organics (MRO) – EPA Method 8015 Modified

Once collected, soil samples were preserved in laboratory-supplied containers 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 (C₆-C₃₆) 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,

> Williams Four Corners, LLC Sammons #2 Pipeline Release Site Investigation Report May 5, 2010 Page 6

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 μ g/L in one well, MW-1 (11 μ g/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 μ g/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.

Sami C. Ross

Tami C. Ross, CHMM **Project Manager**

Elizabeth McNally, P.E.

Principal

Williams Four Corners, LLC Sammons #2 Pipeline Release Site Investigation Report May 5, 2010 Page 9

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.
- USEPA. 1992. SW-846, 3rd Edition, *Test Methods for Evaluating Solid Waste: Physical Chemical Methods*, dated November, 1986, and as amended by Update One, July, 1992.
- USEPA. 1991. Site Characterization for Subsurface Remediation, EPA 625/4-91-026, November, 1991.
- 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)	ТРН
	N	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Analytic	al Method	8021B	8021B	8021B	8021B	8015B	8015B	8015B	418.1
NMOCD A	ction Level		5	0		Sec. Lond	WE STORE WE	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	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)	рН	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

Site Investigation Report May 5, 2010

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)
Analytic	al Method	8260B	8260B	8260B	8260B	8015	8015	8015
WQC	CC 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

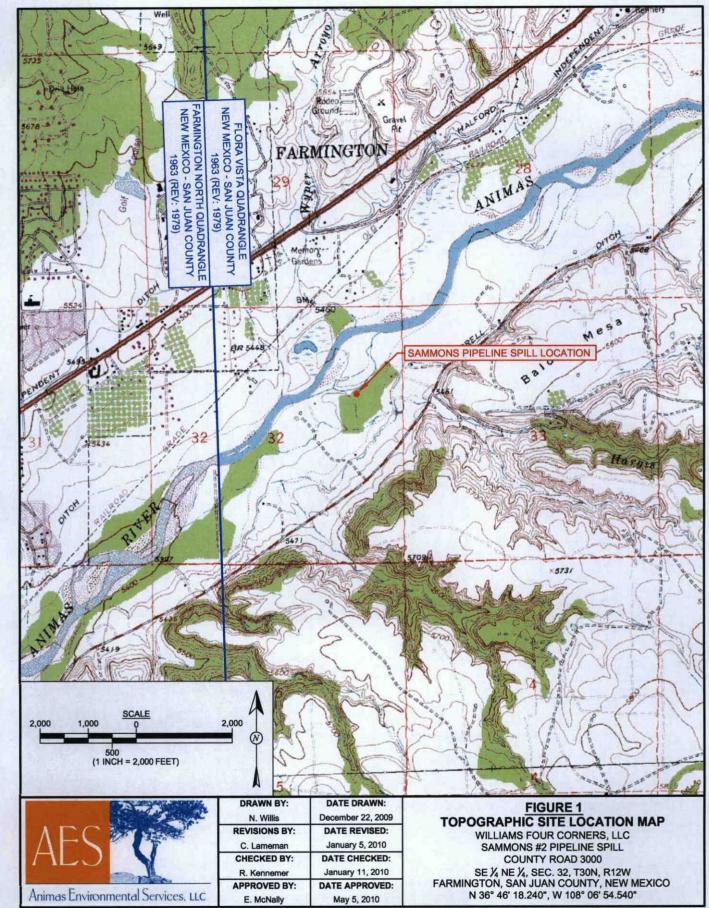
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< - Analyte below laboratory detection limit

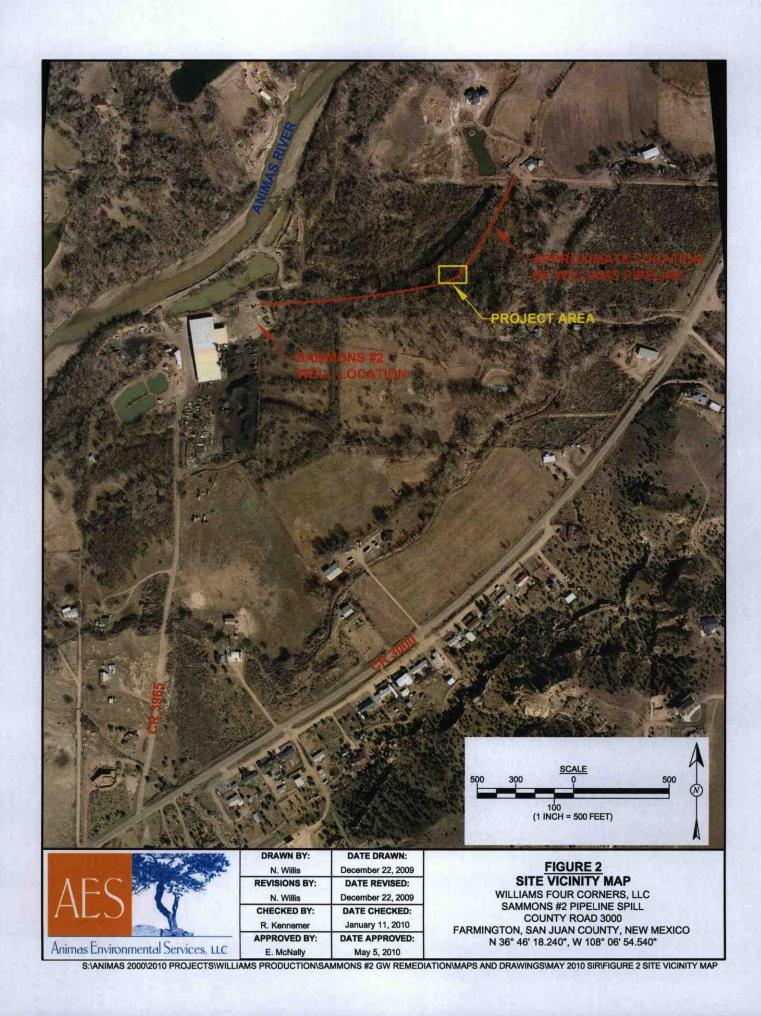
NA - Not Analyzed

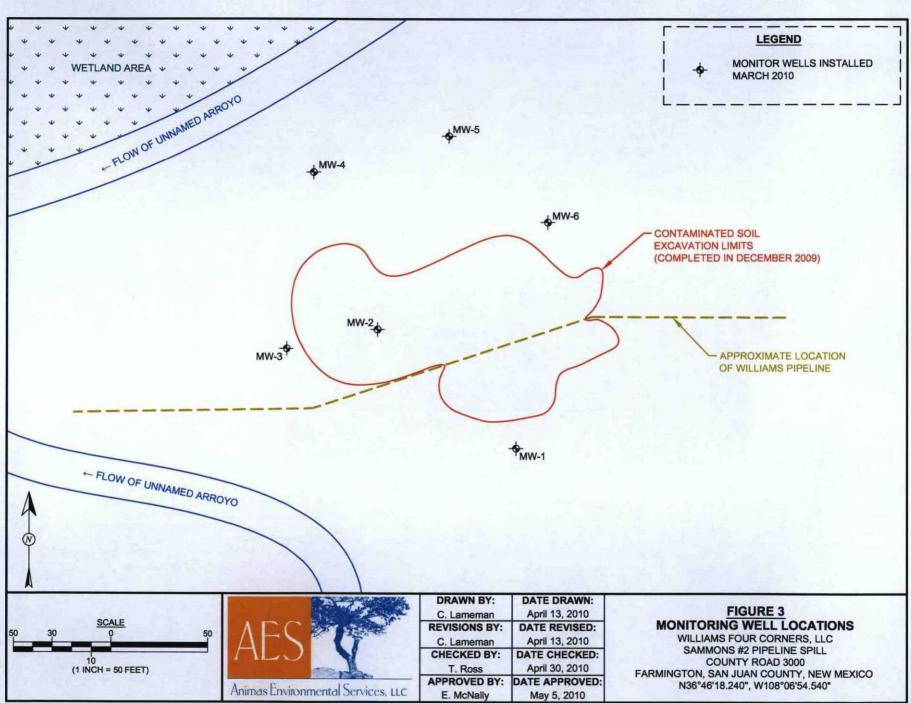
NE - Not Established

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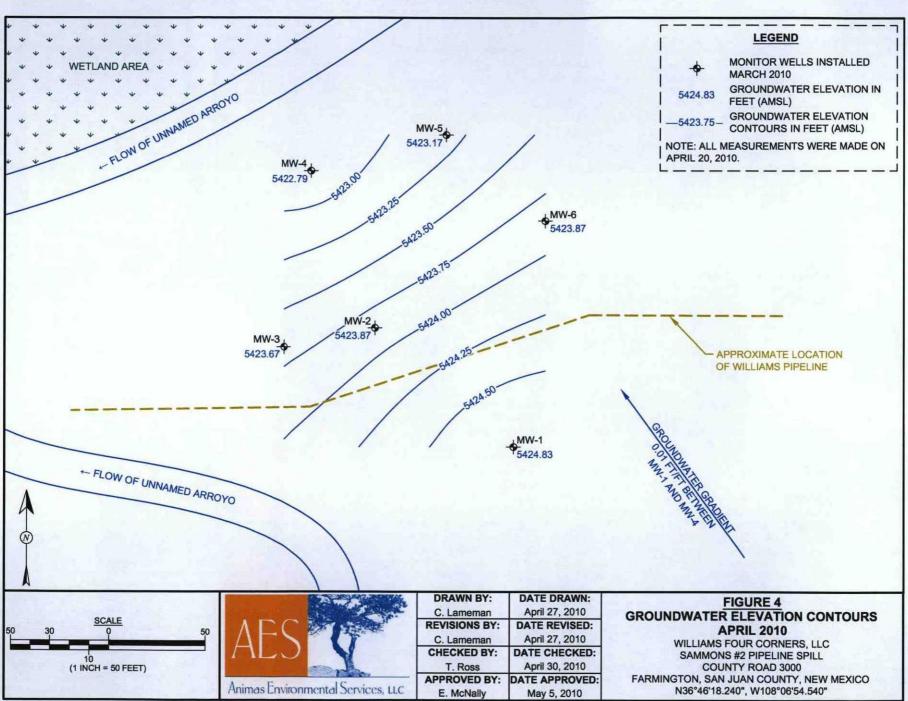


S:VANIMAS 2000/2010 PROJECTS/WILLIAMS PRODUCTION/SAMMONS #2 GW REMEDIATION/MAPS AND DRAWINGS/MAY 2010 SIR/FIGURE 1 TOPOGRAPHIC SITE LOCATION MAP

