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Groundwater Investigation Report

Enterprise Products Company Lateral 6C September 2011 Pipeline Release NE¼ SW¼ Section 26, T28N, R11W San Juan County, New Mexico

October 31, 2012

Prepared on behalf of: Enterprise Products Company 614 Reilly Avenue Farmington, NM 87401

Prepared by:

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1.0 Introduction

Animas Environmental Services, LLC (AES), on behalf of Enterprise Products Company, Inc. (Enterprise), has prepared this Groundwater Investigation Report for the Lateral 6Cpipeline release that was discovered in September 2011. This investigation was conducted in accordance with the work plan prepared by AES and entitled *Groundwater Investigation Work Plan for the Lateral 6C September 2011 Pipeline Release*, dated August 3, 2012, and submitted to Enterprise and New Mexico Oil Conservation Division (NMOCD). Note that details of the initial release assessment and investigation were submitted in the AES *Soil and Groundwater Sampling Results Letter Report* dated October 28, 2011, and *Site Investigation Report* dated February 20, 2012.

1.1 Site Location and NMOCD Ranking

The release area is located on Federal land under jurisdiction of the Bureau of Land Management (BLM) within the NE¼ SW¼, Section 26, T28N, R11W, San Juan County, New Mexico. Latitude and longitude of the release were recorded as N36.63202 and W107.97400, respectively. The release location is within the floodplain of Kutz Wash, which is located 165 feet to the northeast. Kutz Wash flows north and ultimately discharges into the San Juan River. Based on measurements from the site investigation, depth to groundwater is approximately 14 to 16 feet below ground surface (bgs). A topographic site location map is included as Figure 1, and an aerial map showing the release location is included as Figure 2.

In accordance with NMOCD release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the initial assessment. The ranking score was obtained in part by reviewing available records of nearby oil/gas wells using the NMOCD online database; however, no records were found to aid in the assessment. Additionally, the New Mexico Office of the State Engineer (NMOSE) database was reviewed for the presence of nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (http://ford.nmt.edu/react/pitrules_index.html) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel confirmed that depth to groundwater at the site was less than 50 feet below ground surface (bgs). Kutz Wash is located approximately 165 feet northeast of the release location. Based on this information, the release location was assessed a ranking score of 30.

1.2 Initial Release Assessment and Investigation

AES personnel met with Enterprise representatives at the release location on September 22, 2011. Due to the apparent size of the release, AES suggested that Enterprise repair the line and then contact AES when excavation of contaminant impacted soil could be completed. Following the repair, on September 23, 2011, AES collected one soil sample from the base of the small repair excavation at 6 feet below ground surface (bgs). The sample was field screened for volatile organic compounds (VOCs) with a photo-ionization detector (PID) organic vapor meter (OVM). Based on the field screening reading of 3,974 parts per million (ppm) and the anticipated shallow depth of groundwater, AES and Enterprise determined that a limited investigation of the release extent would be appropriate prior to implementing further contaminant mitigation measures.

1.2.1 Release Assessment, October 2011

On October 11, 2011, AES completed four test hole excavations (TP-1 through TP-4) around the original release location and at distances of up to 100 feet from the release point. AES recorded the encountered soil materials, collected field screening samples and soil samples for laboratory analysis from each test hole, and collected groundwater samples from two of the test holes. Six soil samples were collected from TP-1 through TP-4. One sample was collected at 10 feet bgs from both TP-1 and TP-3. Two samples were collected from TP-2 and TP-4 at 12 feet and 15 feet bgs.

Soil concentrations for total benzene, toluene, ethylbenzene, and xylene (BTEX) and total petroleum hydrocarbons (TPH) for gasoline range organics (GRO) in sample TP-1 @ 10 feet exceeded the applicable New Mexico Oil Conservation Division (NMOCD) action levels with 169 mg/kg total BTEX and 1,429 mg/kg TPH. Benzene, total BTEX, TPH-GRO, and TPH for diesel range organics (DRO) concentrations in sample TP-2 @ 15 feet also exceeded the applicable NMOCD action levels with 45 mg/kg benzene, 513 mg/kg total BTEX, and 5,170 mg/kg TPH. Although some elevated OVM field screening values were recorded, BTEX and TPH concentrations in the remaining soil samples were either below laboratory detection limits or below applicable NMOCD action levels. Laboratory results were summarized in Table 1 of the AES letter report entitled *Soil and Groundwater Sampling Results* and dated October 28, 2011.

Groundwater samples were collected for laboratory analysis from TP-2 and TP-4. During sample collection, a sheen of condensate was observed in TP-2. Dissolved phase benzene, toluene, and xylene concentrations were reported above the New Mexico Water Quality Control Commission (WQCC) standards in TP-2, with 9,800 μ g/L benzene, 15,000 μ g/L toluene, and 6,700 μ g/L xylene. Detailed laboratory results were summarized in Table 2 of the AES letter report entitled *Soil and Groundwater Sampling Results* and dated October 28, 2011.

Based on field screening and laboratory analytical results, AES recommended that Enterprise conduct further delineation of the soil and groundwater contamination in order to determine the most effective mitigation of the release.

1.2.2 Site Investigation, November 2011

On November 30, 2011, AES completed an additional site investigation with the purpose of delineating the full extent of petroleum hydrocarbon impact on subsurface soils and groundwater resulting from the release. The investigation included the installation of eight soil borings and the collection of soil and groundwater samples in accordance with U.S. Environmental Protection Agency (USEPA) Environmental Response Team's Standard Operating Procedures (SOPs) and applicable American Society for Testing and Methods (ASTM) standards.

A total of eight soil borings (SB-1 through SB-8) were installed by AES on November 30, 2011. Soil samples showed that contaminant concentrations exceeded NMOCD action levels in borings SB-2, SB-7, and SB-8. The highest benzene and total BTEX concentrations were reported in SB-2, with 31 mg/kg benzene and 580 mg/kg total BTEX. The highest TPH concentration was also reported in SB-2 with 7,500 mg/kg.

Dissolved phase analytical results indicated groundwater was impacted above the WQCC standard in SB-2W (benzene, toluene, and xylene), SB-3W (benzene), and SB-7W (benzene and toluene). The highest concentrations for benzene, toluene, and xylenes were reported in SB-2W with 2,800 μ g/L benzene, 5,700 μ g/L toluene, and 4,000 μ g/L xylenes.

Based on the depth and lateral extent of contaminant impacted soil and groundwater, AES recommended installing up to five permanent groundwater monitor wells and collecting additional monitoring and sampling data from which a corrective action plan could be developed. A work plan for additional site investigation was submitted to NMOCD on August 3, 2012.

2.0 Groundwater Investigation – August and September 2012

On August 20 through September 7, 2012, AES completed a groundwater investigation in order to further delineate the extent of the dissolved phase hydrocarbon contaminants associated with the Lateral 6C pipeline release. During the site investigation, AES personnel installed nine monitor wells (MW-1 through MW-9). Work was completed in accordance with NMOCD guidelines, AES SOPs, USEPA Environmental Response Team's SOPs, and applicable ASTM standards.

2.1 Pre-Field Coordination and Job Safety Analysis

Prior to field work, AES utilized the New Mexico One-Call system to identify and mark all underground utilities at the site and submitted required 48 hour notifications to representatives of Enterprise, BLM, and NMOCD, in writing and by telephone. Additionally, AES prepared and implemented a comprehensive site-specific Job Safety Analysis (JSA) addressing the site investigation activities associated with monitoring well installation and soil and groundwater sampling. All employees were required to read and sign the JSA to acknowledge their understanding of the information contained within the JSA. The JSA was implemented and enforced on site by the assigned Site Safety and Health Officer.

2.2 Installation of Soil Borings

On August 20 through 23, 2012, AES installed nine soil borings within and adjacent to the September 2011 release area in order to delineate the extent of the groundwater hydrocarbon contamination. The soil borings were each advanced to a total depth of 25 feet bgs and completed as monitor wells (MW-1 through MW-9). The locations of monitor wells are presented on Figure 3.

2.2.1 Drilling Methods

Soil borings were advanced to a total depth of 25 feet bgs with a CME-75 truck mounted drill rig equipped with hollow stem augers and 4-inch outer diameter (OD) core barrel. The drill rig was operated by Kyvek Energy Services, Inc. of Aztec, New Mexico.

2.2.2 Soil Sample Collection

Soil samples were collected from continuously driven core-barrel samplers during advancement of the soil borings. At 5-foot intervals, a soil sample was collected from the core barrel sampler and transferred to appropriately labeled sample containers. The sample was split for field screening of VOCs with a PID-OVM and laboratory analysis. Two soil samples were collected from each soil boring for laboratory analysis.

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. Soil Boring Logs are included in Appendix A.

2.2.3 Soil Field Screening

Samples were collected at 5-foot intervals from each soil sampling location and field screened for VOCs utilizing a PID-OVM, which was calibrated to 100 ppm with isobutylene gas. Field screening followed AES SOPs and results were recorded onto Soil Borings Logs.

2.2.4 Soil Lithology

The local site lithology consists of alluvium and fluvial material from the adjacent Kutz Wash overlaying sandstone bedrock. Soil observed during investigation was brown to tan, fine to medium grained, silty to clayey sand, with some gravel at depths greater than 20 feet bgs. Moisture level increased with depth from dry to moist in the upper 10 feet to moist to wet down to contact with bedrock. Bedrock material was grey, fine grained, firm to moderately hard, wet sandstone.

2.3 Groundwater Monitor Well Installation

2.3.1 Groundwater Monitor Well Installation and Construction

Groundwater monitor wells were installed within all of the nine soil borings to a total depth of 23 to 25 feet bgs. Monitor well construction consisted of 2.375-inch outside diameter (OD) [2.067-inch inside diameter (ID)] Schedule 40 PVC screen and 2.0-inch blank riser casing. The screened interval extended 15 feet across the water table and was constructed of 2.375-inch OD PVC well screen (0.010-inch slot). Colorado silica sand (filter pack) was placed from total depth to approximately 2 feet above the top of the well screen. A 2 foot 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 up to within 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 schematics are presented on the Soil Boring Logs in Appendix A.

2.3.2 Groundwater Monitor Well Development

Following monitor well installation and completion, each well was developed in order to remove fine-grained sediments and to increase hydraulic conductivity through the well screen. Each well was developed by a combination of surging and bailing techniques. Groundwater purged from the wells was contained in labeled and sealed 55-gallon drums and transported to Envirotech Landfarm for proper disposal. Monitor wells were developed in accordance with AES SOPs. Disposal manifests and a groundwater monitor well development form are presented in Appendix B.

2.3.3 Professional 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 Enterprise personnel in order to accurately determine the local groundwater depth and flow direction beneath the site. Each well was tied to an existing USGS benchmark.

2.4 Groundwater Monitoring and Sampling

On September 7, 2012, nine monitor wells (MW-1 through MW-9) were gauged to determine water table elevation and direction of groundwater flow. The wells were purged of a minimum of three well volumes, and a groundwater sample was collected from each well with a new disposable bailer equipped with a low-flow release valve. Purging data, including pH, temperature, conductivity, oxidation-reduction potential, and dissolved oxygen, were measured with a YSI water quality meter and documented on water sample collection forms along with purged water volume and sample depth. All sampling equipment was thoroughly decontaminated between uses. Purged water was contained and labeled in a sealed 55-gallon drum and transported to the Envirotech Landfarm for proper disposal. Disposal documents for the purged water are included in Appendix B.

2.5 Soil and Groundwater Laboratory Analyses

All samples were submitted to Hall Environmental Analysis Laboratory (Hall), Albuquerque, New Mexico, for analysis of the following parameters:

BTEX per USEPA Method 8021.

Additionally, soil samples were analyzed for:

■ TPH – GRO/DRO per USEPA Method 8015B.

Once collected, all samples were preserved in laboratory-supplied containers and stored in an insulated cooler containing ice. Samples were shipped by Hall personnel in insulated coolers containing ice at less than 6°C via bus to the laboratory.

2.6 Soil Field Screening and Laboratory Analytical Results

During the August 2012 site investigation, field screening readings showed VOC concentrations ranging from 0.3 ppm in MW-9 at 5 feet bgs up to 219 ppm in MW-8 at 5 to 7 feet bgs. Soil laboratory analytical results for benzene, total BTEX and TPH were below laboratory detection limits in each sample. Tabulated field screening and laboratory analytical results are presented in Table 1. Soil laboratory analytical reports are provided in Appendix C.

2.7 Groundwater Field Measurements and Laboratory Analytical Results
The site investigation revealed a hydraulic gradient to the northwest at an incline of 0.008 foot/foot. Depth to water was gauged, and water quality measurements were recorded prior to sample collection. Depth to water ranged from 14.96 feet bgs in MW-8 to 19.35 feet bgs in MW-5, and groundwater elevations ranged from 5562.85 feet above mean sea level (amsl) in MW-8 to 5564.93 feet amsl in MW-9.

Temperature readings ranged from 14.89°C in MW-5 to 17.31°C in MW-1. Conductivity readings were between 4.068 mS in MW-8 and 5.706 mS in MW-3, and pH ranged from 7.02 in MW-1 to 7.59 in MW-7. Dissolved oxygen ranged from 1.03 mg/L in MW-2 to 2.24 mg/L in MW-3. Water quality measurements are tabulated in Table 2, groundwater elevation contours are presented on Figure 4, and water sample collection forms are included in Appendix D.

Groundwater laboratory analytical results showed that dissolved phase benzene concentrations were above WQCC standard of 10 μ g/L in MW-1 (2,200 μ g/L), MW-2 (270 μ g/L), MW-4 (18 μ g/L), and MW-8 (41 μ g/L). Dissolved phase toluene concentrations above the WQCC standard of 750 μ g/L were reported in MW-2 (1,100 μ g/L), and ethylbenzene concentrations were below the WQCC standard of 750 μ g/L in all wells. Dissolved phase xylene concentrations above the WQCC standard of 620 μ g/L in three wells, including MW-1 (650 μ g/L), MW-2 (1,800 μ g/L), and MW-6 (2,200 μ g/L). Tabulated groundwater analytical results are presented in Table 3 and on Figure 5. Dissolved phase benzene, toluene, and xylene concentration contours are presented on Figures 6 through 8, respectively. Groundwater laboratory analytical reports are presented in Appendix D.