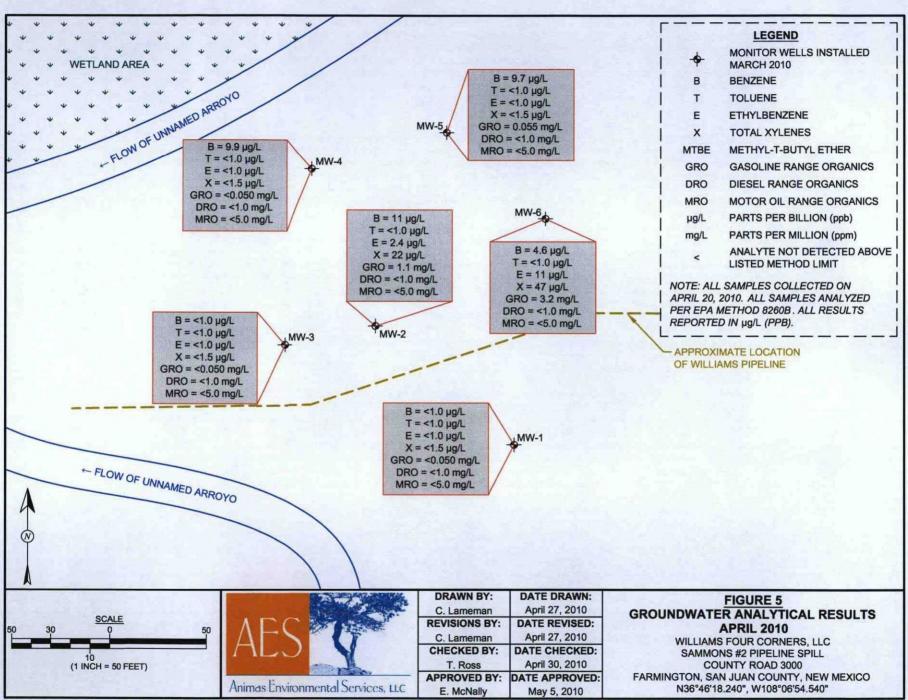




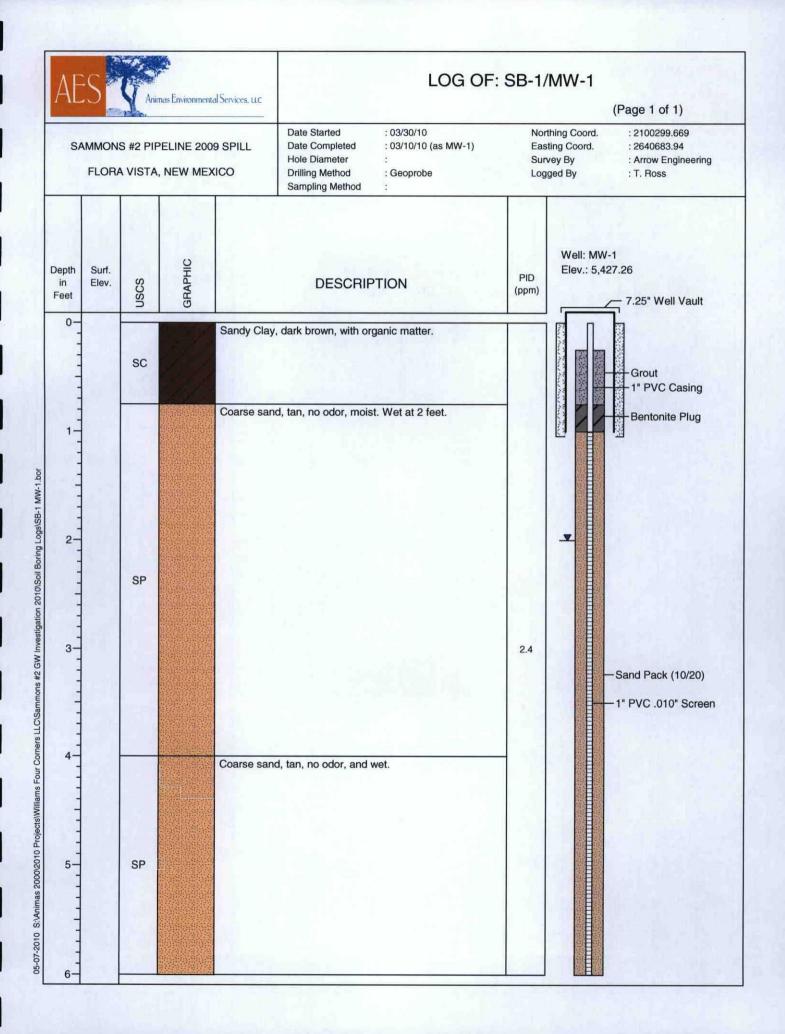
S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS PRODUCTION\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 3 GENERAL SITE PLAN

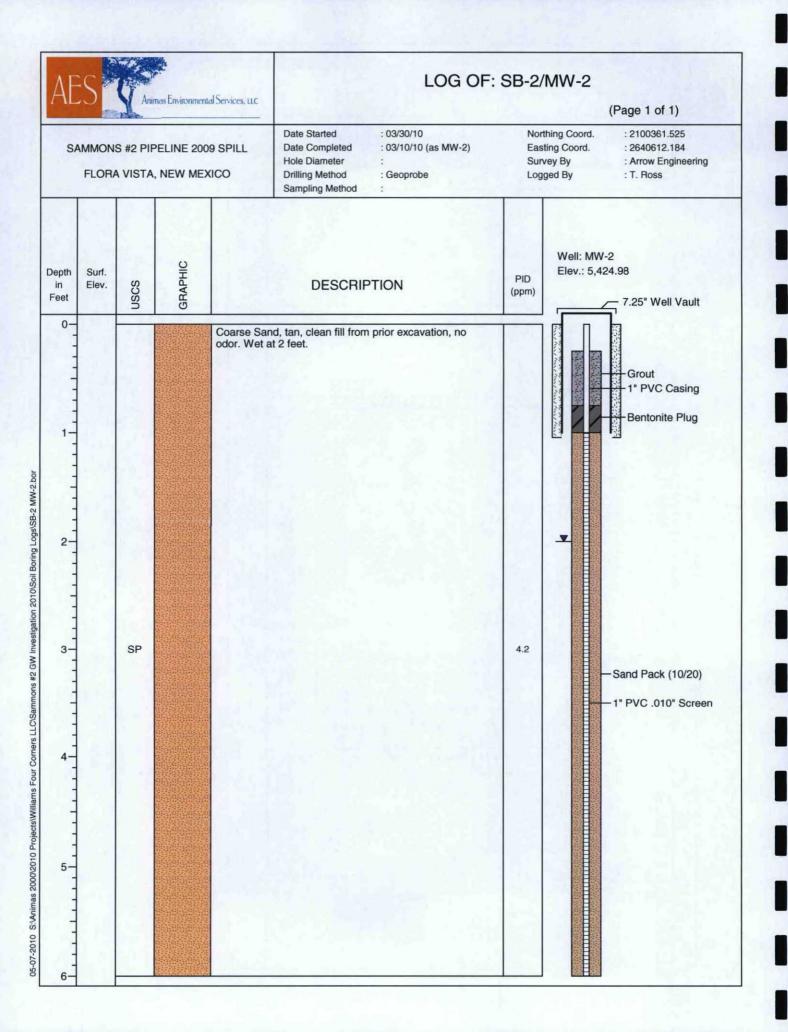


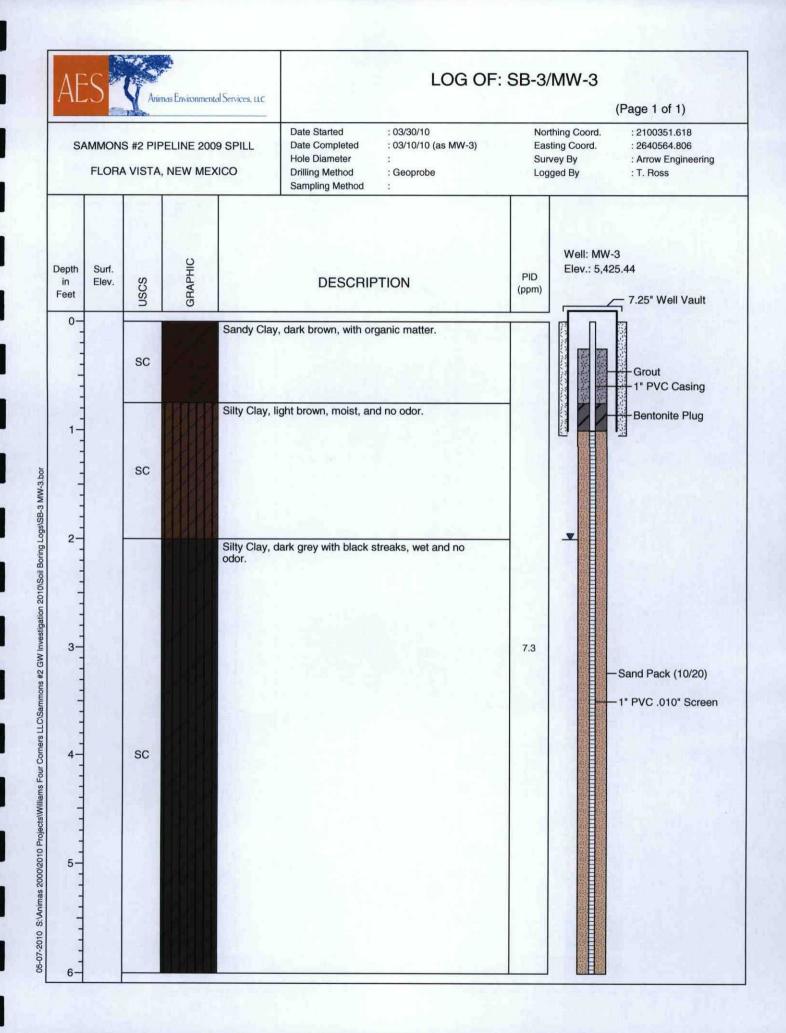
S:\ANIMAS 2000/2010 PROJECTS\WILLIAMS PRODUCTION\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 4 GROUNDWATER ELEVETION CONTOURS

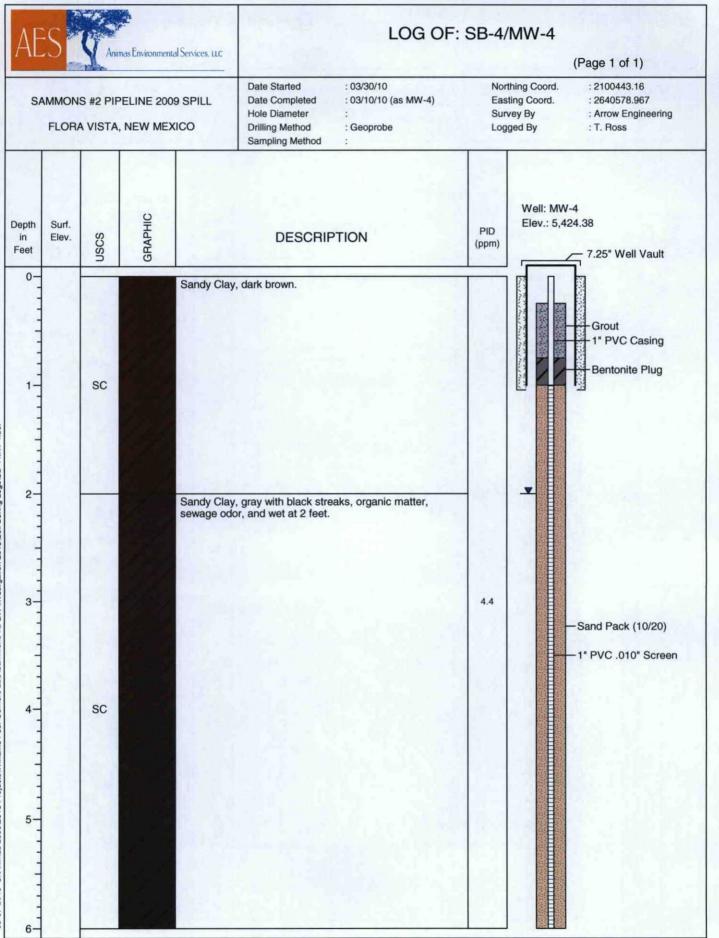


S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS FOUR CORNERS LLC\SAMMONS #2 GW REMEDIATION\MAPS AND DRAWINGS\MAY 2010 SIR\FIGURE 5 GROUNDWATER ANALYTCIAL RESULTS

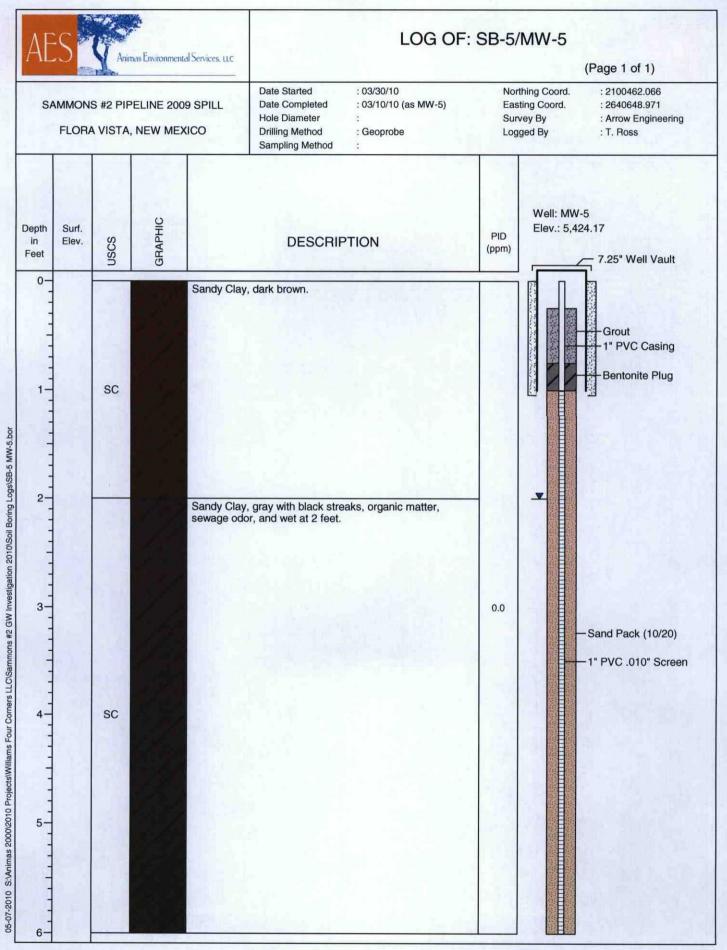


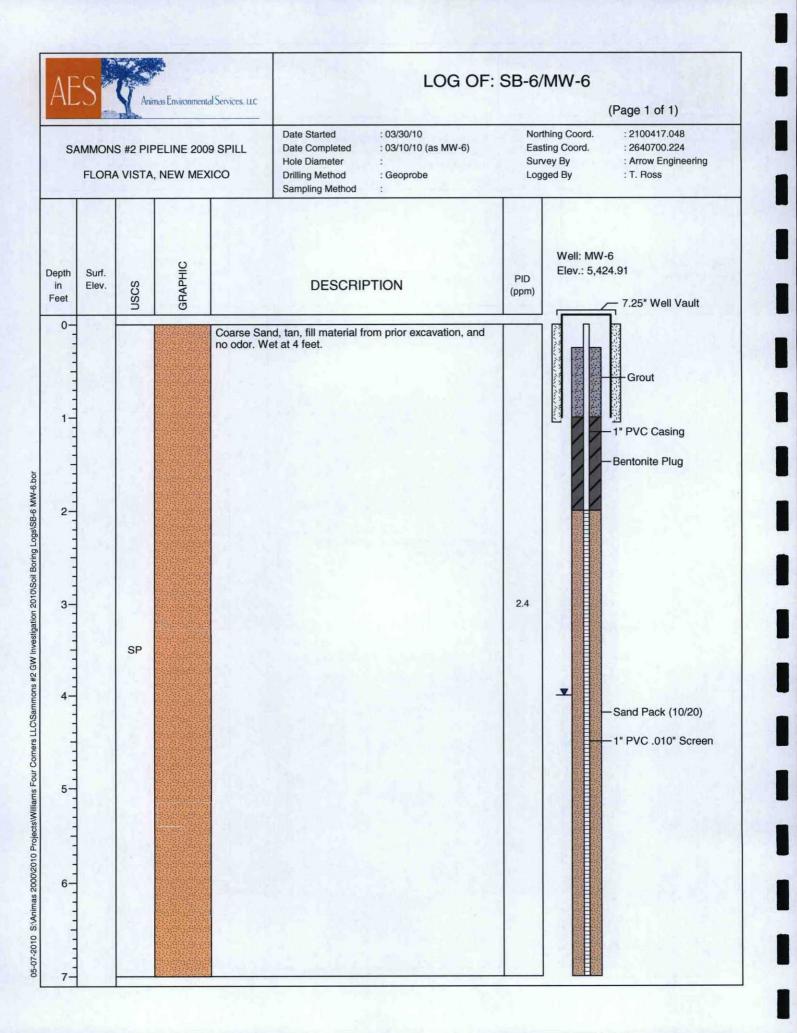






05-07-2010 S: Animas 2000/2010 Projects/Williams Four Corners LLC/Sammons #2 GW Investigation 2010/Soil Boring Logs/SB-4 MW-4.bor





Site: ⊴ Location: 3 Tech: Well [ID [/∧-↓]	Ground wat Second wat 3000 CR Δ. ω).11 Depth to NAPL (ft.) Depth to NAPL	Z Pipeline Farmingto	Spill	Form: <u>/ of </u>
ID へん) - Well [(ft.).	Water (ft.)	ALL COURSES IN THE CARD OF THE ALL CARD OF THE ALL COURSES	
Well D	Depth to NAPL	751		Method / Notes / Observations
14. C. P. Martin M. Opt. 127 (1971) 4.	Depth to NAPL	2.01	5	Peristaltic Pump
	(ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
MW-Z	_	1.38	5.25	Peristaltic Pump
Well D	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
MW-3	-	Z.04	2.5	Peristaltic Pump
Well D	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
MU-4	-	1.72	2.5	Peristal tic Pump
Well De ID	epth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
MW-5	-	1.08	5	Peristaltic Pump
Well De ID	epth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
NW-G		1.21	3	Peristaltic Pomp
Well De	epth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	L Method / Notes / Observations

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
	1050
Form:	

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	252	-	1.77		
MW-4	1252	1	1.59		
MW-5	1359	-	1.00		
MW-6	1431		1.04	-	
					717.5. A. A. A. A.
1.1					
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	Section S.				
20-24					and the second
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			1502		
	1.1.1.1		- Northern	6 (ALC) 1218 A	
	-		1. The second second		
			100		
1					
-11.00					

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

MON	ITORING W	ELL SAMPL	ING REC	ORD	A	nimas Environme	ental Services		
Mor	nitor Well No:	MW	-1		6	524 E. Comanche, Farm	nington NM 87401		
				-	Tel. (505) 564-2281 Fax (505) 324-2022				
	: Sammons #2				Project No.: AES 091				
		mington, New N			_	Date: 4-20	-10		
		Monitoring and				Arrival Time: 105			
Purg	e / No Purge:	Purg	N. Willis			Air Temp: 60			
Well	Diameter (in):	1		-		ell Depth (ft):			
Initi	ial D.T.W. (ft):		Time:			(taken at initial gauging			
Confir	m D.T.W. (ft):	243	Time:	1126		(taken prior to purging			
	al D.T.W. (ft):		Time:			(taken after sample co			
If N.	APL Present:	D.T.P.:	D.1.v	v.:	1h	ickness: 1	ime:		
	V	Vater Quality	Paramete	ers - Rec	orded [During Well Purging			
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(ms)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observation		
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		75			
1147	10,31	4.475	0.43	7.05	38.8	75	Constant and the second		
1150	10.19	4,392	0.43	7.05	35.1	75			
156							Samples Collecter		
							and the second s		
					1				
			7						
				-	52.10		THE PARTY OF		
Analyti	ical Paramet	ters (include a	analysis r	nethod a	and nun	nber and type of sar	nple containers)		
		BTEX per EP	A Method 8	3260 (3 40	mL Vials	s w/ HCl preserve)			
	GI	RO & DRO per	EPA Metho	d 8015B	(1 40mL	Vials w/ HCI preserve)			
	G	RO & DRO per	EPA Metho	od 8015B	(40mL V	ial w/ no preservative)			
	Di	sposal of Purg	ed Water:						
Collec		Stored on Ice	and the second se	Yes		and the second design	Course Confide 1		
	and the second second	stody Record (and the second of the	102					
					onmenta	I Analysis Laboratory, A	Ibuquerque NM		
	ant Llead Duri					erface Level, YSI Water			
Equipm	ent oseu Dun		New Dispo			enace Level, 151 Water			
Equipmo		and	New Dispo	sable bal	ler		and the second second		
		unu							
Equipmo	ments:	und							
	ments:								
	ments:	unu							

Monitor Well No: MW-2						624 E. Comanche, Farmington NM 87401			
				Sel.		Tel. (505) 564-2281 Fa			
	and the second se	Pipeline Spill	Anvian	-	-	Project No.: AES 091			
		mington, New M Monitoring and			-	Date: 4-20 Arrival Time: 7210	-10		
	g Technician:				'	Air Temp: 60			
CONTRACTOR CONTRACTOR	e / No Purge:				- T.O	.C. Elev. (ft):			
	Diameter (in):				Total We	.C. Elev. (ft): 7	96		
	al D.T.W. (ft):	Contract of the local division of the local	Time:			(taken at initial gauging	g of all wells)		
	m D.T.W. (ft):		Time:	121	7	(taken prior to purging			
	al D.T.W. (ft): APL Present:		Time: D.T.V	v .	Th	(taken after sample co ickness:	liection)		
			-		_				
				ers - Rec		Ouring Well Purging			
	Temp	Conductivity	DO		ORP	PURGED VOLUME			
Time	(deg C)	(#18) (mS)	(mg/L)	pH	(mV)	(see reverse for ealc.)	Notes/Observations		
220	13.16	1.743	0.37	7.35	-138.1	75			
224	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			
239			0.00				Samples Collected		
001							samples collected		
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		in the second second				and the second second			
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Analyti	cal Paramet	ers (include a	analysis n	nethod a	and num	ber and type of san	nple containers)		
						w/ HCl preserve)			
	G			In the second second	and a second second second	/ials w/ HCl preserve)			
				0 80158		al w/ no preservative)			
		sposal of Purg					- Internet and the second s		
Collec	ted Samples	Stored on Ice i	n Cooler:	Yes		Control States of the	100		
	Chain of Cus	stody Record C	complete:	Yes	14	Country and the			
		Analytical La	boratory:	Hall Envir	onmental	Analysis Laboratory, A	Ibuquerque, NM		
Equipme	ent Used Duri	ng Sampling: I	Keck Water	Level or	Keck Inte	erface Level, YSI Water	Quality Meter		
			New Dispos	and the same of the		and the second			
tes/Comr	nents: At	time.	0	collecti	~	All field	d blanks		
vere d	one.		1.00	- interior		Colorin .			
		Contract of the local division of the							
	*								

Mon	itor Well No:	MW	-3	_		24 E. Comanche, Farm	
Site	Sammons #2	Pipeline Spill				Tel. (505) 564-2281 Fa: Project No.: AES 091	
		mington, New M	lexico		_	Date: 4-20	
		Monitoring and			-	Arrival Time: 125	
		_N.W.	llis		_	Air Temp: 64	of F
	e / No Purge:		le	_	Т.О	.C. Elev. (ft):	A COMPANY
	Diameter (in): al D.T.W. (ft):		Time:	-	Total We	ell Depth (ft): 5,	
	m D.T.W. (ft):	Contraction of the local division of the loc	Time:	12.	52	(taken at initial gauging (taken prior to purging	
	al D.T.W. (ft):		Time:		56	(taken after sample co.	
	APL Present:		D.T.V	V.:	Th		'ime:
	V	Vater Quality	Paramete	ers - Rec	orded D	Ouring Well Purging	
	Temp	Conductivity	DO		ORP		
Time	(deg C)	(µS) (mS)	(mg/L)	pH	(mV)	(see reverse for calc.)	Notes/Observation
1255	11.14	2.270	0.30	7.23	-63.3	75	
1258	10.79	2.320	0.49	7.21	-50.5	75	The second second
1301	11,06	2.373	0.42	7.18	-46.0	75	
1304	9.92	2.110	0.22	7.21	-66.4	75	
308	9.73	2.005	0.24	7.21	-69.0	75	S. Le S. Inter
313	~						Samples Collet
	100 - X 100						anyres conter
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			Several A		1.11		and the second
Analyti	ical Paramet	ers (include a	analysis n	nethod	and nun	nber and type of sar	nple containers)
		BTEX per EP	A Method 8	3260 (3 40	OmL Vials	s w/ HCI preserve)	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	GI	RO & DRO per l	EPA Metho	d 8015B	(1 40mL \	Vials w/ HCI preserve)	
	G	RO & DRO per	EPA Metho	od 8015B	(40mL Vi	al w/ no preservative)	
	Di	sposal of Purg	ed Water:				
Collec	ted Samples	Stored on Ice i	n Cooler:	Yes			THE PARES
	Chain of Cus	stody Record C	complete:	Yes		- Lede Indian (Sau	No.
					ronmenta	I Analysis Laboratory, A	Ibuquerque, NM
Fauinm	ent Used Duri				1	erface Level, YSI Water	
Edubur	cint obcu buri	-	New Dispo				Quality Weter
	monte:	and	New Dispo	Sable Dai			
otoslCom	inents.						
otes/Com							
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otes/Com							

MONITORING WELL SAMPLING RECORD Monitor Well No: MW-4					Animas Environmental Services 624 E. Comanche, Farmington NM 87401					
Site: Sammons #2 Pipeline Spill						Tel. (505) 564-2281 Fax (505) 324-2022				
						Project No.: AES 091				
		mington, New Monitoring and			-	Date: 4-26				
	g Technician:				-1.5-1	Arrival Time: 132. Air Temp: 70				
	-	Purg			т.о	.C. Elev. (ft):				
	Diameter (in):			F- 7 - 4 - 5	Total We	ell Depth (ft):	84			
	ial D.T.W. (ft):		Time:		122	(taken at initial gaugin	g of all wells)			
	m D.T.W. (ft):		Time:	3	25	(taken prior to purging				
	al D.T.W. (ft): APL Present:		- Time: D.T.V	v .	Th	(taken after sample co				
							Гіте:			
				ers - Rec	1	During Well Purging				
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
Time	(deg C)	(µS) (mS)	(mg/L)	pH	(mV)	(see reverse for cale.)	Notes/Observations			
1330	12,30	2.204	0.17	7.24		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			
0.0							surpres concord			
1000				. Select			and a starting of the start of the			
			700							
-										
Analyti	ical Paramet	ers (include a	analysis n	nethod	and nun	nber and type of sar	nple containers)			
1		BTEX per EP	A Method 8	260 (3 4)	Oml Vials	w/ HCI preserve)	a constant of the second s			
	CI					Vials w/ HCl preserve)				
	and the second se			0 80158	(40mL VI	al w/ no preservative)				
		sposal of Purg								
Collec	ted Samples	Stored on Ice i	n Cooler:	Yes	13103					
1	Chain of Cus	stody Record C	complete:	les			All Strands			
		Analytical La	boratory:	Hall Envi	ronmenta	Analysis Laboratory, A	Albuquerque, NM			
Equipme	ent Used Duri	ng Sampling: I	Keck Water	Level or	Keck Inte	erface Level, YSI Water	Quality Meter			
			New Dispos							
otes/Com	ments:		- F							
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		and the second				a di ana ana ana ana ana ana ana ana ana an				
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MON	ITORING W	ELL SAMPL		CORD	A	nimas Environme	ental Services
Monitor Well No: MW-5					624 E. Comanche, Farmington NM 87401		
Sito	· Sammons #2	2 Pipeline Spill		11-1-1-1-		Tel. (505) 564-2281 Fa: Project No.: AES 091	
		mington, New M	lexico		-	Date: 4-20	
		Monitoring and				Arrival Time: 135	
a second s	g Technician:					Air Temp: 70	
		Purg		-		0.C. Elev. (ft): 7	
	Diameter (in): ial D.T.W. (ft):		Time:	-	Total We	ell Depth (ft):	
	rm D.T.W. (ft):		Time:	135	-9	(taken at initial gauging (taken prior to purging	
	al D.T.W. (ft):		Time:			(taken after sample co	
	IAPL Present:		D.T.V	N.:	Th		ime:
	۷	Vater Quality	Paramete	ers - Rec	orded [During Well Purging	44.245
	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(see reverse for calc.)	Notes/Observation
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	738	-99.Z	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							Samles Collected
* 1 1			Fr 1047 1270				complet concerne
					-		
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						and the second	
		10. 1 × 1 × 1					A Law Street
		Market Contract		1			
Analyt	ical Paramet	ters (include a	analysis r	method a	and nun	nber and type of sam	nple containers)
		BTEX per EP	A Method 8	3260 (3 40	OmL Vials	s w/ HCI preserve)	
	GI					Vials w/ HCl preserve)	
			THE REPORT OF THE			ial w/ no preservative)	defines the state
		sposal of Purg				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	State of the second
Colleg		Stored on Ice i		Yes			
Conce		stody Record C					
	onum or ous				opment	Analysis Laboratory	
Foundation	and Hand Barr					Analysis Laboratory, A	
Equipm	ent Used Duri					erface Level, YSI Water	Quality Meter
		and	New Dispo	sable Bai	er		
otes/Com	ments:						an ilstiit nis
		<u> </u>					
C Mars		1 1 1 1 1					
- 1 X - 1		N.C.					
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revised: 08/10/09