3.0 Conclusions and Recommendations

AES completed an additional site investigation in August and September 2012. During the investigation, soil field screening of VOCs by OVM showed concentrations above the NMOCD action level of 100 ppm in MW-1 at 10 feet bgs (190 ppm), MW-2 at 5 feet bgs (108 ppm), MW-8 at 5 feet bgs (219 ppm), and MW-8 at 10 feet bgs (144 ppm). However, soil laboratory analytical results showed that petroleum hydrocarbon concentrations were not above NMOCD action levels in any of the soil borings. Site lithology was found to consist of alluvium and fluvial material from the adjacent Kutz Wash overlaying sandstone bedrock, and soils included brown to tan, fine to medium grained, silty to clayey sand, with some gravel at depths greater than 20 feet bgs. Bedrock material was grey, fine grained, firm to moderately hard, wet sandstone.

Hydraulic gradient was calculated to have a magnitude of 0.008 foot/foot in a northwest direction. Laboratory analytical results confirmed groundwater contaminant concentrations above the WQCC standard of 10 μ g/L for benzene in MW-1 (2,200 μ g/L), MW-2 (270 μ g/L), MW-4 (18 μ g/L), and MW-8 (41 μ g/L). Additionally, dissolved phase toluene above the WQCC standard of 750 μ g/L was reported in MW-2 with 1,100 μ g/L, and xylene above the WQCC standard of 620 μ g/L was reported in MW-1 (650 μ g/L), MW-2 (1,800 μ g/L), and MW-6 (2,200 μ g/L).

Based on laboratory analytical results from the August and September 2012 investigation, groundwater continues to be impacted above WQCC standards in the vicinity of the September 2011 release. Additionally, the lateral extent of the dissolved phase benzene has not been fully defined in the downgradient direction (near MW-8). Therefore, AES recommends installation of an additional monitor well northwest of MW-8. Additionally, this site may be appropriate for consideration of an application of an oxygen release compound to enhance bioremediation of residual contaminants. Details will be included within the corrective action plan, which will be submitted under separate cover.

4.0 Certification

I, the undersigned, am personally familiar with the information presented in this Site InvestigationReport, prepared on behalf of Enterprise Products Company, Inc. for the Lateral 6C September 2011 pipeline release. I attest that it is true and complete to the best of my knowledge.

Tami C. Ross, CHMM Project Manager

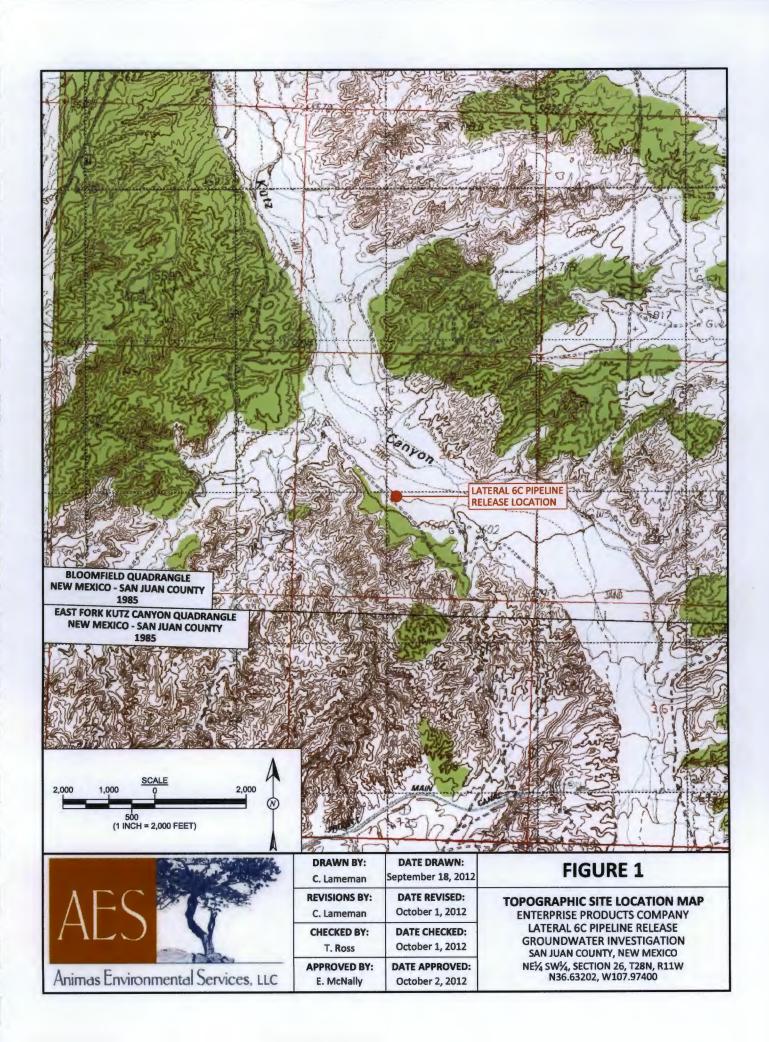
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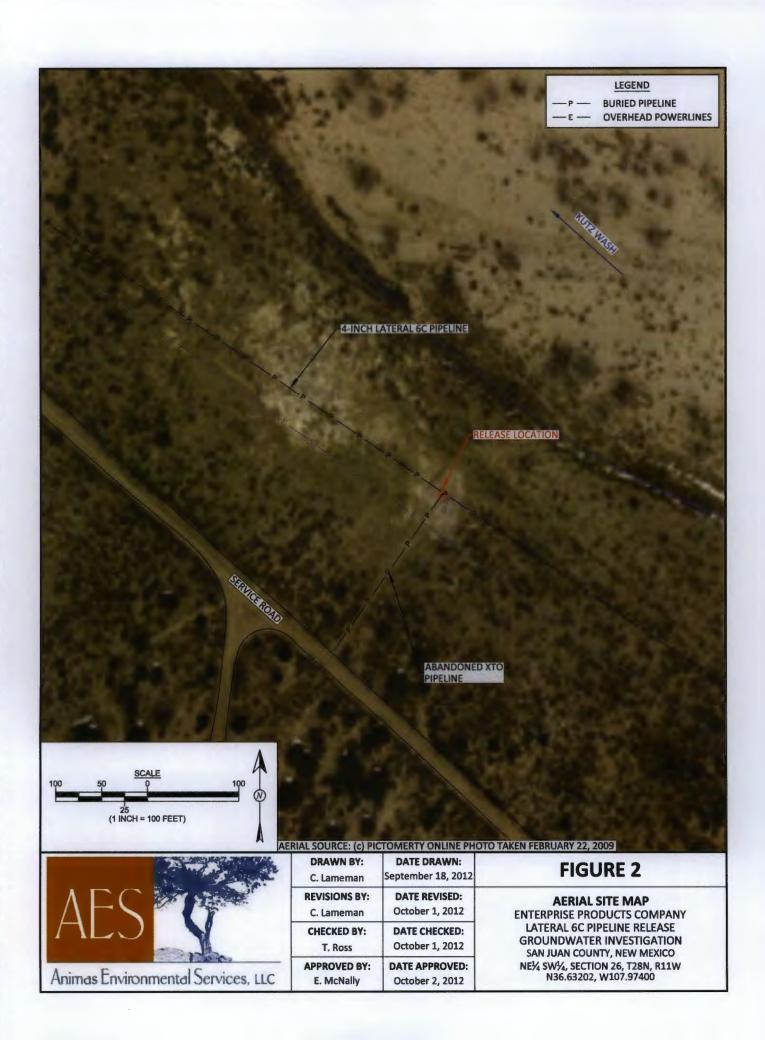
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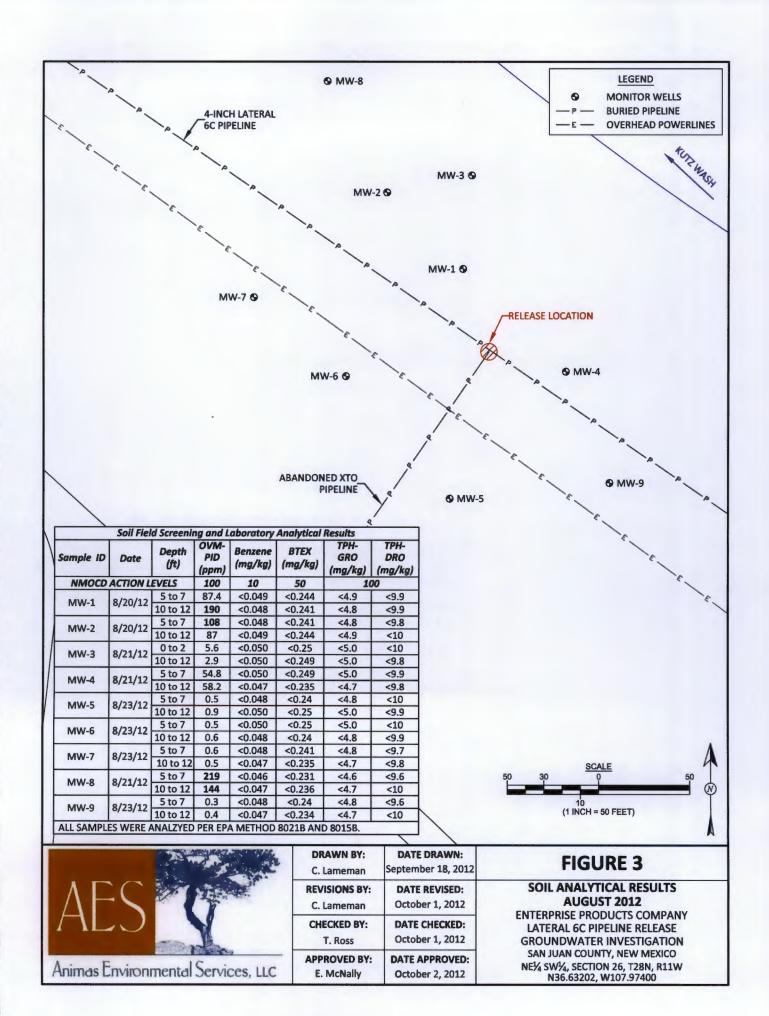
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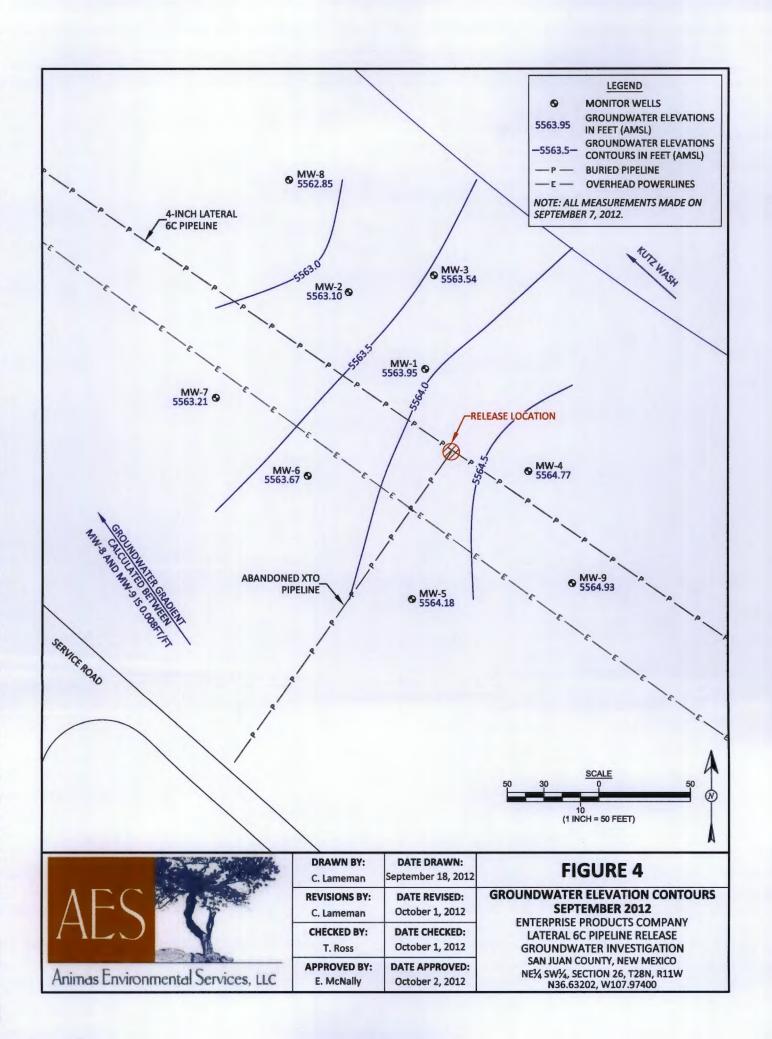
5.0 References