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		BALA	ING REC	OND			ental Services
Mon	itor Well No:	MW	-0	-		624 E. Comanche, Farm Tel. (505) 564-2281 Fa	
Site:	Sammons #2	Pipeline Spill			1	Project No.: AES 091	
		mington, New N	/lexico		-	Date: 4-20-	
Project:	Groundwater	Monitoring and	Sampling			Arrival Time: 1428	~
		N. W.165			_	Air Temp: 70	
	e / No Purge:		je	_		.C. Elev. (ft):	
	Diameter (in):		Time:	-	Total We	ell Depth (ft):	
	al D.T.W. (ft): n D.T.W. (ft):		Time:	143	21	(taken at initial gauging (taken prior to purging	
	al D.T.W. (ft):		Time:		51	(taken after sample co	
	APL Present:		D.T.V	V.:	Th		lime:
P.M.S.	٧	Vater Quality	Paramete	ers - Rec	orded [During Well Purging	
1915	Temp	Conductivity	DO		ORP	PURGED VOLUME	
Time	(deg C)	(µS) (mS)	(mg/L)	pH	(mV)	(sce reverse for salc.)	Notes/Observations
1434	11,95	2.362	0.14	7.29	-126.5	75	
436	11.45	2.339	0.25	7.28	-118.2	75	
1439	11,3Z	2.340	0,11	7.26		75	The second second
44Z	11.36	2.316	0.19		-114.3	75	
445	11.09	2.277	0.22	7.28		75	2
1450	11.0	SIFT.		-CIP-	110.0		5 ob Collast
150							Sample Collecto
							and a state of the
						Land March 199	Same and and
	-						
24							S. Altered
20100	1						
Analyti	cal Paramet	ers (include a	analysis n	nethod a	and nun	nber and type of sar	nple containers)
		BTEX per EP	A Method 8	3260 (3 40	mL Vials	s w/ HCI preserve)	
A STATE	G	RO & DRO per l	EPA Metho	d 8015B	(1 40mL	Vials w/ HCI preserve)	
	G	RO & DRO per	EPA Metho	d 8015B	(40mL Vi	ial w/ no preservative)	and the summer of the
	Di	sposal of Purg	ed Water:			Carl Manual Contract	
Collect		Stored on Ice i		Ves		ABELIA PER A PLAN	A CONTRACTOR
		stody Record C			-	Contraction of the second	1 1 1 1 1 1 1
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				1		Analysis Laboratory, A	
Equipme	nt Used Duri					erface Level, YSI Water	Quality Meter
_		and	New Dispo	sable Bail	ler		
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revised: 08/10/09



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

CLIENT: Lab Order:	Animas Environmen 1004033	ntal Services		Client Sample I Collection Dat		0 12:49:00 PM				
Project: Lab ID:	Sammons #2 Pipelin 1004033-01	ne Spill	1	Date Received: 4/2/2010 Matrix: SOIL						
Analyses		Result	PQL	Qual Units	DF	Date Analyzed				
EPA METHOD	8015B: DIESEL RANG	E ORGANICS				Analyst: JB				
Diesel Range O	rganics (DRO)	ND	10	mg/Kg	1	4/6/2010 9:43:37 PM				
	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 RA	NGE				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				
	021B: 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	mġ/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-Bromo	fluorobenzene	106	64.7-120	%REC	1	4/5/2010 3:03:45 PM				
EPA METHOD 4	18.1: TPH					Analyst: JB				
Petroleum Hydro	carbons, TR	ND	20	mg/Kg	1	4/5/2010				

Date: 07-Apr-10

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

Page 1 of 6

CLIENT: Lab Order: Project: Lab ID:	Animas Environmen 1004033 Sammons #2 Pipelin 1004033-02			Co	nt Sample ID: llection Date: ate Received: Matrix:	3/30/2010 4/2/2010	1:14:00 PM
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANG	E ORGANICS	······				Analyst: JB
Diesel Range O	rganics (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	BO15B: GASOLINE RA	NGE					Analyst: NSB
	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	021B: 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	A REPORT OF	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
and the second	ofluorobenzene	96.6	64.7-120		%REC	1	4/5/2010 3:33:57 PM
EPA METHOD 4	18.1: TPH						Analyst: JB
Petroleum Hydro		ND	20		mg/Kg	1	4/5/2010

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:

1

- * 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

Page 2 of 6

CLIENT:	Animas Environmental	Services		Clien	t Sample ID:	SB #3	
Lab Order:	1004033	1.00		Col	lection Date:	3/30/2010	1:27:00 PM
Project:	Sammons #2 Pipeline Sp	oill		D	ate Received:	4/2/2010	
Lab ID:	1004033-03				Matrix:	SOIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE O	RGANICS	;				Analyst: JB
Diesel Range O	rganics (DRO)	ND	10		mg/Kg	1	4/7/2010 12:05:32 AM
	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					1	Analyst: NSB
	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	021B: VOLATILES						Analyst: NSB
Methyl tert-butyl	ether (MTBE)	ND	0.10		mg/Kg	1	4/5/2010 4:07:04 PM
Benzene	Level and the second second	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-Bromo	fluorobenzene	112	64.7-120		%REC	1	4/5/2010 4:07:04 PM
EPA METHOD 4	18.1: TPH						Analyst: JB
Petroleum Hydro	ocarbons, TR	ND	20		mg/Kg	1	4/5/2010

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:

50

- * 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

Page 3 of 6

CLIENT:	Animas Environment	al Services			t Sample ID:		
Lab Order:	1004033			Col	lection Date:	3/30/2010	1:45:00 PM
Project:	Sammons #2 Pipeline	Spill		Da	ate Received:	4/2/2010	
Lab ID:	1004033-04				Matrix:	SOIL	and the second
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8	015B: DIESEL RANGE	ORGANICS			1987.00		Analyst: JB
Diesel Range Or	ganics (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 8	015B: GASOLINE RAN	GE	272				Analyst: NSB
Gasoline Range	Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2010 4:37:34 PM
Surr: BFB	5 - C - C - C - C - C - C - C - C - C -	90.9	65.9-118		%REC	1	4/5/2010 4:37:34 PM
EPA METHOD 8	021B: 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-Bromot	luorobenzene	93.0	64.7-120		%REC	1	4/5/2010 4:37:34 PM
EPA METHOD 4	18.1: TPH						Analyst: JB
Petroleum Hydrod	carbons, TR	ND	20	1	mg/Kg	1	4/5/2010

Hall Environmental Analysis Laboratory, Inc.

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

Page 4 of 6

CLIENT: Lab Order: Project: Lab ID:	Animas Environme 1004033 Sammons #2 Pipeli 1004033-05		Collection Date: 3/30/2010 1:57:00 PM						
Analyses	•	Result	PQL	Qual Units	DF	Date Analyzed			
EPA METHOD	8015B: DIESEL RANG	SE ORGANICS		100 C 100 C 100 C		Analyst: JB			
Diesel Range O	organics (DRO)	ND	10	mg/Kg	1	4/7/2010 1:16:37 AM			
Motor Oil Range	e 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 RA	NGE				Analyst: NSB			
Gasoline Range	Organics (GRO)	ND	5.0	mg/Kg	1	4/5/2010 5:08:01 PM			
Sur: BFB		93.1	65.9-118	%REC	1	4/5/2010 5:08:01 PM			
EPA METHOD	8021B: VOLATILES					Analyst: NSB			
Methyl tert-butyl		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			
	ofluorobenzene	95.2	64.7-120	%REC	1	4/5/2010 5:08:01 PM			
EPA METHOD 4	18.1: TPH					Analyst: JB			
Petroleum Hydro		ND	20	mg/Kg	1	4/5/2010			

Qualifiers:

- . Value exceeds Maximum Contaminant Level
- Е Estimated value
- Analyte detected below quantitation limits J
- NC Non-Chlorinated
- PQL Practical Quantitation Limit

- Analyte detected in the associated Method Blank в
- н Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- Spike recovery outside accepted recovery limits S

Page 5 of 6

Date: 07-Apr-10

CLIENT: Lab Order: Project:	1004033	mmons #2 Pipeline Spill Date Received: 4/2/2010		2:29:00 PM			
Lab ID:	1004033-06				Matrix:	SOIL	S. S. A. Lake
Analyses	•	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANGE OR	GANICS					Analyst: JB
Diesel Range O	rganics (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	015B: GASOLINE RANGE		1.1				Analyst: NSB
· Gasoline Range		ND	5.0		mg/Kg	1	4/5/2010 5:38:26 PM
Surr: BFB		101	65.9-118	1	%REC	1	4/5/2010 5:38:26 PM
EPA METHOD	021B: 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	1	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
	ofluorobenzene	103	64.7-120		%REC	1	4/5/2010 5:38:26 PM
EPA METHOD 4	18.1: TPH						Analyst: JB
Petroleum Hydro		ND	20		mg/Kg	1	4/5/2010

Hall Environmental Analysis Laboratory, Inc.

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

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QA/QC SUMMARY REPORT

			DÓ.	ODVI	ODV	N/Dec 1	and instit Lit	abl insit	***		Qual
Analyte	Result	Units	PQL	SPR va	SPK ref	%Rec I	owLimit Hi	gnizimic	%RPD	RPDLimit	Qual
Method: EPA Method 418.1: T	РН					Ratab ID:	04000	Analysis	Data		4/5/2010
Sample ID: MB-21833		MBLK				Batch ID:	21833	Analysis	s Date.		4/0/2011
Petroleum Hydrocarbons, TR	ND	mg/Kg	20					Analysis	Data		4151004
Sample ID: LCS-21833		LCS				Batch ID:	21833	Analysis	s Date:		4/5/2010
Petroleum Hydrocarbons, TR	117.7	mg/Kg	20	100	7.38	110	82	. 114	1.5		
Sample ID: LCSD-21833		LCSD				Batch ID:	21833	Analysis	s 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: 0	lesel Range	Organics					Sec.				
Sample ID: 1004033-01AMSD		MSD				Batch ID:	21841	Analysis	s Date:	4/6/2010 1	0:54:29 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 PN
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	00.01	LCSD	10		· ·	Batch ID:	21841	Analysis	Date:	4/6/2010 9	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	34.33	MS	10	50	v	Batch ID:	21841	Analysis		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: G	asoline Ran	-						Analusia	Datas	4/5/0040 4/	
Sample ID: MB-21834		MBLK				Batch ID:	21834	Analysis	Date:	4/5/2010 10	J: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	3:40:21 PM
Gasoline Range Organics (GRO)	30.40	mg/Kg	5.0	25	0	122	77.7	135			
Method: EPA Method 8021B: V	olatiles										
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								
oluene	ND	mg/Kg	0.050		æ						
thylbenzene	ND	mg/Kg	0.050						8		
ylenes, Total	ND	mg/Kg	0.10								
ample ID: LCS-21834		LCS				Batch ID:	21834	Analysis	Date:	4/5/2010 10	:11:30 PM
lethyl tert-butyl ether (MTBE)	1.253	mg/Kg	0.10	1	0	125	67.9	135		•	
enzene	0.9264	mg/Kg	0.050	1 0	.0117	91.5	78.8	132			
oluene	0.8964	mg/Kg	0.050	1	0	89.6	78.9	112			
thylbenzene	0.9721	mg/Kg	0.050	1 0	.0142	95.8	69.3	125			
ylenes, Total	2.933	mg/Kg	0.10	3	0	97.8	73	128	1		

Qualifiers:

E Estimated value

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

- Н Holding times for preparation or analysis exceeded Non-Chlorinated
- NC

R RPD outside accepted recovery limits

Sam	ple Receipt C	hecklist		
Client Name ANIMAS ENVIRONMENTAL		Date Recei		4/2/2010
Work Order Number 1004033		Received		21
Checklist completed by:	JL	Sample IC	labels checked by:	Initials
Signature	Date	in ho		
Matrix: Carrier nat	me: <u>Greyhound</u>			
Shipping container/cooler in good condition?	Yes 🗹	No 🗆	Not Present	요즘 같은 것이 같다.
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/bottlé?	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
Water - VOA vials have zero headspace? No VOA viais s	ubmitted	Yes	No 🗋	bottles checked for pH:
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
Container/Temp Blank temperature?	1.3°	<6° C Accepta	able	below.
COMMENTS:		If given sufficie	nt time to cool.	
		=====		
Client contacted Date contacted:		Pe	rson contacted	
Contacted by: Regarding:				La contraction
Comments:				
Corrective Action				
		- 10 - 10 aC - 10 - 10		-

C	hain	-of-Cu	stody Record	Turn-Around	Time:		1														
Client:	thinua	s Envi	ronmental	Standard	C Rush	are 7.985													NT/		
Serv	tres			Project Name													14	RA	TO	RY	
Mailing	Address	624	E. Comanche	Samo	ns #27	Pineline Saill		40	~							al.co					
Farm	ung-ta	n NM	87461	Project #:		Pipeline Spill	1		01 Ha												
Phone #	#: 15	5-564	1-2281	1 0	091204			16	el. 50	5-34	0738		1000		ALC: NOT THE OWNER.	uest	4107	1		A STATE	
email or	Fax#:	505 -	324-2022	Project Mana			-	ly)	(lei					1			and a				
QA/QC F			Level 4 (Full Validation)	Tan	i Ross		(8021)	Gas on	as/Dies					04,SO	PCB's		•	S			and the second
		□ Othe		Sampler: 7				TPH (5B (G	8.1)	4.1)	(F)		NO2,F	8082		_	(Sos)		12	IN
	(Type)			Sample Leon	etature			3E +	801	1418	9 20	r PA	als	NO3	les /		AO/	0		V or	5
Date	Time	Matrix	Sample Request ID		Preservative Type	HEALNO 1004033	BTEX + 1	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,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	ORO/GRO		Air Bubbles (V or N)	VIL DUNNIOS IN
3-30-10	1249	Sui/	5B#1	2-40029/455	· · · · · · · · · · · · · · · · · · ·		×			×		-	-	-	-		-	X			-
)	1314)	SB #2	1	·	2	X			×	-							X			
	1327		5B # 3			3	X			×	-				1. 34			X		++	-
	1345		SB #4		-	Ч	X			×	;							×			-
1	1357		5B #5			5	X			X	1							X			
	1429	*	SB # 6	</td <td></td> <td>4</td> <td>X</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td></td>		4	X			×			_					×			
										+	-				_			-+		++	
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55510	Time: 924	Relinquishe	ni Koss	Received by:	2 4/2	Date Time	Rem	narks	5:								5				-
Date:	Time:	Relinquishe	d by:	Received by:	5	Date Time										•					

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



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

CLIENT: Lab Order:	Animas Environmen 1004456	tal Services		Client Sample ID: Collection Date:		11:56:00 AM
Project:	Sammons #2 Pipelin	e Spill		Date Received:		
Lab ID:	1004456-01	• opin			AQUEOU	
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	015B: DIESEL RANGE		10 mm			Analyst: JB
Diesel Range O	rganics (DRO)	ND	1.0	mg/L	1	4/25/2010 12:28:46 AM
	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
	015B: GASOLINE RAN	IGE				Analyst: NSE
	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
	260B: VOLATILES					Analyst: HL
Benzene	LOOD. VOLATILLO	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 (MTRF)	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,2,4-Trimethylb		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,3,5-Trimethylb		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,2-Dichloroetha		ND	1.0	µg/L	i i	4/21/2010 7:19:00 PM
1,2-Dibromoetha		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-Methylnaphtha	lene	ND	4.0	µg/L	1	4/21/2010 7:19:00 PM
2-Methylnaphtha		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
Bromodichlorome	thane	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
Bromoform	and the	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 Tetrachlo	ride	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-Dichloropr	opene	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,2-Dibromo-3-ch		ND	2.0	µg/L	1	4/21/2010 7:19:00 PM
Dibromochlorome		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-Dichlorobenze	ine .	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,3-Dichlorobenze		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM

Date: 26-Apr-10

Qualifiers:

- 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

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^{*} Value exceeds Maximum Contaminant Level

CLIENT: Lab Order:	Animas Environmer 1004456	ntal Services			ple ID: MW-1 Date: 4/20/201	0 11:56:00 AM
Project:	Sammons #2 Pipelin	ne Spill			eived: 4/21/201	
Lab ID:	1004456-01			M	fatrix: AQUEO	JS
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	260B: VOLATILES		die anderen			Analyst: HL
1,4-Dichloroben	zene	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
Dichlorodifluoror	nethane	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,1-Dichloroetha	ine	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,1-Dichloroethe	ne	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,2-Dichloroprop	ane	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,3-Dichloroprop		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
2,2-Dichloroprop		ND	2.0	µg/L	1	4/21/2010 7:19:00 PM
1,1-Dichloroprop		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
Hexachlorobutad		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
Isopropylbenzen	e	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
4-isopropyitoluer		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
4-Methyl-2-penta		ND	10	µg/L	1	4/21/2010 7:19:00 PM
Methylene Chlori		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	and the second second	ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
sec-Butylbenzen		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	and the second	ND	1.0	µg/L	ŕ	4/21/2010 7:19:00 PM
1,1,1,2-Tetrachlo		ND	1.0	µg/L		4/21/2010 7:19:00 PM
1,1,2,2-Tetrachio		ND	2.0	µg/L	1	4/21/2010 7:19:00 PM
Tetrachloroethen		ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
trans-1,2-DCE		ND	1.0	µg/L	- i - i	4/21/2010 7:19:00 PM
		ND	1.0	µg/L		4/21/2010 7:19:00 PM
trans-1,3-Dichlord			1.0		1	4/21/2010 7:19:00 PM
1,2,3-Trichlorobe		ND ND	1.0	µg/L	1	4/21/2010 7:19:00 PM
1,2,4-Trichlorobe				µg/L	1	4/21/2010 7:19:00 PM
1,1,1-Trichloroeth		ND	1.0	µg/L		4/21/2010 7:19:00 PM
1,1,2-Trichloroeth		ND	1.0	µg/L	1	
Trichloroethene (ND	1.0	µg/L	1	4/21/2010 7:19:00 PM 4/21/2010 7:19:00 PM
Trichlorofluorome	A CONTRACTOR	ND	1.0	µg/L	1	
1,2,3-Trichloropro	ppane	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-Dichle		103	54.6-141	%REC	1	4/21/2010 7:19:00 PM
Surr: 4-Bromof		115	60.1-133	%REC	1	4/21/2010 7:19:00 PM
Surr: Dibromof	and the second se	104	78.5-130	%REC	1	4/21/2010 7:19:00 PM
Surr: Toluene-o	18	105	79.5-126	%REC	1	4/21/2010 7:19:00 PM

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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

Date: 26-Apr-10

- 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

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CLIENT: Lab Order: Project: Lab ID:	Animas Environmen 1004456 Sammons #2 Pipelin 1004456-02			Co	ate Receive		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD	8015B: DIESEL RANG	E					Analyst: JB
Diesel Range O	rganics (DRO)	ND	1.0		mg/L	1	4/25/2010 1:04:27 AM
	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
	015B: GASOLINE RAI	NGE					Analyst: NSE
	Organics (GRO)	1.1	0.050		mg/L	1	4/23/2010 3:44:10 PM
Surr: BFB	0194.100 (0110)	125	55.2-107	S	%REC	1	4/23/2010 3:44:10 PM
	260B: VOLATILES						Analysis III
	S260B: VOLATILES						Analyst: HL 4/21/2010 7:48:15 PM
Benzene		11 ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Toluene Ethylbenzene		2.4	1.0 1.0		μg/L μg/L	1	4/21/2010 7:48:15 PM
	ather (MTDE)	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
Methyl tert-butyl 1,2,4-Trimethylb		1.5	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,3,5-Trimethylb		1.5	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dichloroetha		ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dibromoetha		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-Methylnaphtha	lene	ND	4.0		µg/L	1	4/21/2010 7:48:15 PM
2-Methylnaphtha		ND	4.0		µg/L	1	4/21/2010 7:48:15 PM
Acetone	lone	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
Bromodichlorom	ethane	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 Tetrachio	ride .	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-Dichlorop	ropene	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,2-Dibromo-3-ch		ND	2.0		µg/L	. 1	4/21/2010 7:48:15 PM
Dibromochlorome	Server and the server	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-Dichlorobenze	ane	ND	1.0		µg/L	1	4/21/2010 7:48:15 PM
1,3-Dichlorobenze		ND	1.0		µg/L	1	4/21/2010 7:48:15 PM

Qualifiers:

- 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

Date: 26-Apr-10

MCL Maximum Contaminant Level

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

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^{*} Value exceeds Maximum Contaminant Level

E Estimated value

and a second sec	
CLIENT:	Animas Environmental Services
Lab Order:	1004456
Project:	Sammons #2 Pipeline Spill
Lab ID:	1004456-02

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Hall Environmental Analysis Laboratory, Inc.

Date: 26-Apr-10

Client Sample ID: MW-2 Collection Date: 4/20/2010 12:39:00 PM Date Received: 4/21/2010 Matrix: AQUEOUS

1,4-Dichlorobenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PL Dichlorodifluoromethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 1,1-Dichloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 1,1-Dichloroethene ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 1,3-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 2,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 2,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 2,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 1,3-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 1,4-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PL 2-Hexanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PL Hexachloroethane ND 1.0 µg/L <	Analyses	Result	PQL	Qual Units	DF	Date Analyzed
Dichlorodifluoromethane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1,1-Dichloroethane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1,1-Dichloroethane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 2,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1 1.exantorobutadiene ND 1.0 µg/L 1 4/21/2010 7/48:15 P 2-Isopropylbenzene ND 1.0 µg/L 1 4/21/2010 7/48:15 P 4-Isopropylbuenzene ND 1.0 µg/L 1 4/21/2010 7/48:15 P 1-sopropylbuenzene ND 1.0 µg/L 1 4/21/2010 7/48:15 P n-Propylbenzene ND 1.0 µg/L<	EPA METHOD 8260B: VOLATILES					Analyst: HL
1,1-Dichloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,1-Dichloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,3-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 2,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 2.2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 2Hexanone ND 1.0 µg/L 1 4/21/2010 7:48:15 P Isopropyloluene ND 1.0 µg/L 1 4/21/2010 7:48:15 P 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 P Methylene Chlorde ND 3.0 µg/L 1 4/21/2010 7:48:15 P Methylene Chlorde ND 1.0 µg/L 1	1,4-Dichlorobenzene	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 P 1,1-Dichloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,3-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 2,2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 2.2-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 P 2Hexanone ND 1.0 µg/L 1 4/21/2010 7:48:15 P Isopropyloluene ND 1.0 µg/L 1 4/21/2010 7:48:15 P 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 P Methylene Chlorde ND 3.0 µg/L 1 4/21/2010 7:48:15 P Methylene Chlorde ND 1.0 µg/L 1	Dichlorodifluoromethane	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 PI 1,3-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2,2-Dichloropropane ND 2.0 µg/L 1 4/21/2010 7:48:15 PI 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1-Alexoropylioluene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylioluene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylioluene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylioluene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI -Bulylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Broylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sco-Bulylbenzene ND 1.0	1,1-Dichloroethane	ND	1.0		1	4/21/2010 7:48:15 PM
1,3-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2,2-Dichloropropane ND 2.0 µg/L 1 4/21/2010 7:48:15 PI 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1-Dichloropropane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2-Hexanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2-Hexanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-lsopropylbenzene 1.6 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-lsopropylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4	1,1-Dichloroethene	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 PI 1,1-Dichloropropene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Hexachlorobutadiene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2-Hexanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1 isopropylicenzene 1.6 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylicenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1	1,2-Dichloropropane	ND	1.0	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 PI Hexachlorobutadiene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2-Hexanone ND 10 µg/L 1 4/21/2010 7:48:15 PI Isopropylionzene 1.6 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylionzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Tetrachloroethane ND 1.0 µg/L 1	1,3-Dichloropropane	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 PI 2-Hexanone ND 10 µg/L 1 4/21/2010 7:48:15 PI Isopropylbenzene 1.8 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Ztetrachloroethane ND 1.0 µg/L 1	2,2-Dichloropropane	ND	2.0	µg/L	1	4/21/2010 7:48:15 PM
Hexachlorobutadiene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 2-Hexanone ND 10 µg/L 1 4/21/2010 7:48:15 PI Isopropylbenzene 1.6 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylbolzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Z-Tetrachloroethane ND 1.0 µg/L 1	1,1-Dichloropropene	ND	1.0	µg/L	1	4/21/2010 7:48:15 PM
Isopropylbenzene 1.6 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Isopropylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Methylene Chioride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Styrene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Zetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Zetrachloroethane ND 1.0 µg/L 1	Hexachlorobutadiene	ND	1.0		1	4/21/2010 7:48:15 PM
4-Isopropyltoluene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 10 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI styrene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Z-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Z-Tetrachloroethane ND 1.0	2-Hexanone	ND	10	µg/L	1	4/21/2010 7:48:15 PM
4-Isopropyltoluene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 4-Methyl-2-pentanone ND 10 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI styrene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Z-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Z-Tetrachloroethane ND 1.0	Isopropylbenzene	1.6	1.0		1	4/21/2010 7:48:15 PM
4-Methyl-2-pentanone ND 10 µg/L 1 4/21/2010 7:48:15 PI Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI styrene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Trichloroethane ND 1.0 µg/L 1 <td></td> <td>ND</td> <td>1.0</td> <td></td> <td>1</td> <td>4/21/2010 7:48:15 PM</td>		ND	1.0		1	4/21/2010 7:48:15 PM
Methylene Chloride ND 3.0 µg/L 1 4/21/2010 7:48:15 PI n-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI n-Propylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI sec-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI Styrene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI tert-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI tert-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI tert-Butylbenzene ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2;2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI trans-1,2-DCE ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,2,3-Trichloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PI 1,1,2-Trichloroethane ND 1.0 µg/L 1		ND	10		• 1	4/21/2010 7:48:15 PM
n-Butylberizene 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 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PM 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PM 1,1,2-Tetrachloroethane ND 2.0 µg/L 1 4/21/2010 7:48:15 PM 1,1,2-Tetrachloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PM 1,2,3-Trichloroptopene ND 1.0 µg/L 1 4/21/2010 7:48:15 PM 1,2,4-Trichloroethane ND 1.0 µg/L 1 4/21/2010 7:48:15 PM 1,1,1-Trichloroethane ND 1.0 µg/L		ND	3.0		1	4/21/2010 7:48:15 PM
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trans-1,2-DCEND1.0µg/L14/21/2010 7:48:15 PMtrans-1,3-DichloropropeneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichlorobenzeneND1.0µg/L14/21/2010 7:48:15 PM1,2,4-TrichlorobenzeneND1.0µg/L14/21/2010 7:48:15 PM1,1,1-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND2.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-Trichloropthane-d478.754.6-141%REC14/21/2010 7:48:15 PMSurr: 1,2-Dichloroethane-d478.754.6-141%REC <td< td=""><td></td><td>ND</td><td>2.0</td><td>µg/L</td><td>1</td><td>4/21/2010 7:48:15 PM</td></td<>		ND	2.0	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 1,2,4-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 1,1,2-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 1,2,3-Trichloropthane 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 1.0 µg/L 1 4/21/2010 7:48:15 PM Vinyl chloride ND 1.0<	Tetrachloroethene (PCE)	ND	1.0	µg/L	1	4/21/2010 7:48:15 PM
trans-1,3-DichloropropeneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichlorobenzeneND1.0µg/L14/21/2010 7:48:15 PM1,2,4-TrichlorobenzeneND1.0µg/L14/21/2010 7:48:15 PM1,1,1-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,1,2-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloroethaneND1.0µg/L14/21/2010 7:48:15 PMTrichlorofluoromethaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND2.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND2.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-TrichloropropaneND1.0µg/L14/21/2010 7:48:15 PM1,2,3-Trichloropthane-d478.754.6-141%REC14/21/2010 7:48:15 PMSurr: 1,2-Dichloroethane-d478.754.6-141%REC14/21/2010 7:48:15 PMSurr: 4-Bromofluorobenzene1060.1-133 </td <td>trans-1,2-DCE</td> <td>ND</td> <td>1.0</td> <td>µg/L</td> <td>1</td> <td>4/21/2010 7:48:15 PM</td>	trans-1,2-DCE	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 1,1,2-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 Trichloroethane (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 1,2,3-Trichloropropane ND 1.0 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: 1,2-Dichloroet		ND	1.0	µg/L	1	4/21/2010 7:48:15 PM
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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 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 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	1,1,1-Trichloroethane	ND	1.0	µg/L	1	4/21/2010 7:48:15 PM
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 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	1,1,2-Trichloroethane	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	Trichloroethene (TCE)	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	Trichlorofluoromethane	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	1,2,3-Trichloropropane	ND	2.0		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	Vinyl chloride	ND	1.0	µg/L	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	Xylenes, Total	22	1:5	µg/L	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: 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: Toluene-d8 104 79.5-126 %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
- 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