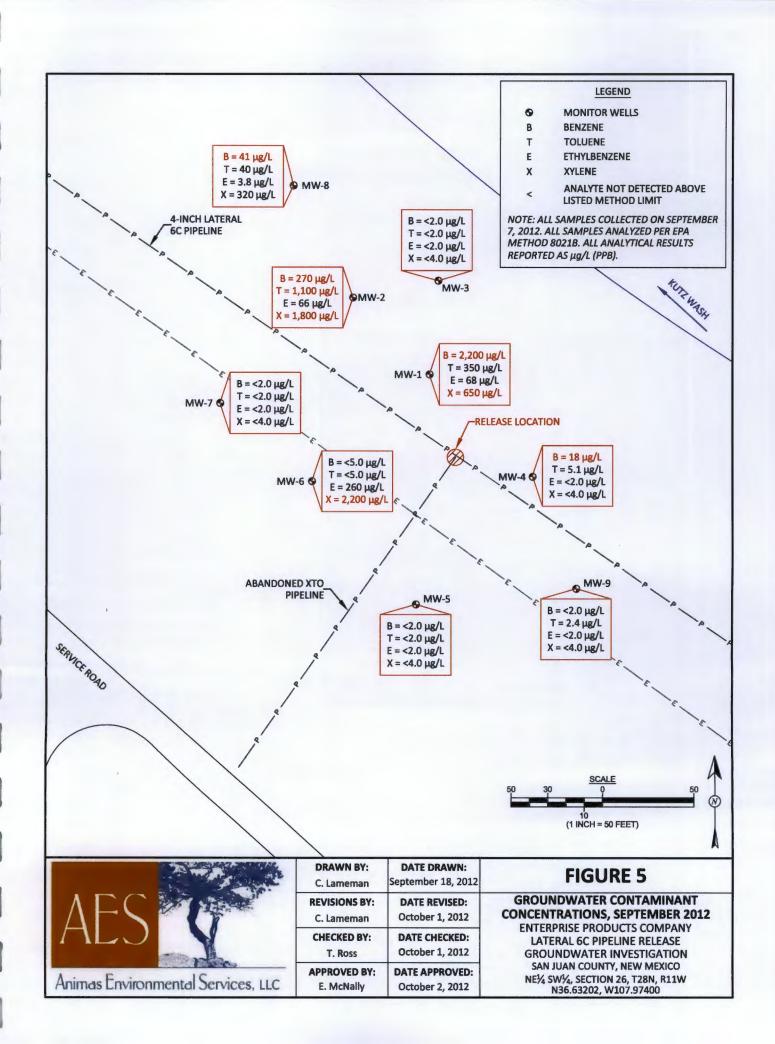
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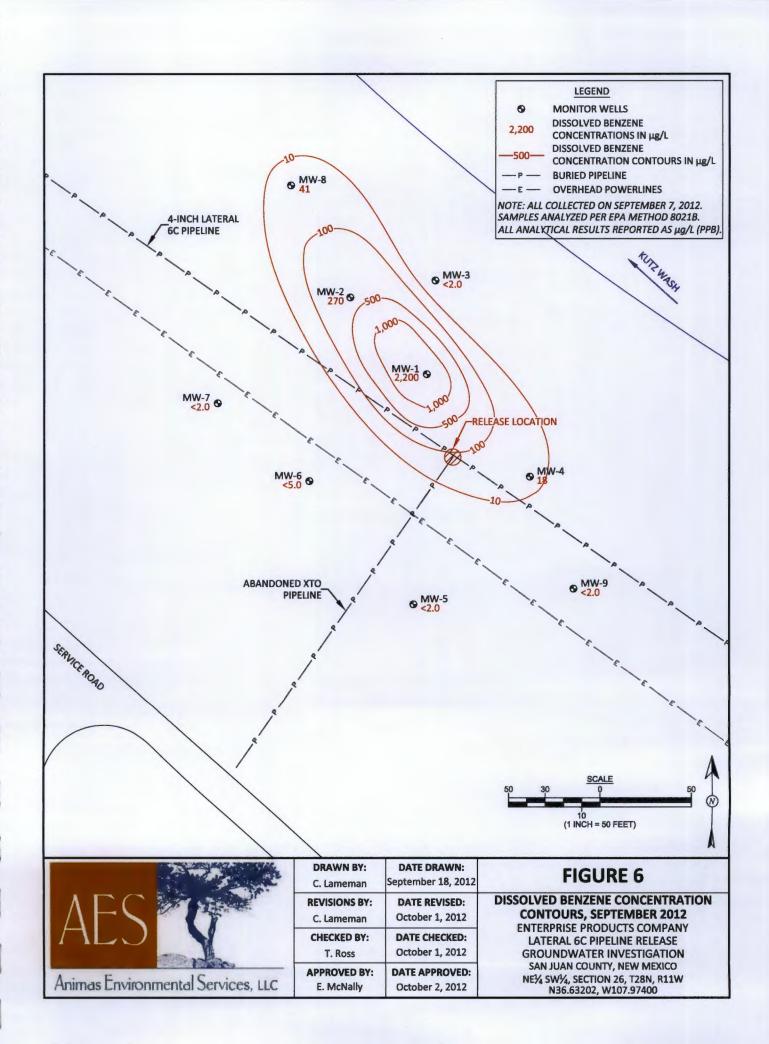


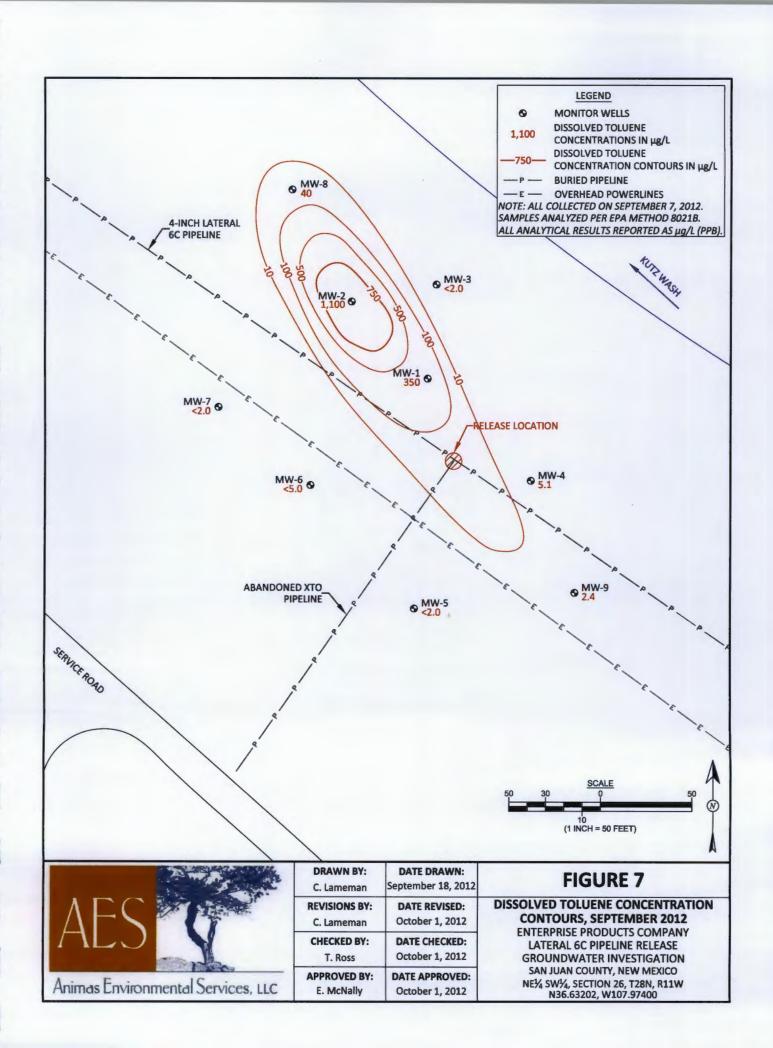












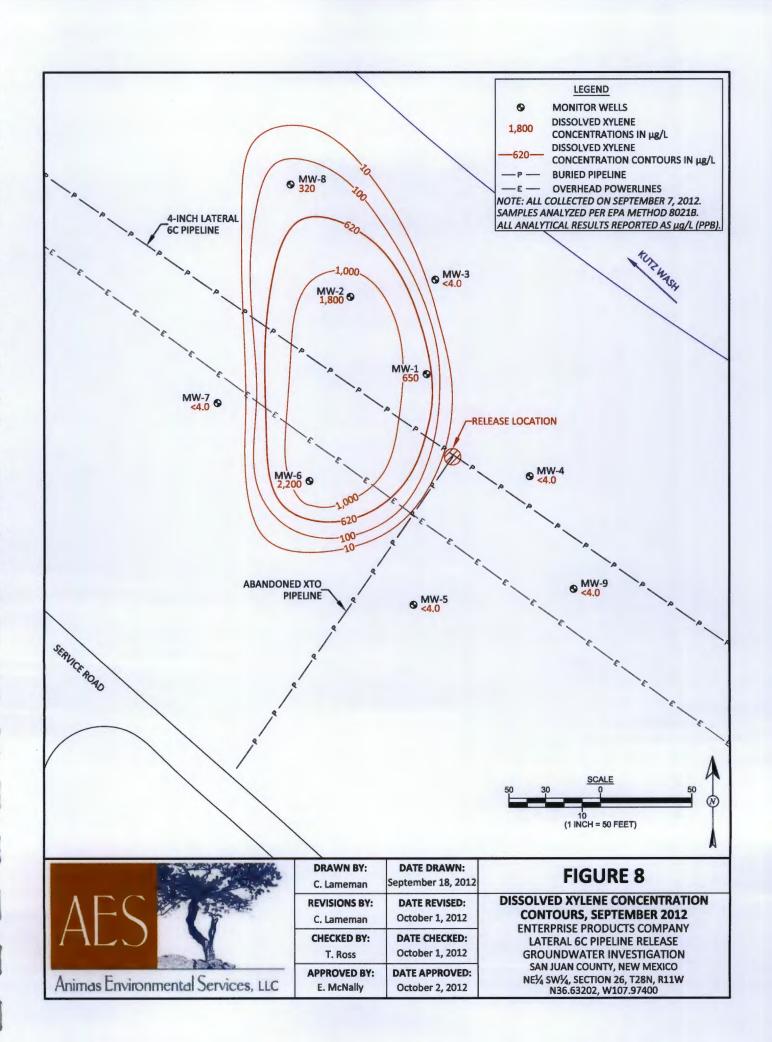


TABLE 1
SUMMARY OF SOIL FIELD-SCREENING AND LABORATORY ANALYTICAL RESULTS
Enterprise Products Company Lateral 6C Pipeline Release Groundwater Investigation
San Juan County, New Mexico

Sample ID	Date Sampled	Depth (ft)	OVM Reading	Benzene	Toluene	Ethyl- benzene	Xylene	ВТЕХ	GRO (C6-C10)	DRO (C10-C22)	TPH (GRO+DRO)
			(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	NMOCD Acti	on Level	100	10	NE	NE	NE	50	NE	NE	100
MW-1	20-Aug-12	5 to 7	87.4	<0.049	<0.049	<0.049	<0.097	<0.244	<4.9	<9.9	<14.8
10100-1	20-Aug-12	10 to 12	190	<0.048	<0.048	<0.048	<0.097	<0.241	<4.8	<9.9	<14.7
MW-2	20 Aug 12	5 to 7	108	<0.048	<0.048	<0.048	<0.097	<0.241	<4.8	<9.8	<14.6
IVIVV-Z	20-Aug-12	10 to 12	87.0	<0.049	<0.049	<0.049	<0.097	<0.244	<4.9	<10	<14.9
MW-3	21 Aug 12	0 to 2	5.6	<0.050	<0.050	<0.050	<0.10	<0.250	<5.0	<10	<15.0
IVIVV-3	21-Aug-12	10 to 12	2.9	<0.050	<0.050	<0.050	<0.099	<0.249	<5.0	<9.8	<14.8
MW-4	21-Aug-12	5 to 7	54.8	<0.050	<0.050	<0.050	<0.099	<0.249	<5.0	<9.9	<14.9
10100-4	21-Aug-12	10 to 12	58.2	<0.047	<0.047	<0.047	<0.094	<0.235	<4.7	<9.8	<14.5
MW-5	22 Aug 12	5 to 7	0.5	<0.048	<0.048	<0.048	18 <0.096 <0.240 <4.8 <10	<10	<14.8		
IVIVV-5	23-Aug-12	10 to 12	0.9	<0.050	<0.050	<0.050	<0.10	<0.250	<5.0	<9.9	<14.9
MW-6	22 Aug 12	5 to 7	0.5	<0.050	<0.050	<0.050	<0.10	<0.250	<5.0	<10	<15.0
IVIVV-6	23-Aug-12	10 to 12	0.6	<0.048	<0.048	<0.048	<0.096	<0.240	<4.8	<9.9	<14.7
MW-7	23-Aug-12	5 to 7	0.6	<0.048	<0.048	<0.048	<0.097	<0.241	<4.8	<9.7	<14.5
IVIVV-/	25-Aug-12	10 to 12	0.5	<0.047	<0.047	<0.047	<0.094	<0.235	<4.7	<9.8	<14.5
MW-8	21 Aug 12	5 to 7	219	<0.046	<0.046	<0.046	<0.093	<0.231	<4.6	<9.6	<14.2
IVIVV-8	21-Aug-12	10 to 12	144	<0.047	<0.047	<0.047	<0.095	<0.236	<4.7	<10	<14.7
BANA/ C	22 Aug 12	5 to 7	0.3	<0.048	<0.048	<0.048	<0.096	<0.240	<4.8	<9.6	<14.4
MW-9	23-Aug-12	10 to 12	0.4	<0.047	<0.047	<0.047	<0.093	<0.234	<4.7	<10	<14.7

NOTES NE = Not Established

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Enterprise Products Company Lateral 6C Pipeline Release Groundwater Investigation
San Juan County, New Mexico