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CLIENT:	Animas Environmental Services
Lab Order:	1004456
Project:	Sammons #2 Pipeline Spill
Lab ID:	1004456-03

Analyses

Benzene

Toluene

Ethylbenzene

Hall Environmental Analysis Laboratory, Inc.

Date: 26-Apr-10

Client Sample ID: FIELD BLANK Collection Date: 4/20/2010 12:39:00 PM Date Received: 4/21/2010 Matrix: AQUEOUS

DF

Date Analyzed

4/21/2010 8:17:25 PM 4/21/2010 8:17:25 PM

Analyst: HL 4/21/2010 8:17:25 PM

PQL Qual Units EPA METHOD 8260B: VOLATILES ND 1.0 µg/L 1 ND 1.0 µg/L 1 ND 1.0 µg/L 1

Result

Luijibonicono	110	1.0	P.8.		
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 *

E Estimated value

J Analyte detected below quantitation limits

NC Non-Chlorinated

PQL Practical Quantitation Limit

Analyte detected in the associated Method Blank в

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

CLIENT:				Client Sample ID: FIELD BLANK					
Lab Order: 1004456				Collection Date: 4/20/2010 12:39:00 PM					
Project:	ne Spill	Date Received: 4/21/2010							
Lab ID:	1004456-03			Matri	x: AQUEO	US			
Analyses	To Part Star	Result	PQL	Qual Units	DF	Date Analyzed			
PA METHOD	260B: VOLATILES					Analyst: HL			
2-Hexanone		ND	10	µg/L	1	4/21/2010 8:17:25 PM			
Isopropylbenzen	e	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
4-Isopropyltoluer	ne	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
4-Methyl-2-penta		ND	10	µg/L	1	4/21/2010 8:17:25 PM			
Methylene Chlor		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-Butylbenzen		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-Butylbenzen	e	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,1,1,2-Tetrachio		ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,1,2,2-Tetrachio	roethane	ND	2.0	µg/L	1	4/21/2010 8:17:25 PM			
Tetrachloroethen	e (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-Dichlon	opropene	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,2,3-Trichlorobe		ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,2,4-Trichlorobe	nzene	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,1,1-Trichloroeth	nane	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,1,2-Trichloroeth	nane	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			
Trichlorofluorome	thane	ND	1.0	µg/L	1	4/21/2010 8:17:25 PM			
1,2,3-Trichloropro	opane	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-Dichl	oroethane-d4	99.8	54.6-141	%REC	1	4/21/2010 8:17:25 PM			
Surr: 4-Bromof	luorobenzene	108	60.1-133	%REC	1	4/21/2010 8:17:25 PM			
Surr: Dibromof	luoromethane	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			

Date: 26-Apr-10

Hall Environmental Analysis Laboratory, Inc.

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

CLIENT: Lab Order: Project: Lab ID:	Animas Environme 1004456 Sammons #2 Pipeli 1004456-04			Colle	ction Date Receive	D: MW-3 e: 4/20/2010 1:13:00 PM d: 4/21/2010 x: AQUEOUS		
Analyses		Result	PQL	Qual U	Inits	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANG	E					Analyst: JB	
Diesel Range C	Organics (DRO)	ND	1.0		ng/L	1	4/25/2010 1:40:09 AM	
Motor Oil Range	e Organics (MRO)	ND	5.0		ng/L	1	4/25/2010 1:40:09 AM	
Surr: DNOP		126	86.9-151	%	REC	1	4/25/2010 1:40:09 AM	
	8015B: GASOLINE RA	NGE					Analyst: NSI	
	Organics (GRO)	ND	0.050	m	g/L	1	4/23/2010 4:13:03 PM	
Surr: BFB	organise (erre)	94.7	55.2-107		REC	1	4/23/2010 4:13:03 PM	
Sun Di S		04.7	00.2 101	~			*******	
EPA METHOD	8260B: VOLATILES						Analyst: HL	
Benzene		ND	1.0	þ	g/L	1	4/21/2010 8:46:38 PM	
Toluene		ND	1.0		g/L	1	4/21/2010 8:46:38 PM	
Ethylbenzene		ND	1.0		g/L	1	4/21/2010 8:46:38 PM	
Methyl tert-butyl	ether (MTBE)	ND	1.0		g/L	1	4/21/2010 8:46:38 PM	
1,2,4-Trimethylb	enzene	ND	1.0	100	g/L	1	4/21/2010 8:46:38 PM	
1,3,5-Trimethylb	enzene	ND	1.0		J/L	1	4/21/2010 8:46:38 PM	
1,2-Dichloroetha	ane (EDC)	ND	1.0		J/L	1	4/21/2010 8:46:38 PM	
1,2-Dibromoetha	ane (EDB)	ND	1.0	þð		1	4/21/2010 8:46:38 PM	
Naphthalene		· ND	2.0	ha		1	4/21/2010 8:46:38 PM	
1-Methylnaphtha		ND	4.0	hð		1	4/21/2010 8:46:38 PM	
2-Methylnaphtha	alene	ND	4.0	bd		1	4/21/2010 8:46:38 PM	
Acetone		ND	10	ha		1	4/21/2010 8:46:38 PM	
Bromobenzene		ND	1.0	ha		1	4/21/2010 8:46:38 PM	
Bromodichlorom	ethane	ND	1.0	þg		1	4/21/2010 8:46:38 PM	
Bromoform		ND	1.0	þg		1	4/21/2010 8:46:38 PM	
Bromomethane		ND	1.0	þg		1	4/21/2010 8:46:38 PM	
2-Butanone		ND	10	hð		1	4/21/2010 8:46:38 PM	
Carbon disulfide		ND	10	hð		1	4/21/2010 8:46:38 PM	
Carbon Tetrachle	oride	ND	1.0	ha		1	4/21/2010 8:46:38 PM	
Chlorobenzene		ND	1.0	Pa		1	4/21/2010 8:46:38 PM	
Chloroethane		ND	2.0	hà		1	4/21/2010 8:46:38 PM	
Chloroform		ND	1.0	PA		1	4/21/2010 8:46:38 PM	
Chloromethane		ND	1.0	hð		1	4/21/2010 8:46:38 PM	
2-Chlorotoluene		ND	1.0	hð		1	4/21/2010 8:46:38 PM	
4-Chlorotoluene		ND	1.0	hð		1	4/21/2010 8:46:38 PM	
cis-1,2-DCE		ND	1.0	hð		1	4/21/2010 8:46:38 PM	
cis-1,3-Dichlorop	and the second	ND	1.0	hð		1	4/21/2010 8:45:38 PM	
1,2-Dibromo-3-ch		ND	2.0	hð		1	4/21/2010 8:46:38 PM	
Dibromochlorom		ND	1.0	hð		1	4/21/2010 8:46:38 PM	
Dibromomethane		ND	1.0	hði		1	4/21/2010 8:46:38 PM	
1,2-Dichlorobenz		ND	1.0	hân		1	4/21/2010 8:46:38 PM	
1,3-Dichlorobenz	ene	ND	1.0	han	L	1	4/21/2010 8:46:38 PM	

Date: 26-Apr-10

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

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Date: 26-Apr-10

CLIENT:	Animas Environmental Services
Lab Order:	1004456
Project:	Sammons #2 Pipeline Spill
Lab ID:	1004456-04

Client Sample ID: MW-3 Collection Date: 4/20/2010 1:13:00 PM Date Received: 4/21/2010

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	hð/r	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
- 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

CLIENT: Lab Order: Project: Lab ID:	Animas Environme 1004456 Sammons #2 Pipeli 1004456-05		Collection Date: 4/20/2010 1:48				
Analyses		Result	PQL	Qual Unit	ts DF	Date Analyzed	
EPA METHOD	015B: DIESEL RANG	E			CATTON COMPANY	Analyst: JB	
Diesel Range Or	rganics (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	%RE	C 1	4/25/2010 2:15:33 AM	
	015B: GASOLINE RA	NGE				Analyst: NSE	
Gasoline Range		0.074	0.050	mg/L	1	4/23/2010 4:41:54 PM	
Surr: BFB	Organics (ONO)	98.7	55.2-107	%RE		4/23/2010 4:41:54 PM	
SUIT. DED		90.7	00.2-107	70RE	с і	4/23/2010 4.41.04 PW	
EPA METHOD 8	260B: 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-Trimethylbe	anzene	ND	1.0	µg/L	1	4/21/2010 9:15:52 PM	
1,3,5-Trimethylbe	enzene	ND	1.0	µg/L	1	4/21/2010 9:15:52 PM	
1,2-Dichloroethan	ne (EDC)	ND	1.0	µg/L	1	4/21/2010 9:15:52 PM	
1,2-Dibromoetha	ne (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-Methylnaphthal	ene	ND	4.0	µg/L	1	4/21/2010 9:15:52 PM	
2-Methylnaphthal		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	
Bromodichlorome	thane	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	0	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 Tetrachio	ride	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-Chiorotoluene		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-Dichloropr	opene	ND	1.0	µg/L	1	4/21/2010 9:15:52 PM	
1,2-Dibromo-3-chl	-	ND	2.0	µg/L	1	4/21/2010 9:15:52 PM	
Dibromochlorome		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-Dichlorobenze	ne	ND	1.0	µg/L	i	4/21/2010 9:15:52 PM	
1,3-Dichlorobenze		ND	1.0	µg/L	1	4/21/2010 9:15:52 PM	

Date: 26-Apr-10

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

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CLIENT:	Animas Environmental Services
Lab Order:	1004456
Project:	Sammons #2 Pipeline Spill
Lab ID:	1004456-05

Date: 26-Apr-10

Collection Date: 4/20/2010 1:48:00 PM

Client Sample ID: MW-4

Date Received: 4/21/2010

Matrix: AQUEOUS **Date Analyzed** Result **POL Oual Units** DF Analyses EPA METHOD 8260B: VOLATILES Analyst: HL 4/21/2010 9:15:52 PM 1,4-Dichlorobenzene ND 1.0 µg/L 1 Dichlorodifluoromethane ND 1.0 µg/L 1 4/21/2010 9:15:52 PM ND 1 4/21/2010 9:15:52 PM 1.1-Dichloroethane 1.0 µg/L ND 1 4/21/2010 9:15:52 PM 1.1-Dichloroethene 1.0 ug/L 4/21/2010 9:15:52 PM 1 1,2-Dichloropropane ND 1.0 µg/L 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 4/21/2010 9:15:52 PM ND 1 1,1-Dichloropropene 1.0 µg/L ND 4/21/2010 9:15:52 PM Hexachlorobutadiene 1.0 µg/L 1 4/21/2010 9:15:52 PM 2-Hexanone ND 10 µg/L 1 Isopropylbenzene 1.1 1.0 µg/L 1 4/21/2010 9:15:52 PM 4/21/2010 9:15:52 PM 4-Isopropyltoluene ND 1.0 µg/L 1 4-Methyl-2-pentanone ND 10 µg/L 1 4/21/2010 9:15:52 PM Methylene Chloride ND 3.0 1 4/21/2010 9:15:52 PM µg/L 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 ND 1.0 4/21/2010 9:15:52 PM Styrene µg/L 1 tert-Butylbenzene ND 1.0 µg/L 1 4/21/2010 9:15:52 PM 1,1,1,2-Tetrachloroethane ND 1.0 1 4/21/2010 9:15:52 PM µg/L ND 2.0 1 4/21/2010 9:15:52 PM 1,1,2,2-Tetrachloroethane µg/L ND 4/21/2010 9:15:52 PM Tetrachloroethene (PCE) 1.0 µg/L 1 ND 4/21/2010 9:15:52 PM trans-1,2-DCE 1.0 1 µg/L 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 ND 1.0 1 4/21/2010 9:15:52 PM 1,2,4-Trichlorobenzene µg/L 4/21/2010 9:15:52 PM 1,1,1-Trichloroethane ND 1.0 µg/L 1 ND 4/21/2010 9:15:52 PM 1,1,2-Trichloroethane 1.0 1 µg/L Trichloroethene (TCE) ND 1.0 µg/L 1 4/21/2010 9:15:52 PM 4/21/2010 9:15:52 PM Trichlorofiuoromethane ND 1.0 µg/L 1 µg/L 4/21/2010 9:15:52 PM 1,2,3-Trichloropropane ND 2.0 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 95.5 54.6-141 %REC Surr: 1,2-Dichloroethane-d4 1 %REC 4/21/2010 9:15:52 PM Surr: 4-Bromofluorobenzene 113 60.1-133 1 %REC 4/21/2010 9:15:52 PM Surr: Dibromofluoromethane 101 78.5-130 1

Qualifiers:

- Value exceeds Maximum Contaminant Level
- E Estimated value

Surr: Toluene-d8

- 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

1

- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit

%REC

S Spike recovery outside accepted recovery limits

79.5-126

106

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4/21/2010 9:15:52 PM

CLIENT: Animas Environmental Services				Clies	nt Sample ID:	MW-5		
ab Order: 1004456				Collection Date:		4/20/2010 2:19:00 PM		
Project:				D	ate Received:	4/21/2010)	
Lab ID: 1004456-06		distant and				AQUEOU		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	
EPA METHOD	8015B: DIESEL RANGI						Analyst: JB	
Diesel Range O		ND	1.0		mg/L	1	4/25/2010 2:50:58 AM	
and the second se	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	
	8015B: GASOLINE RAI	NGE					Analyst: NSE	
	Organics (GRO)	0.055	0.050		mg/L	1	4/23/2010 5:10:49 PM	
Surr. BFB	Olganica (Crito)	107	55.2-107	s	%REC	i	4/23/2010 5:10:49 PM	
							4	
	3260B: 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		ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
1,2,4-Trimethylb		ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
1,3,5-Trimethylb		ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
1,2-Dichloroetha		ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
1,2-Dibromoetha	ine (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-Methylnaphtha		ND	4.0		µg/L	1	4/21/2010 9:45:06 PM	
2-Methylnaphtha	lene	ND	4.0		µg/L	1	4/21/2010 9:45:06 PM	
Acetone		ND	10		µg/L	1	4/21/2010 9:45:08 PM	
Bromobenzene		ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
Bromodichlorom	ethane	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		hð\r	1	4/21/2010 9:45:06 PM	
Carbon disulfide		ND	10		µg/L	1	4/21/2010 9:45:06 PM	
Carbon Tetrachic	oride	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		4/21/2010 9:45:06 PM	
cis-1,3-Dichlorop	and the second	ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
1,2-Dibromo-3-ch		ND	2.0		µg/L	1	4/21/2010 9:45:06 PM	
Dibromochlorome		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-Dichlorobenzo		ND	1.0		µg/L	1	4/21/2010 9:45:06 PM	
1,3-Dichlorobenzo	ene	ND	1.0	16.0	µg/L	1	4/21/2010 9:45:06 PM	

Date: 26-Apr-10

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

				Concellon Su		0 2119100 1 112
Project:	Sammons #2 Pipelin	e Spill		Date Receive	d: 4/21/201	0
Lab ID:	1004456-06			Matri	ix: AQUEO	US
Analyses		Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD	260B: VOLATILES					Analyst: HL
1,4-Dichloroben	zene	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
Dichlorodifluoron	methane	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,1-Dichloroetha	ine	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,1-Dichloroethe	ene	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,2-Dichloroprop	ane	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,3-Dichloroprop	ane	ND	1.0	µg/L	1	4/21/2010 9:45:08 PM
2,2-Dichloroprop	ane	ND	2.0	µg/L	1	4/21/2010 9:45:06 PM
1,1-Dichloroprop	ene	ND	1.0	µg/L	1	4/21/2010 9:45:08 PM
Hexachlorobutad	tiene	ND	1.0	µg/L	1.	4/21/2010 9:45:06 PM
2-Hexanone	A CONTRACT OF	ND	10	µg/L	1	4/21/2010 9:45:06 PM
Isopropylbenzen	e	1.7	1.0	µg/L	1	4/21/2010 9:45:06 PM
4-Isopropyltoluer	ne	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
4-Methyl-2-penta	inone	ND	10	µg/L	1	4/21/2010 9:45:06 PM
Methylene Chlori	ide	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	F	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
sec-Butylbenzen	e	ND	1.0		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-Tetrachlo		ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,1,2,2-Tetrachio	roethane	ND	2.0	µg/L	1	4/21/2010 9:45:06 PM
Tetrachloroethen	e (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-Dichlord	opropene	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,2,3-Trichlorobe	nzene	ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,2,4-Trichlorobe	nzene	ND	1.0	µg/L	1	4/21/2010 9:45:08 PM
1,1,1-Trichloroeth		ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,1,2-Trichloroeth		ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
Trichloroethene (ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
Trichlorofluorome		ND	1.0	µg/L	1	4/21/2010 9:45:06 PM
1,2,3-Trichloropro		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-Dichle	proethane-d4	103	54.6-141	%REC	1	4/21/2010 9:45:06 PM
Surr: 4-Bromof		114	60.1-133	%REC	1	4/21/2010 9:45:06 PM
Surr: Dibromofi		107	78.5-130	%REC	1	4/21/2010 9:45:06 PM

Animas Environmental Services

1004456

CLIENT:

Lab Order:

- Qualifiers: Value exceeds Maximum Contaminant Level *
- Estimated value E
- J Analyte detected below quantitation limits
- NC Non-Chlorinated

Surr: Toluene-d8

PQL Practical Quantitation Limit

Analyte detected in the associated Method Blank в

1

- Holding times for preparation or analysis exceeded н
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit

%REC

S Spike recovery outside accepted recovery limits

4/21/2010 9:45:06 PM

79.5-126

103

Date: 26-Apr-10

Collection Date: 4/20/2010 2:19:00 PM

Client Sample ID: MW-5

CLIENT: Lab Order: Project: Lab ID:	Animas Environme 1004456 Sammons #2 Pipeli 1004456-07			Client Sample ID: MW-6 Collection Date: 4/20/2010 2:50:00 PM Date Received: 4/21/2010 Matrix: AQUEOUS					
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed		
EPA METHOD	8015B: DIESEL RANG	E				100	Analyst: JB		
Diesel Range C	Irganics (DRO)	ND	1.0		mg/L	1	4/25/2010 3:26:19 AM		
Motor Oil Range	e 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 RA	NGE					Analyst: NSI		
	Organics (GRO)	3.2	0.050		mg/L	1	4/23/2010 5:39:39 PM		
Surr: BFB	, organise (5:10)	124	55.2-107	S	%REC	1	4/23/2010 5:39:39 PM		
							Analyst: HL		
	8260B: VOLATILES	4.6	1.0			1	4/22/2010 3:59:58 PM		
Benzene		4.0 ND	1.0		μg/L μg/L	1	4/22/2010 3:59:58 PM		
Toluene		11	1.0		µg/L	1	4/22/2010 3:59:58 PM		
Ethylbenzene	other (MTDE)	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM		
Methyl tert-butyl 1,2,4-Trimethylb		6.6	1.0		µg/L	1	4/22/2010 3:59:58 PM		
1,3,5-Trimethylb		4.0	1.0		µg/L	1	4/22/2010 3:59:58 PM		
1,2-Dichloroetha		ND	1.0		µg/L	1	4/22/2010 3:59:58 PM		
1,2-Dibromoetha		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-Methylnaphtha	alene	ND	4.0		µg/L	1	4/22/2010 3:59:58 PM		
2-Methylnaphtha		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		
Bromodichlorom	ethane	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 Tetrachk	oride	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-Dichlorop	ropene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM		
1,2-Dibromo-3-ch	hioropropane	ND	2.0		µg/L	1	4/22/2010 3:59:58 PM		
Dibromochlorom	ethane	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-Dichlorobenz	ene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM		
1,3-Dichlorobenz	ene	ND	1.0		µg/L	1	4/22/2010 3:59:58 PM		

Date: 26-Apr-10

Qualifiers:

70

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

CLIENT:	Animas Environmental Services
Lab Order:	1004456
Project:	Sammons #2 Pipeline Spill
Lab ID:	1004456-07

Date: 26-Apr-10

Client Sample ID: MW-6 Collection Date: 4/20/2010 2:50:00 PM Date Received: 4/21/2010 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	h8/r	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-Isopropyitoluene	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
- 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

Date: 26-Apr-10

CLIENT:	Animas Environmental Services
Lab Order:	1004456
Project:	Sammons #2 Pipeline Spill
Lab ID:	1004456-08

Client Sample ID: TRIP BLANK Collection Date: Date Received: 4/21/2010 Matrix: TRIP BLANK

Analyses	Result	PQL	Qual U	inits	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0	μg	g/L	1	4/21/2010 10:43:34 PM
Toluene	ND	1.0	μg	g/L	1	4/21/2010 10;43:34 PM
Ethylbenzene	ND	1.0		g/L	1	4/21/2010 10:43:34 PM
Methyl tert-butyl ether (MTBE)	ND	1.0	PQ	g/L	1	4/21/2010 10:43:34 PM
1,2,4-Trimethylbenzene	ND	1.0	Pa	J/L	1	4/21/2010 10:43:34 PM
1,3,5-Trimethylbenzene	ND	1.0	pq	g/L	1	4/21/2010 10:43:34 PM
1,2-Dichloroethane (EDC)	ND	1.0	μg	g/L	1	4/21/2010 10:43:34 PM
1,2-Dibromoethane (EDB)	ND	1.0	pq	g/L	1	4/21/2010 10:43:34 PM
Naphthalene	ND	2.0	þg	g/L_	1	4/21/2010 10:43:34 PM
1-Methylnaphthalene	ND	4.0	Pa	J/L	1	4/21/2010 10:43:34 PM
2-Methylnaphthalene	ND	4.0	Pa	g/L	1	4/21/2010 10:43:34 PM
Acetone	ND	10	рđ	1/L	1	4/21/2010 10:43:34 PM
Bromobenzene	ND	1.0	рđ	/L	1	4/21/2010 10:43:34 PM
Bromodichloromethane	ND	1.0	þg	1/L	1	4/21/2010 10:43:34 PM
Bromoform	ND	1.0	μg	1/L	1	4/21/2010 10:43:34 PM
Bromomethane	ND	1.0	рq	ı/L	1	4/21/2010 10:43:34 PM
2-Butanone	ND	10	þg	1/L	1	4/21/2010 10:43:34 PM
Carbon disulfide	ND	10	, ha	/L	1	4/21/2010 10:43:34 PM
Carbon Tetrachloride	ND	1.0	pq	/L	1	4/21/2010 10:43:34 PM
Chlorobenzene	ND	1.0	hð	/L	1	4/21/2010 10:43:34 PM
Chloroethane	ND	2.0	hà	/L	1	4/21/2010 10:43:34 PM
Chloroform	ND	1.0	ha	/L	1	4/21/2010 10:43:34 PM
Chloromethane	ND	1.0	hđ	/L	1	4/21/2010 10:43:34 PM
2-Chlorotoluene	ND	1.0	hð	/L	1	4/21/2010 10:43:34 PM
4-Chlorotoluene	ND	1.0	hð	/L	1	4/21/2010 10:43:34 PM
cis-1,2-DCE	ND	1.0	ha	/L	1	4/21/2010 10:43:34 PM
cis-1,3-Dichloropropene	ND	1.0	h Bri	ЛL	1	4/21/2010 10:43:34 PM
1,2-Dibromo-3-chloropropane	ND	2.0	μgų	/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	hði	/L	1	4/21/2010 10:43:34 PM
1,2-Dichlorobenzene	ND	1.0	hay	/L	1	4/21/2010 10:43:34 PM
1,3-Dichlorobenzene	ND	1.0	hðy	/L	1	4/21/2010 10:43:34 PM
1,4-Dichlorobenzene	ND	1.0	hBh	/L	1	4/21/2010 10:43:34 PM
Dichlorodifluoromethane	ND	1.0	/gų	/L	1	4/21/2010 10:43:34 PM
1,1-Dichloroethane	ND	1.0	hð/	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	hðh	L	1	4/21/2010 10:43:34 PM
1,3-Dichloropropane	ND	1.0	/gy	L	1	4/21/2010 10:43:34 PM
2,2-Dichloropropane	ND	2.0	hð/		1	4/21/2010 10:43:34 PM
1,1-Dichloropropene	ND	1.0	hðh	L	1	4/21/2010 10:43:34 PM
Hexachlorobutadiene	ND	1.0	µg/	Ľ	1	4/21/2010 10:43:34 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