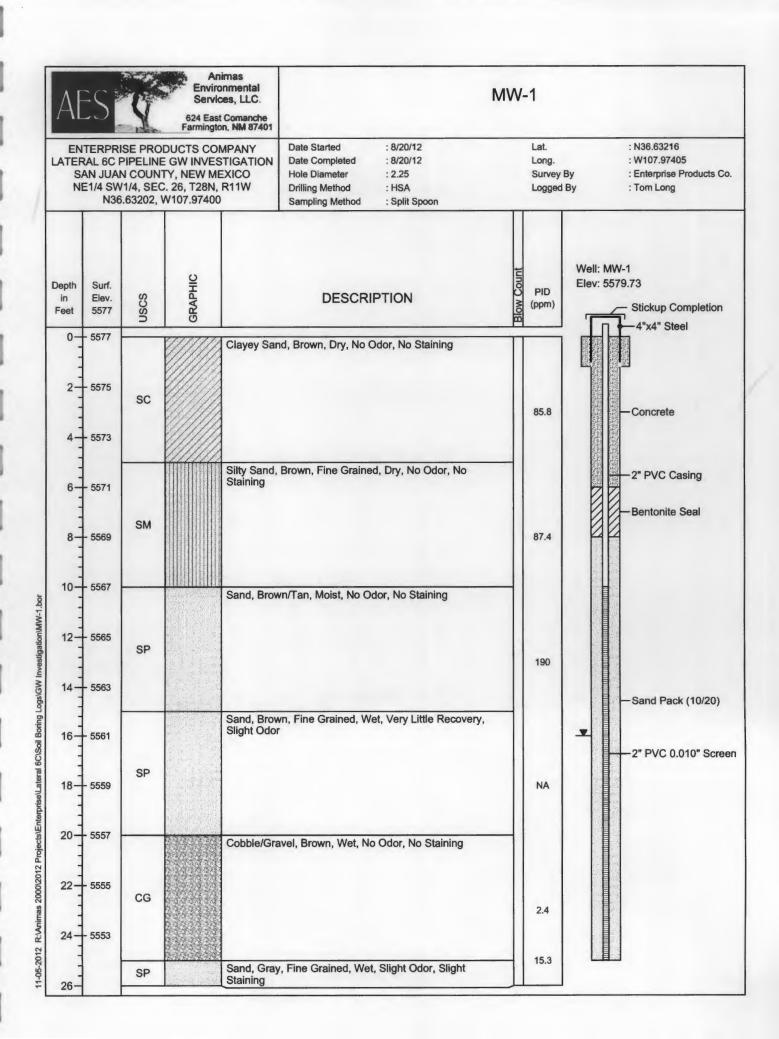
		Depth to Water	Surveyed	GW Elev.		Conductivity	Dissolved Oxygen	Temp.	Purge Volume
Well ID	Date	(ft below TOC)	TOC (ft)	(ft)	рН	(mS)	(mg/L)	(ºC)	(gallons)
MW-1	07-Sep-12	15.78	5579.73	5563.95	7.02	5.616	1.72	17.31	5.80
MW-2	07-Sep-12	16.29	5579.39	5563.10	7.31	4.234	1.03	16.67	4.90
MW-3	07-Sep-12	15.98	5579.52	5563.54	7.33	5.706	2.24	15.29	4.85
MW-4	07-Sep-12	15.59	5580.36	5564.77	7.30	5.564	1.46	15.77	4.35
MW-5	07-Sep-12	19.35	5583.53	5564.18	7.34	4.137	1.53	14.89	3.25
MW-6	07-Sep-12	18.55	5582.22	5563.67	7.38	4.833	1.24	15.43	3.35
MW-7	07-Sep-12	19.03	5582.24	5563.21	7.59	4.542	1.38	15.24	3.60
MW-8	07-Sep-12	14.96	5577.81	5562.85	7.57	4.068	1.30	16.16	5.00
MW-9	07-Sep-12	17.55	5582.48	5564.93	7.45	4.583	1.48	15.61	4.25

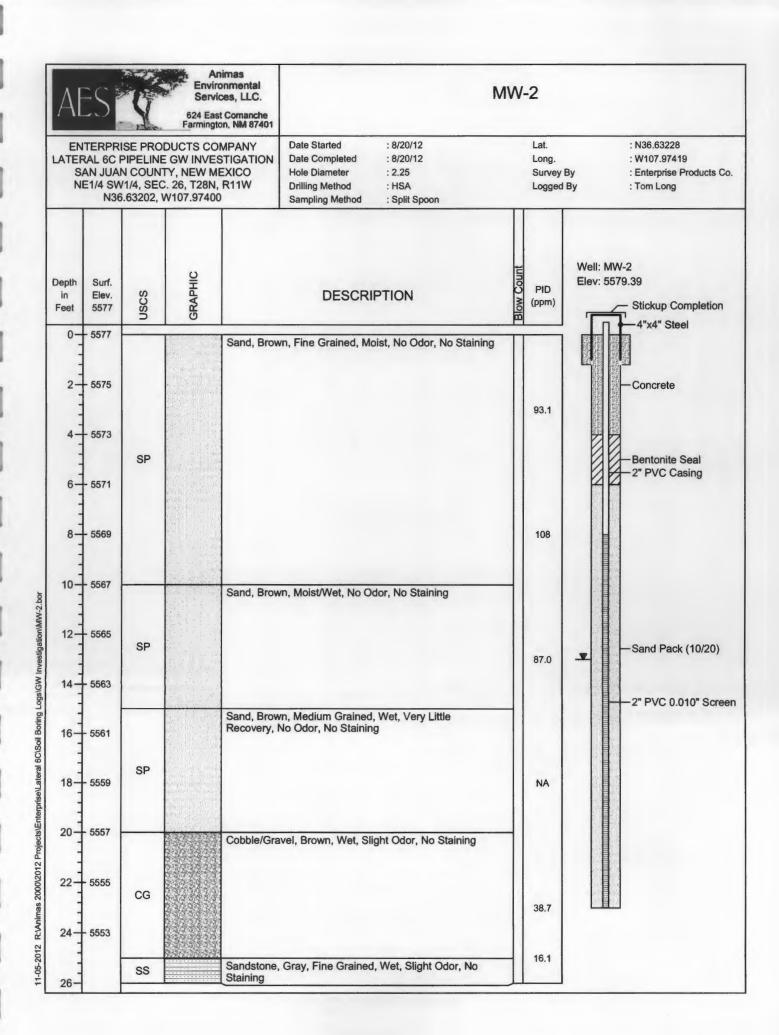
TABLE 3
SUMMARY OF GROUNDWATER LABORATORY ANALYTICALS RESULTS
Enterprise Products Company Lateral 6C Pipeline Release Groundwater Investigation
San Juan County, New Mexico

Well ID	Date Sampled	Benzene	Toluene	Ethyl- benzene	Xylenes						
		μg/L	μg/L	μg/L	μg/L						
Sa	mple Method		EPA Method 8021								
waa	C STANDARD	10	750	750	620						
MW-1	07-Sep-12	2,200	350	68	650						
MW-2	07-Sep-12	270	1,100	66	1,800						
MW-3	07-Sep-12	<2.0	<2.0	<2.0	<4.0						
MW-4	07-Sep-12	18	5.1	<2.0	<4.0						
MW-5	07-Sep-12	<2.0	<2.0	<2.0	<4.0						
MW-6	07-Sep-12	<5.0	<5.0	260	2,200						
MW-7	07-Sep-12	<2.0	<2.0	<2.0	<4.0						
MW-8	07-Sep-12	41	40	3.8	320						
MW-9			2.4	<2.0	<4.0						

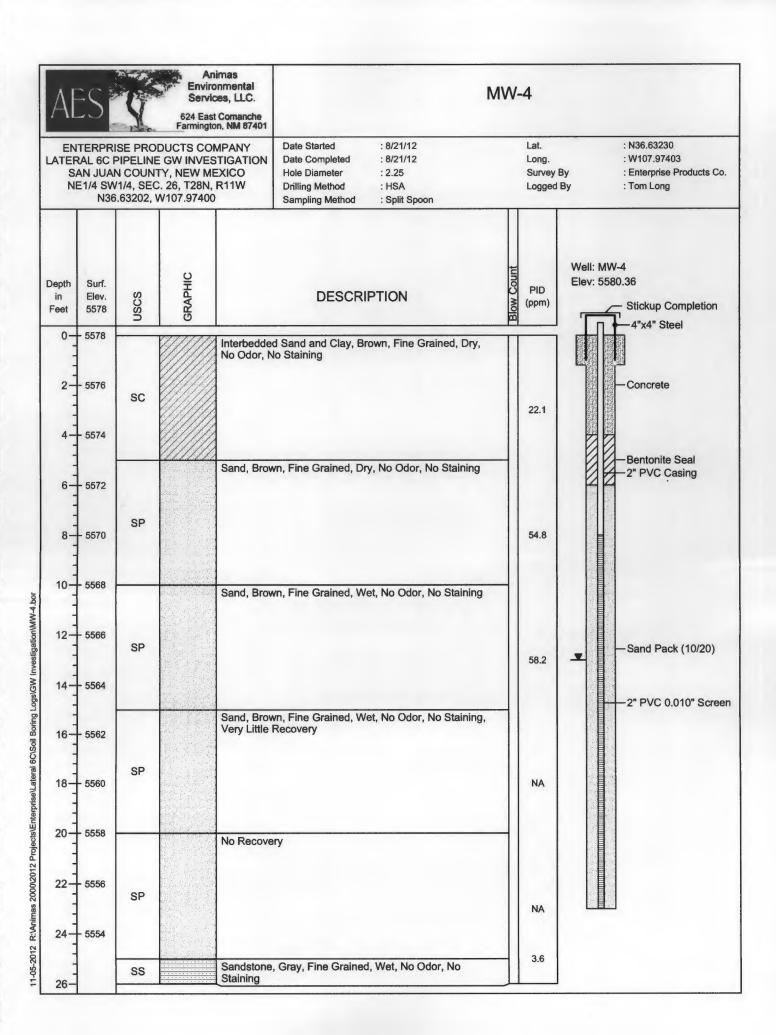
Notes:

Analyte not detected above listed method limiting μ g/L
Micrograms per liter (ppb)



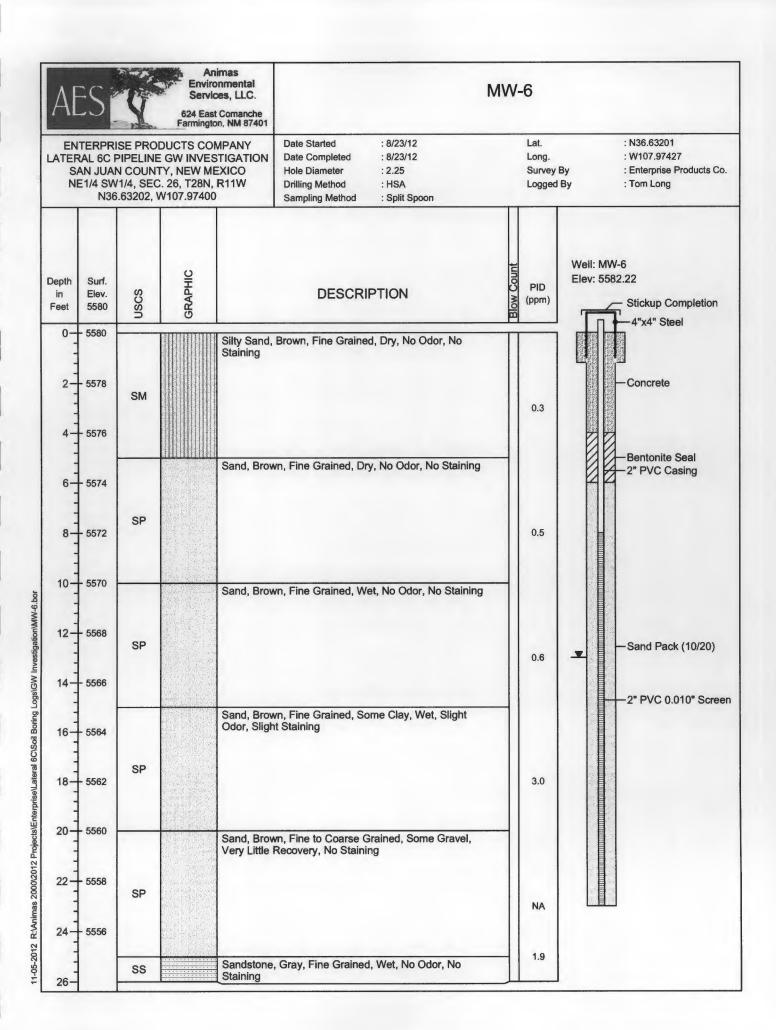


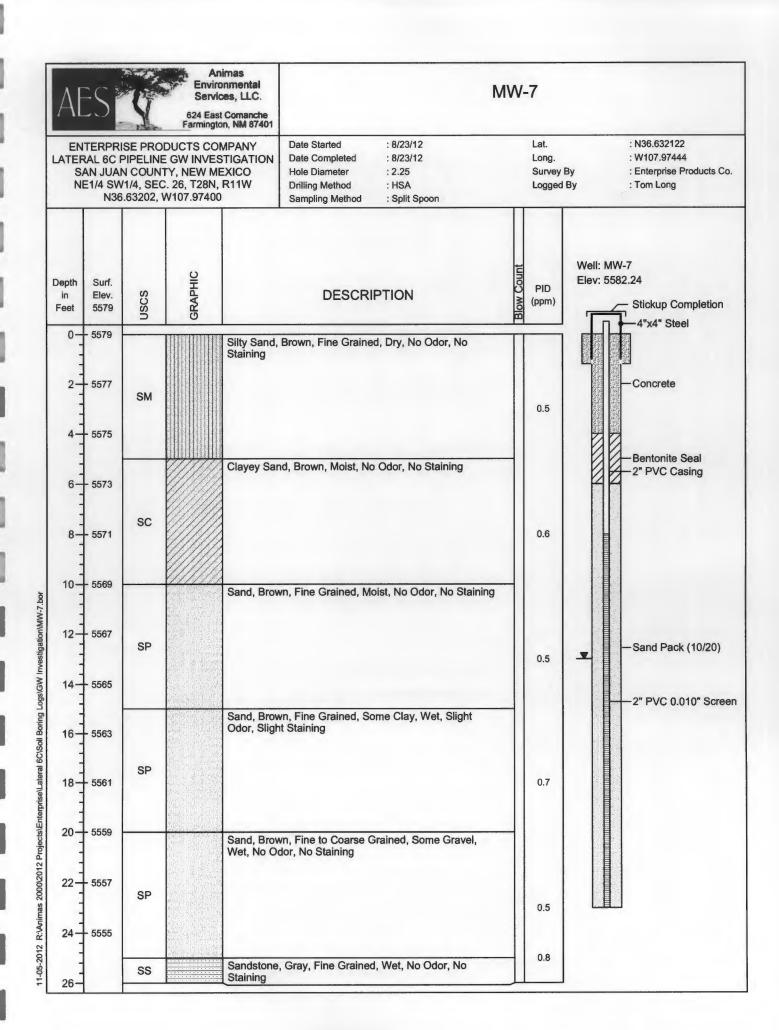
ΑE	ES	V	Environ Service 624 East	mas nmental es, LLC. Comanche n, NM 87401		MW-3								
LATER	RAL 6C F AN JUAN E1/4 SW	PIPELINI COUN 1/4, SEC	DUCTS COME GW INVESTY, NEW MEC. 26, T28N, FW 107.97400	TIGATION XICO	Date Started Date Completed Hole Diameter Drilling Method Sampling Method	: 8/21/12 : 8/21/12 : 2.25 : HSA : Split Spoon		Lat. Long. Survey Logged	-	: N36.63230 : W107.97403 : Enterprise Products Co : Tom Long				
Depth in Feet	Surf. Elev. 5577	nscs	GRAPHIC		DESCRI	PTION	Blow Count	PID (ppm)	Well: M Elev: 5					
0-	- 5577 - 5575			Sand, Brow	n, Fine Grained, Dr	y, No Odor, No Stair	ning			Concrete				
4-	- 5573	SP						5.6		Bentonite Seal				
6-8-	- 5571 - 5569							2.8						
10-	- 5567			Sand, Brow	n, Fine Grained, W	et, No Odor, No Stai	ning							
12-	- 5565	SP						2.9		—Sand Pack (10/20)				
14-	- 5563			Sand Cas	Fine to Madium C	rained Wat No Ode	r No			2" PVC 0.010" Scree				
16-	- 5561	ep.		Staining	, rine to Medium G	rained, Wet, No Odo	1, NO							
18-	- 5559	SP	и					0.8						
20-	- 5557			Sand, Gray No Odor, N	r, Fine to Coarse Gr lo Staining	ained, Some Gravel,	Wet,							
22-	- 5555	SP						2.1						
24-	- 5553													
=		SS		Sandstone Staining	, Gray, Fine Grained	I, Wet, No Odor, No		2.3						



ΑĒ	ES	T	Animas Environment Services, LL 624 East Coman Farmington, NM 8	5.	MW-5								
LATER	RAL 6C F AN JUAN E1/4 SW	PIPELINE N COUNT 1/4, SEC.	OUCTS COMPANY GW INVESTIGAT Y, NEW MEXICO . 26, T28N, R11W V107.97400		: 8/23/12 : 8/23/12 : 2.25 : HSA : Split Spoon	Lat. Long. Survey E Logged	•	ucts Co					
Depth in Feet	Surf. Elev. 5581	nscs	GRAPHIC	DESCR	RIPTION	Blow (bbm)		sup Completion					
2-	- 5581 - 5579	SC	Interb No Od	edded Sand and Clay, B lor, No Staining	Brown, Fine Grained, Dr	y, 0.4	-Concrete						
6-	- 5577 - 5575 - 5573	SC	Claye	y Sand, Brown, Fine Gra	ained, Dry, No Odor, No	0.5	Bentonite Seal 2" PVC Casing						
10	- 5571		Sand,	Brown, Fine Grained, V	Vet, No Odor, No Stainin	ng							
-	- 5569 - 5567	SP				0.9	—Sand Pack (10						
16	- 5565 - 5563	SC	Claye	y Sand, Brown, Fine Gra	ained, Wet, No Odor, No	0.7		2010					
20	- 5561		Sand, Grave	Brown, Fine to Coarse	Grained, Wet, Some								
22-	- 5559 - 5557	SP				0.6							
26-		SS	Sands Staini	tone, Gray, Fine Graine	d, Wet, No Odor, No	0.8							

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ΑĒ	ES	V	Animas Environme Services, L 624 East Com- Farmington, NN	ntal LC.			MW-	-8				
LATER	RAL 6C F AN JUAN E1/4 SW	PIPELINE N COUNT 1/4, SEC	DUCTS COMPAI GW INVESTIGA Y, NEW MEXICO 26, T28N, R11V V107.97400	ATION O	Date Started Date Completed Hole Diameter Drilling Method Sampling Method	: 8/21/12 : 8/21/12 : 2.25 : HSA : Split Spoon		Lat. Long. Survey Logged	-	: N36.63245 : W107.97430 : Enterprise Products Co : Tom Long		
Depth in Feet	Surf. Elev. 5576	nscs	GRAPHIC		DESCRI	PTION	PID (ppm)	Well: N	MW-8 5577.81 Stickup Completion			
0-	- 5576		San	nd, Brow	n, Fine Grained, Dr	y, No Odor, No Stainin	g			4"X4" Steel		
2	- 5574	SP						82.8		—Concrete		
4-	- 5572											
6	- 5570		San	nd, Brow	n, Fine Grained, Dr	y, No Odor, No Stainin	g			Bentonite Seal 2" PVC Casing		
8	- 5568	SP						219				
10	- 5566		San	nd, Brow	n, Fine Grained, We	et, Slight Odor, No						
12	- 5564	SP	Stai	ining				144		—Sand Pack (10/20)		
14	- 5562											
16	- 5560			nd, Gray Staining		ained, Wet, Slight Odd	or,			2" PVC 0.010" Scre		
18	- 5558	SP						147				
20	- 5556		San	d, Gray	, Fine to Medium Gr	ained, Some Gravel, V	Vet,					
22	- 5554	SP	Slig	m Odor,	No Staining			87.3				
24	- 5552											
26-		SS	San	dstone,	Gray, Fine Grained	, Wet, Slight Odor, No		16.9				

AE	ES	4	Enviror Service 624 East (mas nmental es, LLC. Comanche n, NM 87401			MW-	9		
LATER	RAL 6C F AN JUAN E1/4 SW	IPELINE I COUN 1/4, SEC	DUCTS COM E GW INVEST TY, NEW MEX C. 26, T28N, F W107.97400	TIGATION XICO	Date Started Date Completed Hole Diameter Drilling Method Sampling Method	: 8/23/12 : 8/23/12 : 2.25 : HSA : Split Spoon		Lat. Long. Survey I Logged		: N36.63185 : W107.97378 : Enterprise Products Co : Tom Long
Depth in Feet	Surf. Elev. 5580	nscs	GRAPHIC		DESCR	IPTION	Blow Count	PID (ppm)	Well: M Elev: 5	582.48 Stickup Completion
0-	- 5580			Sand, Brow	n, Fine Grained, D	ry, No Odor, No Stain	ning			← 4"x4" Steel
2-	- 5578	SP						0.3	1	Concrete
4-	- 5576									
6-	- 5574			Silty Sand, Staining	Brown, Fine Graine	ed, Dry, No Odor, No				Bentonite Seal 2" PVC Casing
8-	- 5572	SM						0.3	1.1	
10-	- 5570			Sand Brow	un Fine Grained M	oist, No Odor, No Sta	pining			
12-	- 5568	SP		Sand, Brow	ni, i ine Grameu, w	oist, 140 Odol, 140 Ste	aning	0.4		0.0
14-	- 5566									
16-	- 5564			Sand, Gray Staining	, Fine to Medium G	rained, Wet, No Odo	r, No			2" PVC 0.010" Scre
18-	- 5562	SP						0.2		
20	- 5560			Sand, Grav	, Some Gravel We	t, No Odor, No Staini	ing			
22	- 5558	SP		, oraș	, , , , , , , , , , , , , , , , , , , ,			0.4		
24-	- 5556							0.1		
1		SS		Sandstone Staining	, Gray, Fine Graine	d, Wet, No Odor, No				

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Bill of Lading

MANIFEST #

41957 1001 # 80r

DATE 8-21-12 PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added." THK# TIME DRIVER SIGNATURE 057 13:50 A TRANSPORTING COMPANY 12 Per 1580 COMPANY BBLS YDS Certification of above receival & placement લ GRID COMPLETE DESCRIPTION OF SHIPMENT MATERIAL DESTINATION **EMPLOYEE**: LANDFARM シーガイン ENKEPRISCANIMAS LFL POINT OF ORIGIN PAINT FILTER TEST 202 CHLORIDE TEST RESULTS: LOAD Ö

PHONE COMPANY CONTACT

NAME

Signatures required prior to distribution of the legal document.

TRANSPORTER CO.

White - Company Records, Yellow - Billing, Pink - Customer

SIGNATURE

DATE

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Bill of Lading

MANIFEST #

41995

JOB # 77007-0524 TIME DRIVER SIGNATURE Locham Twing TRANSPORTING COMPANY 487 TRK# Animos Enviormental 2 DATE 8-28-12 COMPANY NOTES BBLS PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 YDS Certification of above receival & placement GRID 3-5 COMPLETE DESCRIPTION OF SHIPMENT Gent Produce MATERIAL DESTINATION EMPLOYEE: LANDFARM 34 POINT OF ORIGIN PAINT FILTER TEST CHLORIDE TEST entaprise RESULTS: LOAD g 4

" certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Animos Environmental Envices LLC NAME Zachary Trusillo COMPANY CONTACT 1-50 5 - 564- 2281

Signatures required prior to distribution of the legal document.

PHONE 1-505-215-3689

SIGNATILIE ZOCHON Tum

DATE 8-28-12

White - Company Records, Yellow - Billing, Pink - Customer

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Bill of Lading

77077 10B# MANIFEST # DATE

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

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TRANSPORTING COMPANY	COMPANY TRK# TIME DRIVER SIGNATURE	minas 1 praticus										NOTES:		
	BBLS												<u> </u>	***************************************
	YDS			00440000000000000000000000000000000000							•		/	Ceynent
╘	GRID	4		THE THE PROPERTY OF THE PROPER	***************************************							1 1 1	Malle	ceival & pla
ION OF SHIPMEN	MATERIAL	Durda Hso										Ì	Manuel	Certification of above receival & placement
COMPLETE DESCRIPTION OF SHIPMENT	DESTINATION	BF										LANDFARM	EMPLOYEE:	Certific
COMF	POINT OF ORIGIN	Entagise loc	and the second s						,				CHLORIDE TEST	PAINT FILTER TEST
LOAD	ġ											RESULTS:		

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Ш	Ross
SOME	1300 / 13
かんごうなし	ある
TRANSPORTER CO.	COMPANY CONTACT

Signatures required prior to distribution of the legal document.

NAME

PHONE 505-504-2281

DATE 9-7-2012

SIGNATURE (

White - Company Records, Yellow - Billing, Pink - Customer

Animas Environmental Services DEPTH TO GROUNDWATER 624 E. Comanche, Farmington NM 87401 **MEASUREMENT FORM** Tel. (505) 564-2281 Fax (505) 324-2022 Well Development Project No.: Project: Date: 7 28 2012 Time: 1000 lateral loc Site: Location: 1L. \$2T Form: Tech: Depth to NAPL Depth to Water NAPL Well Time Notes / Observations Thickness (ft.) I.D. (ft.) (ft.) Tow 24.5 (30") MW-1 1057 15.70 NO PUCCAP No PUC CAP JULY TOW 25.99 16.25 MW-2 1059 15.84 MW-3 1043 NO PVO Pap TOW 25.44 MW-4 15.54 1026 NU IVC CAR TOW 25.72 (30) 1048 19.31 MW-5 No fue cap TOW 25.36 (301) 18.51 MW-6 1053 No AVE CAP TOW 26.15 MW-7 19.00 1033 14.89 NO PUC CAP TOW25.26 **8-WM** 1038 17.53 No PUC CAR TOW 2626 MW-9 1015

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

G	ROUNDWAT	ER MONITO	ORING WELL	
	DEVE	LOPMENT F	ORM	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022
Project:				Project No.:
Site:				Date:
Location:				Time:
Tech:		***************************************		Form:
Well	Depth to NAPL	Depth to	Purged Volume	1570-1400 Method / Notes / Observations
ID	(ft.)	Water (ft.)	(gal.)	method / Hotes / Observations
mwj		Q 16.25	23	1-10- Bockish odve 30-23- Fon Bu
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
MW-2		16 25	15 gai	5-10-Gamas Brown 713 iack 15-Clear 1608
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
W ell ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
Puged Wat	er Storage, Tra	nsport, and D	isposal Informa	ition:

		LOPMENT	FORM	624 E. Comanche, Farmington NM 87401 Tel. (505) 564-2281 Fax (505) 324-2022
Project: Site: Location Fech:	GMW Da Lateral	'bc		Project No.: Date: 2-22 20/2 Time: /0.20 Form:
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
9	Man wi	1753	17 gal.	1.5 gal - Sit drown grayish water 7000 5-10 g.c. 11 lite prown 15-17 get lite tan 17 gal clera 2626
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	バルゼラー Method / Notes / Observations
4		15,54		1-5 321-Bown bases 15-24 Depth to 25-44 3-19 920 Brown gray water 19-290 batel 6 48 PH 23 15-21 600//Brown 15-20 32,7 6077 -4.2 220
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
7		19.00	19 gul.	5-10 gal gray H20 . Struk" oder; 5.1+ 10-15. +m colore 15-19- Cleur Azo
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	/ 3cを Method / Notes / Observations
8		14.89	20 721.	13-15- Januar Gent 20-3-1100 Clear
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
3		15.84	17	1-17-5.1+ brown Aru 17-18 tan clear Aru
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gai.)	Method / Notes / Observations
6		18.51	15 9×1	5-10-921000 Black 15-9-110165
Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
5		19.31	10 921	5-auton 13cmn 10 Janian - Clean 1511



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 29, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072

FAX

RE: Enterprise Lateral 6C OrderNo.: 1208975

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 10 sample(s) on 8/22/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

Lab ID: 1208975-001 Client Sample ID: MW-1 5-7'

Collection Date: 8/20/2012 1:01:00 PM

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/24/2012 9:48:34 AM
Surr: DNOP	106	77.6-140	%REC	1	8/24/2012 9:48:34 AM
EPA METHOD 8015B: GASOLINE R.	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/24/2012 2:55:14 AM
Surr: BFB	98.3	84-116	%REC	1	8/24/2012 2:55:14 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	8/24/2012 2:55:14 AM
Toluene	ND	0.049	mg/Kg	1	8/24/2012 2:55:14 AM
Ethylbenzene	ND	0.049	mg/Kg	1	8/24/2012 2:55:14 AM
Xylenes, Total	ND	0.097	mg/Kg	1	8/24/2012 2:55:14 AM
Surr: 4-Bromofluorobenzene	100	80-120	%REC	1	8/24/2012 2:55:14 AM

Matrix: SOIL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- RLReporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 1 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

Lab ID: 1208975-002

Client Sample ID: MW-1 10-12'

Collection Date: 8/20/2012 1:05:00 PM

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/24/2012 10:13:40 AM
Surr: DNOP	108	77.6-140	%REC	1	8/24/2012 10:13:40 AM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/24/2012 3:44:29 PM
Surr: BFB	97.5	84-116	%REC	1	8/24/2012 3:44:29 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	8/24/2012 3:44:29 PM
Toluene	ND	0.048	mg/Kg	1	8/24/2012 3:44:29 PM
Ethylbenzene	ND	0.048	mg/Kg	1	8/24/2012 3:44:29 PM
Xylenes, Total	ND	0.097	mg/Kg	1	8/24/2012 3:44:29 PM
Surr: 4-Bromofluorobenzene	99.2	80-120	%REC	1	8/24/2012 3:44:29 PM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits Page 2 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