Date: 26-Apr-10

CLIENT:Animas Environmental ServicesLab Order:1004456Project:Sammons #2 Pipeline SpillLab ID:1004456-08

Client Sample ID: TRIP BLANK Collection Date: Date Received: 4/21/2010 Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES				10		Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/21/2010 10:43:34 PM
Isopropyibenzene	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 PN
Tetrachloroethene (PCE)	ND	1.0	5.0	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	1	µg/L	1	4/21/2010 10:43:34 PM
1,2,4-Trichlorobenzene	ND	1.0	1	µg/L	1	4/21/2010 10:43:34 PM
1,1,1-Trichloroethane	ND	1.0	1	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		ug/L	1	4/21/2010 10:43:34 PM
Trichlorofluoromethane	ND	1.0		ug/L	1	4/21/2010 10:43:34 PM
1,2,3-Trichloropropane	ND	2.0		ug/L	1	4/21/2010 10:43:34 PM
Vinyl chloride	ND	1.0	ŀ	ug/L	1	4/21/2010 10:43:34 PM
Xylenes, Total	ND	1.5	ŀ	Jg/L	1	4/21/2010 10:43:34 PM
Surr: 1,2-Dichloroethane-d4	105	54.6-141	9	%REC	1	4/21/2010 10:43:34 PM
Surr: 4-Bromofluorobenzene	114	60.1-133	9	KREC	1	4/21/2010 10:43:34 PM
Surr: Dibromofluoromethane	108	78.5-130	9	%REC	1	4/21/2010 10:43:34 PM
Surr: Toluene-d8	101	79.5-126	9	%REC	1	4/21/2010 10:43:34 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

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QA/QC SUMMARY REPORT

Client: Animas Env Project: Sammons #2	and the second se								Work	Order:	1004456
Analyte	Result	Units	PQL	SPK Va S	PK ref	%Rec L	owLimit Hi	ghLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: D	lesel Range			and the second		Datab ID:		Anaturi	- Data:	4/24/2040	0.00.40 00
Sample ID: MB-22023		MBLK	100			Batch ID:	22023	Analys	is 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				00000	Anahusi	. Doto:	4/24/2010	7-07-54 DM
Sample ID: LCS-22023		LCS				Batch ID:	22023		s Date:	4/24/2010	1.01.04 PW
Diesel Range Organics (DRO)	4.425	mg/L	1.0	5	0	88.5	74	157			
Sample ID: LCSD-22023		LCSD				Batch ID:	22023	Analysi	s 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: G	asoline Ran	ge									
Sample ID: 5ML RB		MBLK				Batch ID:	R38378	Analysi	s 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	Analysi	s Date:	4/23/2010	8:03:50 PM
Gasoline Range Organics (GRO)	0.5284	mg/L	0.050	0.5	0	106	80	115	100		
Sample ID: 2.5UG GRO LCSD		LCSD				Batch ID:	R38378	Analysi	s 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

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

Page 1

QA/QC SUMMARY REPORT

Project: Sammons #	2 Pipeline S	hu					WUIK	Order:	1004456
Analyte	Result	Units	PQL	SPK Va SPK ref	%Rec Lo	owLimit HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B:	VOLATILES			-					
Sample ID: 5ml rb		MBLK			Batch ID:	R38318 Analys	is Date:	4/21/2010 10	0:40:03 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				19		
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
-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						
-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		1.0						
-Chlorotoluene		µg/L	1.0						
	ND	µg/L							
-Chlorotoluene	ND	µg/L	1.0						
is-1,2-DCE	ND	µg/L	1.0						
is-1,3-Dichloropropene	ND	µg/L	1.0						
,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
,2-Dichlorobenzene	ND	µg/L	1.0						
,3-Dichlorobenzene	ND	µg/L	1.0						
,4-Dichlorobenzene	ND	µg/L	1.0						
lichlorodifluoromethane	ND	µg/L	1.0						
,1-Dichloroethane	ND	µg/L	1.0						
,1-Dichloroethene	ND	µg/L	1.0						
,2-Dichloropropane	ND	µg/L	1.0						
,3-Dichloropropane	ND	µg/L	1.0						
,2-Dichloropropane	ND	µg/L	2.0						
1-Dichloropropene	ND	µg/L	1.0						
exachlorobutadiene	ND	µg/L	1.0						
-Hexanone	ND	µg/L	10						
opropylbenzene	ND	µg/L	1.0						
-Isopropyltoluene	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

Analyte	Result	Units	PQL	SPK Va SPK ref	%Rec Lo	wLimit Hig	hLimit	%RPD	RPDLimit Qual
Method: EPA Method 8260B:	VOLATILES								101001010101000
Sample ID: 5ml rb		MBLK			Batch ID:	R38318	Analysi	s Date:	4/21/2010 10:40:03 A
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						
	ND	µg/L	1.0						
Styrene ert-Butylbenzene	ND	µg/L	1.0					16.6	
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						
	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		1				
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	2.0						
1,2,3-Trichloropropane	ND	µg/L	1.0						
Vinyl chloride	ND	µg/L	1.5						
Xylenes, Total	ND	MBLK			Batch ID:	R38343	Analys	is Date:	4/22/2010 11:35:42 A
Sample ID: 5ml rb			4.0						
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		3				
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			Sec. 2.			
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

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QA/QC SUMMARY REPORT

								-		0
Analyte	Result	Units	PQL	SPK Va SPK ref	%Rec Lo	owLimit Hig	Infimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B:	VOLATILES				and the		. 50			
Sample ID: 5ml rb		MBLK			Batch ID:	R38343	Analysis	a Date:	4/22/2010 1	1:35:42 A
Chloromethane	ND	µg/L	1.0							
2-Chlorotoluene	ND	µg/L	1.0							
I-Chlorotoluene	ND	µg/L	1.0							
cis-1,2-DCE	ND	µg/L	1.0							
cis-1,3-Dichloropropene	ND	µg/L	1.0							
,2-Dibromo-3-chloropropane	ND	µg/L	2.0							
Dibromochloromethane	ND	µg/L	1.0							
Dibromomethane	ND	µg/L	1.0							
,2-Dichlorobenzene	ND	µg/L	1.0	-						
,3-Dichlorobenzene	ND	µg/L	1.0							
,4-Dichlorobenzene	ND	µg/L	1.0							
Dichlorodifluoromethane	ND	µg/L	1.0							
.1-Dichloroethane	ND	µg/L	1.0							
,1-Dichloroethene	ND	µg/L	1.0							
,2-Dichloropropane	ND	µg/L	1.0							
,3-Dichloropropane	ND	µg/L	1.0							
2-Dichloropropane	ND	µg/L	2.0							
,1-Dichloropropene	ND	µg/L	1.0							
lexachlorobutadiene	ND	µg/L	1.0							
-Hexanone	ND	µg/L	10							
sopropylbenzene	ND	µg/L	1.0							
-isopropyltoluene	ND	µg/L	1.0							
-Methyl-2-pentanone	ND	µg/L	10		·					
Aethylene Chloride	ND	µg/L	3.0							
-Butylbenzene	ND	µg/L	1.0	4						
-Propyibenzene	ND	µg/L	1.0							
ec-Butylbenzene	ND	µg/L	1.0							
			1.0							
tyrene	ND	µg/L	1.0							
ert-Butylbenzene	ND	µg/L								
,1,1,2-Tetrachloroethane	ND	µg/L	1.0							
1,2,2-Tetrachloroethane	ND	µg/L								
etrachloroethene (PCE)	ND	µg/L	1.0							
ans-1,2-DCE	ND	µg/L	1.0							
ans-1,3-Dichloropropene	ND	µg/L	1.0							
2,3-Trichlorobenzene	ND	µg/L	1.0							
2,4-Trichlorobenzene	ND	µg/L	1.0 1.0							
1,1-Trichloroethane	ND	µg/L								
1,2-Trichloroethane	ND	µg/L	1.0							
richloroethene (TCE)	ND	µg/L	1.0							
richlorofluoromethane	ND	µg/L	1.0							
2,3-Trichloropropane	ND	µg/L	2.0							
inyl chloride	ND	µg/L.	1.0							
ylenes, Total	ND	µg/L	1.5					Date:	4/21/2010 11	

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

- J Analyte detected below quantitation limits
- Not Detected at the Reporting Limit ND

Non-Chlorinated

Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits

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- 4	L .	1	
	_	-	

H

NC

R

Hall Environmental Analysis Laboratory, Inc.

Animas Environmental Services

Client:

Project: Sammons #	2 Pipeline S	pill					1.11		Work	Order:	1004456	
Analyte	Result ·	Units	PQL	SPK Va S	SPK ref	%Rec L	owLimit Hi	ghLimit	%RPD	RPDLimit	Qual	
Method: EPA Method 8260B:	VOLATILES	•										
Sample ID: 100ng Ics		LCS				Batch ID:	R38318	Analysi	s Date:	4/21/2010 1	1:38:36 AN	
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 Ics		LCS				Batch ID:	R38343	Analysi	s 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				

QA/QC SUMMARY REPORT

Date: 26-Apr-10

San	nple Receipt Ch	necklist		
Client Name ANIMAS ENVIRONMENTAL	See Se	Date Receiv	4/21/2010	
Work Order Number 1004456		Received Sample ID	by: TLS blabels checked by:	×
Checklist completed by:	4 21 Date	10	-	Initiats
Matrix: Carrier na	ime: <u>Greyhound</u>			
Shipping container/cooler in good condition?	Yes 🗹	No 🗆	Not Present	
Custody seals intact on shipping container/cooler?	Yes 🗹	No 🗆	Not Present	Not Shipped
Custody seals intact on sample bottles?	Yes \Box	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
Water - VOA vials have zero headspace? No VOA vials	_	Yes 🗹	No 🗆	bottles checked for pH:
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
Container/Temp Blank temperature?	2.3°	<6° C Accepta	able nt time to cool.	below.
COMMENTS:				
	=====		======	=====
Client contacted Date contacted:		Per	rson contacted	Statistics.
Contacted by: Regarding:				
Comments:				1200
Corrective Action				
			1,1-	

Client: Animas Environmental Services Mailing Address: 624 E. Comanche		Turn-Around Time: A Standard Rush Project Name: <u>Sammons #Z Pipeline Spill</u> Project #: <u>AES 091204</u>				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request														
email o	r Fax#: Package: dard	505-	□ Level 4 (Full Validation)	Project Mana	Ross		TMB's (8021)	I (Gas only)	(Gas/Diesel)			A	maly		PCB's	uest		List)	DHO	
Date	AP	Other Matrix	Sample Request ID	Sampler: A Sample team Container Type and #	Jathan Loxes Perame Preservative Type	Uillis 200 HEALIO 10044-54	BTEX + MTBE + TME	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	WN O	8015 (6901	
1-2 <u>0-10</u> 1-2 <u>0-10</u>	1156 1239 1239	H20 H20 H20	MW-1 MW-2 Field Blanks	6-40ml glass	5- HCI 1- Jun 5- HCI 1- Nen 2- HCI	 		B.	F	F		83	R	Ar	80	82	82	XXX	XX	
1	1313 1348 1419	H20 H20 H20	MW-3 MW-4 MW-5	2-40nlopes		4												XXX	X	
4-20-10	1450	HzO HzO	MW-G Trip Blank	2	1	6 7 8												X X X	× <	
Date:	Time:	Palinguist											•							
1-20-10 Date:	1611	Relinquisher	th/m:	Received by:	4/21/10	Date Time 930 Date Time	Ren	nark	s:							•				

a necessary, samples submitted to Hair 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.