1208975-003 Lab ID:

Client Sample ID: MW-2 5-7'

Collection Date: 8/20/2012 2:34:00 PM

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/24/2012 10:38:51 AM
Surr: DNOP	110	77.6-140	%REC	1	8/24/2012 10:38:51 AM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/24/2012 4:13:17 PM
Surr: BFB	98.7	84-116	%REC	1	8/24/2012 4:13:17 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	8/24/2012 4:13:17 PM
Toluene	ND	0.048	mg/Kg	1	8/24/2012 4:13:17 PM
Ethylbenzene	ND	0.048	mg/Kg	1	8/24/2012 4:13:17 PM
Xylenes, Total	ND	0.097	mg/Kg	1	8/24/2012 4:13:17 PM
Surr: 4-Bromofluorobenzene	99.6	80-120	%REC	1	8/24/2012 4:13:17 PM

Matrix: SOIL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- RLReporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- Analyte detected below quantitation limits J
- RPD outside accepted recovery limits
 - Spike Recovery outside accepted recovery limits
 Page 3 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

Lab ID: 1208975-004

Client Sample ID: MW-2 10-12'

Collection Date: 8/20/2012 2:40:00 PM **Received Date:** 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/24/2012 11:03:47 AM
Surr: DNOP	107	77.6-140	%REC	1	8/24/2012 11:03:47 AM
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/24/2012 4:42:02 PM
Surr: BFB	98.3	84-116	%REC	1	8/24/2012 4:42:02 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	8/24/2012 4:42:02 PM
Toluene	ND	0.049	mg/Kg	1	8/24/2012 4:42:02 PM
Ethylbenzene	ND	0.049	mg/Kg	1	8/24/2012 4:42:02 PM
Xylenes, Total	ND	0.097	mg/Kg	1	8/24/2012 4:42:02 PM
Surr: 4-Bromofluorobenzene	99.0	80-120	%REC	1	8/24/2012 4:42:02 PM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
 Page 4 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

1208975-005 Lab ID:

Client Sample ID: MW-8 5-7'

Collection Date: 8/21/2012 8:40:00 AM

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	8/24/2012 11:28:53 AM
Surr: DNOP	109	77.6-140	%REC	1	8/24/2012 11:28:53 AM
EPA METHOD 8015B: GASOLINE R.	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	8/24/2012 5:10:45 PM
Surr: BFB	98.4	84-116	%REC	1	8/24/2012 5:10:45 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.046	mg/Kg	1	8/24/2012 5:10:45 PM
Toluene	ND	0.046	mg/Kg	1	8/24/2012 5:10:45 PM
Ethylbenzene	ND	0.046	mg/Kg	1	8/24/2012 5:10:45 PM
Xylenes, Total	ND	0.093	mg/Kg	1	8/24/2012 5:10:45 PM
Surr: 4-Bromofluorobenzene	99.0	80-120	%REC	1	8/24/2012 5:10:45 PM

Matrix: SOIL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RLReporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
 - Spike Recovery outside accepted recovery limits Page 5 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-8 10-12'

Project: Enterprise Lateral 6C Collection Date: 8/21/2012 8:43:00 AM

1208975-006 Lab ID:

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/24/2012 11:54:14 AM
Surr: DNOP	107	77.6-140	%REC	1	8/24/2012 11:54:14 AM
EPA METHOD 8015B: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/24/2012 5:39:30 PM
Surr: BFB	98.6	84-116	%REC	1	8/24/2012 5:39:30 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.047	mg/Kg	1	8/24/2012 5:39:30 PM
Toluene	ND	0.047	mg/Kg	1	8/24/2012 5:39:30 PM
Ethylbenzene	ND	0.047	mg/Kg	1	8/24/2012 5:39:30 PM
Xylenes, Total	ND	0.095	mg/Kg	1	8/24/2012 5:39:30 PM
Surr: 4-Bromofluorobenzene	99.7	80-120	%REC	1	8/24/2012 5:39:30 PM

Matrix: SOIL

Qualifiers:

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RLReporting Detection Limit
- Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- Analyte detected below quantitation limits J
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 6 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Enterprise Lateral 6C Project:

1208975-007 Lab ID:

Client Sample ID: MW-3 0-2'

Collection Date: 8/21/2012 10:18:00 AM

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/24/2012 12:19:51 PM
Surr: DNOP	107	77.6-140	%REC	1	8/24/2012 12:19:51 PM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/24/2012 6:08:19 PM
Surr: BFB	98.5	84-116	%REC	1	8/24/2012 6:08:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	8/24/2012 6:08:19 PM
Toluene	ND	0.050	mg/Kg	1	8/24/2012 6:08:19 PM
Ethylbenzene	ND	0.050	mg/Kg	1	8/24/2012 6:08:19 PM
Xylenes, Total	ND	0.10	mg/Kg	1	8/24/2012 6:08:19 PM
Surr: 4-Bromofluorobenzene	99.9	80-120	%REC	1	8/24/2012 6:08:19 PM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Reporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 7 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3 10-12'

Enterprise Lateral 6C Project:

Collection Date: 8/21/2012 10:25:00 AM

Lab ID: 1208975-008

Received Date: 8/22/2012 10:00:00 AM Matrix: SOIL

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	SE ORGANICS			·	Analyst: JMP
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	8/24/2012 12:45:11 PM
Surr: DNOP	105	77.6-140	%REC	1	8/24/2012 12:45:11 PM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/24/2012 1:29:00 AM
Surr: BFB	97.3	84-116	%REC	1	8/24/2012 1:29:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	8/24/2012 1:29:00 AM
Toluene	ND	0.050	mg/Kg	1	8/24/2012 1;29:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	8/24/2012 1:29:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	8/24/2012 1:29:00 AM
Surr: 4-Bromofluorobenzene	98.7	80-120	%REC	1	8/24/2012 1:29:00 AM

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Reporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 8 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

Lab ID: 1208975-009 Client Sample ID: MW-4 5-7'

Collection Date: 8/21/2012 12:25:00 PM

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/24/2012 1:35:56 PM
Surr: DNOP	104	77.6-140	%REC	1	8/24/2012 1:35:56 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/24/2012 1:57:46 AM
Surr: BFB	98.2	84-116	%REC	1	8/24/2012 1:57:46 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	8/24/2012 1:57:46 AM
Toluene	ND	0.050	mg/Kg	1	8/24/2012 1:57:46 AM
Ethylbenzene	ND	0.050	mg/Kg	1	8/24/2012 1:57:46 AM
Xylenes, Total	ND	0.099	mg/Kg	1	8/24/2012 1:57:46 AM
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	8/24/2012 1:57:46 AM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Reporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 9 of 13

Lab Order 1208975

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4 10-12'

Project: Enterprise Lateral 6C

Collection Date: 8/21/2012 12:30:00 PM

Lab ID: 1208975-010

Received Date: 8/22/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG		Analyst: JMP			
Diesel Range Organics (DRO)	N D	9.8	mg/Kg	1	8/24/2012 2:01:24 PM
Surr: DNOP	105	77.6-140	%REC	1	8/24/2012 2:01:24 PM
EPA METHOD 8015B: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/24/2012 6:37:12 PM
Surr: BFB	98.0	84-116	%REC	1	8/24/2012 6:37:12 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.047	mg/Kg	1	8/24/2012 6:37:12 PM
Toluene	ND	0.047	mg/Kg	1	8/24/2012 6:37:12 PM
Ethylbenzene	ND	0.047	mg/Kg	1	8/24/2012 6:37:12 PM
Xylenes, Total	ND	0.094	mg/Kg	1	8/24/2012 6:37:12 PM
Surr: 4-Bromofluorobenzene	99.7	80-120	%REC	1	8/24/2012 6:37:12 PM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits Page 10 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#:

1208975

29-Aug-12

Client:

Animas Environmental Services

Project:

Enterprise Lateral 6C

Sample ID MB-3458	Samp	SampType: MBLK			TestCode: EPA Method 8015B: Diesel Range Organics						
Client ID: PBS	Batc	h ID: 34	58	RunNo: 5079							
Prep Date: 8/23/2012	Analysis E	Date: 8/	24/2012	SeqNo: 143933 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10	_						-		
Surr: DNOP	11		10.00		111	77.6	140				
Sample ID LCS-3458	Samp1	Type: LC	s	TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: LCSS	Batcl	h ID: 34	58	F	lunNo: 50	079					

Sample ID LCS-3458	SampT	SampType: LCS TestCode: EPA Method 8015B: Diesel Range Organ									
Client ID: LCSS	Batch	Batch ID: 3458 RunNo: 5079									
Prep Date: 8/23/2012	Analysis D	ate: 8/	24/2012	12 SeqNo: 143970 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	36	10	50.00	0	71.6	52.6	130				
Sur: DNOP	4.3		5.000		85.0	77.6	140				

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits

Page 11 of 13

S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208975

29-Aug-12

Client:

Animas Environmental Services

Project:

Analyte

Enterprise Lateral 6C

Sample ID MB-3452 Client ID: **PBS**

SampType: MBLK

TestCode: EPA Method 8015B: Gasoline Range

LowLimit

84

Batch ID: 3452

RunNo: 5085

Prep Date: 8/22/2012

Analysis Date: 8/23/2012 Result

SeqNo: 144112 %REC

Units: mg/Kg

HighLimit

RPDLimit

Qual

Gasoline Range Organics (GRO)

ND 990

1000

SPK value SPK Ref Val

99.3

116

Surr: BFB

SampType: LCS

TestCode: EPA Method 8015B: Gasoline Range

%RPD

Sample ID LCS-3452 Client ID: LCSS

Batch ID: 3452

RunNo: 5085

Prep Date:

8/22/2012

Analysis Date: 8/23/2012

PQL

5.0

SeqNo: 144113

Units: mg/Kg

Analyte Gasoline Range Organics (GRO)

Result

PQL SPK value SPK Ref Val 25.00

%REC LowLimit 93.1

HighLimit

%RPD **RPDLimit**

Qual

Surr: BFB

23 5.0 1000 1000

99.9

84

117 116

Qualifiers:

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Reporting Detection Limit

Ε Value above quantitation range

Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Page 12 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#:

1208975

29-Aug-12

Client:

Animas Environmental Services

Project:

Enterprise Lateral 6C

Sample ID MB-3452	SampType: MBLK			Tes	tCode: El					
Client ID: PBS	D: PBS Batch ID: 3452			F	RunNo: 5	085				
Prep Date: 8/22/2012	Analysis D	ate: 8/	23/2012	S	SeqNo: 1	44142	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID LCS-3452	S	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSS	Client ID: LCSS Batch ID: 3452				RunNo: 5085								
Prep Date: 8/22/2012 Analysis Date: 8/23/2012				SeqNo: 144143 Units: mg/Kg					J				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.94	0.050	1.000	0	93.9	76.3	117						
Toluene	0.97	0.050	1.000	0	96.7	80	120						
Ethylbenzene	1.0	0.050	1.000	0	100	77	116						
Xylenes, Total	3.0	0.10	3.000	0	100	76.7	117						
Surr: 4-Bromofluorobenzene 1.			1.000		107	80	120						

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits

Page 13 of 13

S Spike Recovery outside accepted recovery limits



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1208975 AG 08/22/12 Received by/date: an Il Logged By: **Anne Thorne** 8/22/2012 10:00:00 AM **Anne Thorne** 8/22/2012 Completed By: Reviewed By: Chain of Custody Yes \(\simega \text{No } \simega \) Not Present 1. Were seals intact? Yes 🗹 No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In Yes 🗸 No 🗌 NA 🗔 4. Coolers are present? (see 19. for cooler specific information) Yes 🗹 No 🗌 NA 🗌 5. Was an attempt made to cool the samples? NA \square Yes 🗹 No 🗌 6. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No 🗌 7. Sample(s) in proper container(s)? Yes V No 8. Sufficient sample volume for indicated test(s)? Yes 🗹 No 🛄 9 Are samples (except VOA and ONG) properly preserved? Yes 🗌 No 🗹 NA 🗌 10. Was preservative added to bottles? Yes No No VOA Vials 🗹 11 VOA vials have zero headspace? Yes No 🔽 12. Were any sample containers received broken? # of preserved Yes 🔽 No 🗌 13. Does paperwork match bottle labels? bottles checked (Note discrepancies on chain of custody) for pH: Yes 🗹 No 🗌 (<2 or >12 unless noted) 14. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 Adjusted? 15. Is it clear what analyses were requested? Yes 🗹 No 🗌 16. Were all holding times able to be met? (If no, notify customer for authorization.) Checked by: Special Handling (if applicable) Yes 🗌 No 🗍 NA 🗹 17. Was client notified of all discrepancies with this order? Person Notified: Date By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 18. Additional remarks: 19 Cooler Information Cooler No | Temp °C | Condition | Seal Intact | Seal No | **Seal Date** Signed By 2.0

IAT ENVIDONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(†O	əiQ\as	15B (G. 3, NO ₂ , 1)	08 14 th 15 th 16 th 16 th 17 th 16	BTEX + MTE TPH Method TPH (Method B310 (PNA d RORA 8 Met RORA Pesticin ROR1 Pesticin ROR1 Pesticin ROR1 Pesticin ROR2 (VOA ROR3 (Semi-	×	<u></u>	- L	*	٠,٠					×	arks: Bill 70 FAterprise	Insi Wat Lut (Span) = 10,00
										BTEX + N	X ISS	Z02	7 EDD-	X 100-	× 200-	-alo x	7001 X	-C18 K	7 POO-	2016 4	Date Time Remarks:	22 2 10 CC
Turn-Around Time:	Rush Rush	Project Name: Enterprise	Lateral GC	Project #:		Project Manager.	Tami Ross	Sampler: Thomas (ing	September (September 1988)	Container Preservative Type and # Type	Mor Jus Tee									→ →	Received by:	
Chain-of-Custody Record					-3381		□ Level 4 (Full Validation)			Sample Request ID	Mw-1 5-71	141-01 1-MM	17-5 G-WM	161-01 6-mm	MW-86-71	Mw-8 10-12"	MW-3 0-21	Mw-3 10-12'	MW-4 S-71	(G1-01 4-MA)	or Leng	W- Wut
Chain-of-Cu	Client: Ammos Enc. Services		Mailing Address: 634 E. Consoli	Francington NM	Phone #: - 505 - 564		QA/QC Package:	Other	(pd)	Date Time Matrix	8-20-13 1301 50:11	136	1434	1440	8-31-12 OB40	0843	1018	1035	1395	y 1230 y	Time: Relinquisi	9/2/12/13/1/2/14/



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

August 29, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072

FAX

RE: Enterprise Lateral 6C OrderNo.: 1208B01

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/24/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

Lab ID: 1208B01-001

Client Sample ID: MW-9 5-7'

Collection Date: 8/23/2012 8:34:00 AM

Received Date: 8/24/2012 10:00:00 AM

Analyses	Result	RL Q	ıal Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	8/28/2012 10:05:19 AM
Surr: DNOP	105	77.6-140	%REC	1	8/28/2012 10:05:19 AM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/29/2012 12:15:05 AM
Surr: BFB	97.0	84-116	%REC	1	8/29/2012 12:15:05 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	8/29/2012 12:15:05 AM
Toluene	ND	0.048	mg/Kg	1	8/29/2012 12:15:05 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/29/2012 12:15:05 AM
Xylenes, Total	ND	0.096	mg/Kg	1	8/29/2012 12:15:05 AM
Surr: 4-Bromofluorobenzene	99.2	80-120	%REC	1	8/29/2012 12:15:05 AM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits $\begin{array}{ccc} \text{Page 1 of 12} \end{array}$

Lab Order 1208B01

Date Reported: 8/29/2012

8/29/2012 12:43:49 AM

8/29/2012 12:43:49 AM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Enterprise Lateral 6C Project:

Lab ID: 1208B01-002

Xylenes, Total

Surr: 4-Bromofluorobenzene

Client Sample ID: MW-9 10-12'

Collection Date: 8/23/2012 8:37:00 AM Received Date: 8/24/2012 10:00:00 AM

1

1

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8015B: DIESEL RANGE ORGANICS** Analyst: JMP Diesel Range Organics (DRO) ND 8/28/2012 10:30:17 AM 10 mg/Kg 1 Surr: DNOP 102 77.6-140 %REC 1 8/28/2012 10:30:17 AM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB mg/Kg Gasoline Range Organics (GRO) ND 4.7 1 8/29/2012 12:43:49 AM Surr: BFB 97.0 %REC 84-116 1 8/29/2012 12:43:49 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.047 8/29/2012 12:43:49 AM mg/Kg 1 Toluene ND 0.047 mg/Kg 1 8/29/2012 12:43:49 AM Ethylbenzene ND 0.047 mg/Kg 1 8/29/2012 12:43:49 AM

0.093

80-120

mg/Kg

%REC

Matrix: SOIL

ND

99.7

- Analyte detected in the associated Method Blank В
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Reporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 2 of 12

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

1208B01-003 Lab ID:

Client Sample ID: MW-5 5-7'

Collection Date: 8/23/2012 9:26:00 AM

Received Date: 8/24/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/28/2012 10:55:38 AM
Surr: DNOP	103	77.6-140	%REC	1	8/28/2012 10:55:38 AM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/29/2012 1:12:33 AM
Surr: BFB	97.4	8 4 -116	%REC	1	8/29/2012 1:12:33 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	8/29/2012 1:12:33 AM
Toluene	ND	0.048	mg/Kg	1	8/29/2012 1:12:33 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/29/2012 1:12:33 AM
Xylenes, Total	ND	0.096	mg/Kg	1	8/29/2012 1:12:33 AM
Surr: 4-Bromofluorobenzene	99.4	80-120	%REC	1	8/29/2012 1:12:33 AM

Matrix: SOIL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- RLReporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
 Page 3 of 12

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Lateral 6C

Lab ID: 1208B0I-004

Client Sample ID: MW-5 10-12'

Collection Date: 8/23/2012 9:30:00 AM

Received Date: 8/24/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/28/2012 12:14:41 PM
Surr: DNOP	102	77.6-140	%REC	1	8/28/2012 12:14:41 PM
EPA METHOD 8015B: GASOLINE R.	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/29/2012 1:41:15 AM
Surr: BFB	96.3	84-116	%REC	1	8/29/2012 1:41:15 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	8/29/2012 1:41:15 AM
Toluene	ND	0.050	mg/Kg	1	8/29/2012 1:41:15 AM
Ethylbenzene	ND	0.050	mg/Kg	1	8/29/2012 1:41:15 AM
Xylenes, Total	ND	0.10	mg/Kg	1	8/29/2012 1:41:15 AM
Surr: 4-Bromofluorobenzene	97.1	80-120	%REC	1	8/29/2012 1:41:15 AM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits Page 4 of I2

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-6 5-7'

Project: Enterprise Lateral 6C

Collection Date: 8/23/2012 10:35:00 AM

Lab ID: 1208B01-005

Matrix: SOIL

Received Date: 8/24/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/28/2012 12:40:24 PM
Surr: DNOP	104	77.6-140	%REC	1	8/28/2012 12:40:24 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/29/2012 2:09:56 AM
Surr: BFB	97.1	84-116	%REC	1	8/29/2012 2:09:56 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	8/29/2012 2:09:56 AM
Toluene	ND	0.050	mg/Kg	1	8/29/2012 2:09:56 AM
Ethylbenzene	ND	0.050	mg/Kg	1	8/29/2012 2:09:56 AM
Xylenes, Total	ND	0.10	mg/Kg	1	8/29/2012 2:09:56 AM
Surr: 4-Bromofluorobenzene	98.8	80-120	%REC	1	8/29/2012 2:09:56 AM

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits Page 5 of 12

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-6 10-12'

Project: Enterprise Lateral 6C Collection Date: 8/23/2012 10:40:00 AM

Lab ID: 1208B01-006 Matrix: SOIL Received Date: 8/24/2012 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	8/28/2012 1:06:20 PM
Surr: DNOP	101	77.6-140	%REC	1	8/28/2012 1:06:20 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/29/2012 2:38:38 AM
Surr: BFB	98.0	84-116	%REC	1	8/29/2012 2:38:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	8/29/2012 2:38:38 AM
Toluene	ND	0.048	mg/Kg	1	8/29/2012 2:38:38 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/29/2012 2:38:38 AM
Xylenes, Total	ND	0.096	mg/Kg	1	8/29/2012 2:38:38 AM
Surr: 4-Bromofluorobenzene	100	80-120	%REC	1	8/29/2012 2:38:38 AM

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- Reporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits $\begin{array}{c} \text{Page 6 of 12} \end{array}$

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Enterprise Lateral 6C

Lab ID: 1208B01-007

Project:

Client Sample ID: MW-7 5-7'

Collection Date: 8/23/2012 12:16:00 PM

Received Date: 8/24/2012 10:00:00 AM

Analyses	Result	RL Qı	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	8/28/2012 1:32:30 PM
Surr: DNOP	100	77.6-140	%REC	1	8/28/2012 1:32:30 PM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/29/2012 3:07:25 AM
Surr: BFB	96.7	84-116	%REC	1	8/29/2012 3:07:25 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	8/29/2012 3:07:25 AM
Toluene	ND	0.048	mg/Kg	1	8/29/2012 3:07:25 AM
Ethylbenzene	ND	0.048	mg/Kg	1	8/29/2012 3:07:25 AM
Xylenes, Total	ND	0.097	mg/Kg	1	8/29/2012 3:07:25 AM
Surr: 4-Bromofluorobenzene	97.0	80-120	%REC	1	8/29/2012 3:07:25 AM

Matrix: SOIL

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Reporting Detection Limit
- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits Page 7 of 12

Lab Order 1208B01

Date Reported: 8/29/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-7 10-12'

Enterprise Lateral 6C Collection Date: 8/23/2012 12:21:00 PM Project: 1208B01-008 Received Date: 8/24/2012 10:00:00 AM Lab ID: Matrix: SOIL

DF Date Analyzed Result **RL Qual Units Analyses EPA METHOD 8015B: DIESEL RANGE ORGANICS** Analyst: JMP ND Diesel Range Organics (DRO) 8/28/2012 1:58:38 PM 9.8 mg/Kg 1 Surr: DNOP 101 77.6-140 %REC 1 8/28/2012 1:58:38 PM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.7 mg/Kg 8/29/2012 3:36:12 AM 1 98.5 %REC 8/29/2012 3:36:12 AM Surr: BFB 1 84-116 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.047 8/29/2012 3:36:12 AM mg/Kg 1 Toluene ND 0.047 mg/Kg 1 8/29/2012 3:36:12 AM Ethylbenzene ND 0.047 8/29/2012 3:36:12 AM mg/Kg 1 Xylenes, Total ND 0.094 mg/Kg 1 8/29/2012 3:36:12 AM Surr: 4-Bromofluorobenzene 101 80-120 %REC 1 8/29/2012 3:36:12 AM

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- Reporting Detection Limit RL
- Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
 Page 8 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#:

1208B01

29-Aug-12

Client:

Animas Environmental Services

Project:

Enterprise Lateral 6C

Sample ID MB-3497	SampT	уре: М	BLK	TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: PBS	Batch	1D: 34	97	R	RunNo: 5	130					
Prep Date: 8/27/2012	Analysis D	ate: 8/	28/2012	012 SeqNo: 145851 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	11		10.00		108	77.6	140				

Sample ID LCS-3497	SampT	TestCode: EPA Method 8015B: Diesel Range Organics								
Client ID: LCSS	Batch ID: 3497 RunNo: 5130									
Prep Date: 8/27/2012	Analysis D	ate: 8/	28/2012	SeqNo: 146003			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	52.6	130			
Surr: DNOP	4.3		5.000		86.4	77.6	140			

Sample ID 1208C15-001AMS	SampT	ype: M	S	Tes	tCode: E	PA Method	8015B: Dies	el Range (Organics	
Client ID: BatchQC	Batch	ID: 35	609	F	RunNo: 5	159				
Prep Date: 8/28/2012	Analysis D	ate: 8	/29/2012	\$	SeqNo: 1	46661	Units: %RE	С		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.149		85.9	77.6	140			

Sample ID	1208C15-001AMSD	SampType	: MSD	Tes	tCode: E	PA Method	8015B: Diese	el Range (Organics	
Client ID:	BatchQC	Batch ID	3509	F	RunNo: 5	159				
Prep Date:	8/28/2012	Analysis Date	8/29/2012	\$	SeqNo: 1	47002	Units: %RE	:C		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.4	4.031		88.3	77.6	140			

Qualifiers:

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208B01 29-Aug-12

Client: Animas Environmental Services Project: Enterprise Lateral 6C Sample ID 5ML RB SampType: MBLK TestCode: EPA Method 8015B: Gasoline Range Client ID: PBS Batch ID: R5146 RunNo: 5146 Prep Date: Analysis Date: 8/28/2012 SeqNo: 146743 Units: %REC SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result POL LowLimit Qual Surr: BFB 970 1000 96.6 84 116 Sample ID 2.5UG GRO LCS SampType: LCS TestCode: EPA Method 8015B: Gasoline Range Client ID: LCSS Batch ID: R5146 RunNo: 5146 Prep Date: Analysis Date: 8/28/2012 SeqNo: 146744 Units: %REC Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 1000 1000 101 84 116 Sample ID 1208C16-001AMS SampType: MS TestCode: EPA Method 8015B: Gasoline Range Client ID: **BatchQC** Batch ID: R5146 RunNo: 5146 Prep Date: Analysis Date: 8/28/2012 SegNo: 146746 Units: %REC Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 700 679.7 102 84 116 Sample ID 1208C16-001AMSD SampType: MSD TestCode: EPA Method 8015B: Gasoline Range Client ID: **BatchQC** Batch ID: R5146 RunNo: 5146 Prep Date: Analysis Date: 8/28/2012 SegNo: 146747 Units: %REC Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 690 679 7 Sample ID MB-2494 SampType: MBLK TestCode: EPA Method 8015B: Gasoline Range Client ID: PBS Batch ID: R5146 RunNo: 5146 Prep Date: Analysis Date: 8/28/2012 SeqNo: 146758 Units: %REC Analyte SPK value SPK Ref Val %RPD **RPDLimit** Result POL %REC LowLimit HighLimit Qual Surr: BFB 960 1000 84 116 Sample ID LCS-3494 SampType: LCS TestCode: EPA Method 8015B: Gasoline Range Client ID: LCSS Batch ID: 3494 RunNo: 5146 Prep Date: 8/27/2012 Analysis Date: 8/28/2012 SeqNo: 146759 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 22 Gasoline Range Organics (GRO) 5.0 25.00 0 86.8 74 117 Surr: BFB 1000 1000 102 84 116 Sample ID 1208B01-001AMS SampType: MS TestCode: EPA Method 8015B: Gasoline Range MW-9 5-7 Client ID: Batch ID: 3494 RunNo: 5146 Prep Date: 8/27/2012 Analysis Date: 8/28/2012 SeqNo: 146761 Units: mg/Kg

Qualifiers:

Analyte

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting LimitRL Reporting Detection Limit

E Value above quantitation range

SPK value SPK Ref Val %REC

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

LowLimit

HighLimit

Page 10 of 12

Qual

RPDLimit

%RPD

Hall Environmental Analysis Laboratory, Inc.

WO#:

1208B01

29-Aug-12

Client:

Animas Environmental Services

Project:

Enterprise Lateral 6C

Sample ID 1208B01-001AMS	SampT	SampType: MS TestCode: EPA Method 8015B: Gasoline						oline Rang	е	
Client ID: MW-9 5-7'	Batch	ID: 34	94	R	RunNo: 5	146				
Prep Date: 8/27/2012	Analysis D	ate: 8/	28/2012	S	SeqNo: 1	46761	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.74	0	90.6	70	130			
Surr: BFB	940		949.7		99.5	84	116			

Sample ID 1208B01-001AMS	D SampT	уре: М	SD	Tes	tCode: E	PA Method	8015B: Gaso	oline Rang	е	
Client ID: MW-9 5-7'	Batch	1D: 34	94	F	RunNo: 5	146				
Prep Date: 8/27/2012	Analysis D	ate: 8/	28/2012	8	SeqNo: 1	46762	Units: mg/K	ξg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.39	0	97.2	70	130	5.48	22.1	
Surr: BFB	940		935.5		100	84	116	0	0	

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Page 11 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208B01

29-Aug-12

Client: Animas Environmental Services

Project: Enterprise Lateral 6C

Sample ID 5ML RB SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: R5146 RunNo: 5146

Prep Date: Analysis Date: 8/28/2012 SeqNo: 146803 Units: %REC

Analyte Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

Surr: 4-Bromofluorobenzene 0.98 1.000 98.2 80 120

Sample ID 100NG BTEX LCS SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: R5146 RunNo: 5146

Prep Date: Analysis Date: 8/28/2012 SeqNo: 146804 Units: %REC

RPDLimit PQL SPK value SPK Ref Val %REC %RPD Analyte Result LowLimit HighLimit Qual

1.000 Surr: 4-Bromofluorobenzene 1.0 104 80 120

Sample ID 1208C15-001AMS SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: **BatchQC** Batch ID: R5146 RunNo: 5146

Prep Date: Analysis Date: 8/28/2012 SeqNo: 146814 Units: %REC

%RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC HighLimit Qual LowLimit

Surr: 4-Bromofluorobenzene 0.87 0.8373 104 80 120

Sample ID 1208C15-001AMSD SampType: MSD TestCode: EPA Method 8021B: Volatiles

Client ID: **BatchQC** Batch ID: R5146 RunNo: 5146

Prep Date: Analysis Date: 8/28/2012 SeqNo: 146828 Units: %REC

Analyte Result SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual HighLimit

0.88 105 80 0 0 Surr: 4-Bromofluorobenzene 0.8373 120

Sample ID MB-2494 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: R5146 RunNo: 5146

Prep Date: Analysis Date: 8/28/2012 Units: %REC SeqNo: 146847

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Surr: 4-Bromofluorobenzene 0.99 1.000 99.5 80 120

Sample ID LCS-3494 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 3494 RunNo: 5146

Analysis Date: 8/28/2012 Prep Date: 8/27/2012 SeqNo: 146848 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.94 0.050 1.000 0 93.9 76.3 117 Benzene 0.97 0.050 1.000 97.3 Toluene 0 80 120 0.98 0.050 98.4 Ethylbenzene 1.000 ٥ 77 116 Xylenes, Total 3.0 0.10 3.000 0 99.3 76.7 117 Surr: 4-Bromofluorobenzene 1.0 1.000 104 80 120

Qualifiers:

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

ND Reporting Detection Limit

Value above quantitation range Ε

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

R RPD outside accepted recovery limits Page 12 of 12



Hall Environmental Analysis Laboratory 4901 Hawkins NI Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Animas Environ	nmental	يار بار	Wo	ork On	der N	umbe	er: 12	208B	01				
Received by/d		10	8/24//	2										
Logged By:	Ashley Gallego	os	8/24/2012 10:	MA 00:00			5	A	ŧ					
Completed By	Ashley Gallego		8/24/2012 12:	52:13 PM			5	A	F					
Reviewed By:	A	08/24	1/2											
Chain of Cu	stody	•												
1. Were sea	ls intact?				Yes		_]		Present E	-			
2. Is Chain o	of Custody complete	?			Yes	\checkmark	No L	J	Not	Present L	J			
3. How was	the sample delivere	d?			Cour	<u>ier</u>								
<u>Log In</u>														
4. Coolers a	re present? (see 19	. for cooler sp	ecific information	on)	Yes	V	No [NA [
5. Was an a	ttempt made to coo	the samples	?		Yes	V	No [na []			
6. Were all s	amples received at	a temperatur	e of >0°C to 6.	.0°C	Yes	V	No [NA []			
7 Sample(s) in proper container	r(s)?			Yes	✓ 1	No [
8. Sufficient	sample volume for	indicated test	(s)?		Yes	☑ 1	No [
9. Are samp	les (except VOA an	d ONG) prope	erly preserved?		Yes	✓ I	No [
10. Was pres	ervative added to be	ottles?			Yes		No 🛂			NA []			
11 VOA vials	have zero headspa	ice?			Yes		No [] P	No VC	A Vials ⊻	Ì			
	sample containers		en?		Yes	_			Г					
	erwork match bottle repancies on chain				Yes	√ I	No [# of prese bottles cha for pH:				
14. Are matric	ces correctly identific	ed on Chain o	of Custody?		Yes	✓ 1	No [(<2	or >12	unless n	oted)
15. Is it clear	what analyses were	requested?			Yes			_		Adjı	isted?			_
,	olding times able to				Yes	V	No L			Chor	wad bur			ĺ
• ,	dling (if applic	,									ked by:			
	t notified of all discr		this order?		Yes	□ 1	No [NA 5				
Pers	on Notified:			Date:				- 4.1	*	7				
By V	Vhom:			Via: └ □	eMai	ı 🗆	Phor	ne [Fax	ln P	erson			
Reg	arding:		and a second sec	- In a superior							A			
Clier	nt Instructions:													
18. Additional	remarks:													
19. Cooler In	No Temp °C C			al No Se	al Dat	e	Sig	gned	Ву	4				
<u>[</u>	1.0 G0	ood Ye	3	:										

Air Bubbles (Y or N) **ANALYSIS LABORATORY** HALL ENVIRONMENTAL 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com **Analysis Request** Bill To Enterprise Tel. 505-345-3975 Remarks 1)Ko/6Ko <u>ソ</u>ソ メダ アイ 10001 21/12/1000 8/23/12 1540 Date Time 99 -005 h00-00 -005 Time -CC 1001 Jeteral (OC Project Name: Enterprise (ami Ross Preservative □ Rush 44 Sampler: Therias Project Manager: Container Type and # 402 Ja, Received by Project #: ☐ Level 4 (Full Validation) Mw-6 10-13 Sample Request ID S-1 161-01 L-MW 5-7 10-13 101-01 S-MID 5-7 5-7' Mailing Address 624 E Comanche Farmington NM CIIAIII-UI-CUSIUUN RECUIU Client: Animas Environmental Services Farmington, NM 87401 100-P PNW-5 MW-9 M8-1 PN5-9 505-564-2281 505-324-2022 Relinquished by: □ Other Matrix 201 8/33/12 1437 0/201 9-33-18 1546 geb) 0430 QA/QC Package: Time 1035 0837 email or Fax#: 216 (Cel EDD (Type) Accreditation: 4589 C1-58-8 Time: Тіте: Standard O NELAP Phone #: Date Date:

fedited begaratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. If necessary, samples submitted to Hall Environmental may be subsopriacted to oth

Animas Environmental Services DEPTH TO GROUNDWATER 624 E. Comanche, Farmington NM 87401 **MEASUREMENT FORM** Tel. (505) 564-2281 Fax (505) 324-2022 Project: GROUND WATER SAMPLING Site: ENTERPRISE Time: 0703 Location: LATERAL 6-C Form: Tech: L. LAMONE Depth to NAPL NAPL Depth to Well Notes / Observations Į.D. (ft.) Water (ft.) Thickness (ft.) 15.78 27.60 2 16.29 24.30 3 15.98 4 15.59 24.39 19.35 25.98 1855 25.37 19.03 24.33 14.96 9 25.26 26.26 17.55 9 Wells measured with KECK water level or KECK interface tape, decontaminated between each well measurement.

Water S	ampling F	Record		Animas Environmental Services								
Monitor W	rell No: M	N-1		624 E. Comanche, Farmington NM 87401								
	• • •	•		Tel. (505) 564-2281 Fax (505) 324-2022								
Project: (ROUND WATE	ER SAMPLING		Project No.:								
Site:	ENTERPE			- .		Date: 9.7.2012						
Location:	LATERA	L 6-C		Time: 0756 (0812 Sample								
Sampler:		AMONE		Weather: Claun								
Sampling		BAILER		Air Temperature:								
Depth of V		27.60) 	Well Diam. (in.):								
Depth to V	Vater (ft):	15.78	γ	Site Elevation (ft):								
	Temp	Conductivity	DO		ORP	PURGED VOLUME						
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(gallons)	Notes/Observations					
0758	17.34	5.520	1.17	4.79	-254.9	1st pail out	octor, very gray					
0801	17.48	5.644	1.14	6.88	-257.0	I gal.	gray HZO					
0203	17.22	5.628	1.16	6.93	-259.0	2. gal	9124/ 1/20					
6806	17.27	5.589	1.38	6.94	-261.0	3 gal	gray Hzo					
0808	17.40	5.582	1.39	6.96	-267.0	4 gal.	gray Hzo					
0800	17.34	5,403	1,48	6.99	-267.3	5 gal	gary 1/20					
0812	17.31	5.616	1.72	7.02	-263.4	5.80 g.s.	gray Hz.					
							12.77					
			<u></u>		<u></u>	<u></u>						
Analytical F	Parameters	Sampled For (ii	nclude Met	hod #):	80	21 B BTEX						
·	***************************************		*			(makin tiki t						
					· · · · · · · · · · · · · · · · · · ·							
				,		1 19						
Disposal of	Purged Wa	ter: INTO 9	5 gAl. d	rum (s	tee) o	delivered to land	SFARM					
,	· 	ord Complete? (
	aboratory:	HALL E	NVI ROM	ENTAL	. ANA	LYTICAL LAB						
Equipment	Used Durin	g Sampling: Y	SI; PG	20DUCT	PROB	OF TUINE; 55	SLOW FLOW;					
3 Ru	CKETS;	3 VOAS ; V	TILITY	KNIFE	= 7 25	of TUINE; 55	gal. Drum					
Other Notes	s/Comments	S										
(1.82	Hzo Colu	mp Ista	atton the	dray	gray.	ador.						
693] - 4	3.75 90	ulon	Mon of 170 gray order of sulfur							
6.79			vo sheen		H70.	Ω,						
	1 1				-							

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Water Sa	ampling R	lecord		Animas Environmental Services						
Monitor W	ell No: MV	N-2			624 E. Comanche, Farmington NM 87401					
						5) 564-2281 Eax (505)				
Project: 6	ROUND WATE	ER SAMPLING	The same security of the same security			ct No.:	#A . F RAM 1 11 - A			
Site:	ENTERPE		A	_		Date: 9.7. 201	7			
Location:	LATERA	L 6-C		_		Time: 0727 (C	0839 SAMPLE			
Sampler:	L. Lamo	NE		Weather: clear/ mem Time						
Sampling I		BAILER	****	Air Temperature:						
Depth of W	, .	24.30		Well Diam. (in.): 2 Site Elevation (ft):						
Depth to W	/ater (ft):	16.29		Site	Elevation	T				
	Temp	Conductivity	DO		ORP	PURGED VOLUME				
Time	(deg C)	(µS) (mS)	(mg/L)	pН	(mV)	(gallons)	Notes/Observations			
0826	14.52	3.902	2.11	7.56	-136.2	1st bail	clear Hzo			
0829	1667	4.243	1.16	7.31	-197.0	I gal.	gem 1/20			
6833	16.61	4,182	1.00	7.30	-2080	3 gal.	geny, silty Hzo			
0836	16.60	4.252	1.00	7.27	-2090	4. gal.	arm silly Hzo			
0839	16.67	4.234	1.03	7.31	-209.6	4.90 gal.	gray silty Hzo			
				·			, ,			
		*/***								
							T/A			
	-				-	A				
							· · · · · · · · · · · · · · · · · · ·			
				·····						
Analytical F	arameters	Sampled For (ir	nclude Met	hod #):	80	21 B BTEX				
Dienosal of	Purned Wa	tor Talto G	Soul d	was le	tool)	delivered to LANG	NEAR AA			
		ord Complete? (rain C	veel) c	MINUTED TO WIND	OF / ICIN			
Analytical L				ENTA	ANIA	LYTICAL LAB				
· · · · · · · · · · · · · · · · · · ·		a Sampling: V	5I · P6	20DUCT	PROB	E. BAILER WI	SLAW FLOW!			
3 BW	CKETS;	3 VOAS ; U	TILITY	KNIFE	7 25'	OF TWINE; 55	gal. DRum			
Other Notes	/Comments	3								
10.01	Azo colum	N ffzo	Exremby	siltu	ark	ry sulfur odo	or recharge			
1.63			well is	I.	1)	IK needs CAP.	,			
4.90				J						
	()									
						The state of the s				

Water S	Sampling F	Record		Animas Environmental Services							
Monitor \	Well No: M	w·3			624 E.	Comanche, Farmingtor	NM 87401				
					Tel. (50	5) 564-2281 Fax (505)	324-2022				
Project:	GRISUND WAT	ER SAMPLING	1	-	Project No.:						
Site:	ENTERPE	45E			Date: 9.7.2012						
ocation:	LATERA	L 6-C		Time: 0955 (0913 SAMPLE TIME							
Sampler:				Weather:							
	Method:	BAILER		Air Temperature:							
Depth of		25.88		Well Diam. (in.): 2							
Depth to	Water (ft):	15.98	T	Site	Site Elevation (ft):						
	Temp	Conductivity	DO		ORP	PURGED VOLUME					
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(gallons)	Notes/Observations				
0900	15.58	5.623	1.73	7.49	-41.1	1st buil	Try HZO				
6903	15.38	5.989	1.56	7:39	- 36.8	I gal.	Jan/Cher Hzo				
0905	15.71	4.160	204	7.36e	-33.4	2 gal.	TON Silty Hzo				
0908	15.46	5.878	1.53	7.33	-33.8	3 gal.	Tan/Silty Hzo				
0910	15.31	5.593	1.73	7.33	-30.1	4 gal.	Tan/ Silty Hzo				
0913	15.29	5.706	2.24	7.33	26.0	4.85 gal.	Tan Silt				
			······································		 						

<u> </u>	<u> </u>	<u> </u>			<u> </u>	·	*****				
nalytical	Parameters	Sampled For (i	nclude Me	thod #):	80	21 B BTEX					
	,,,										
	M.W		······································								
	· · · · · · · · · · · · · · · · · · ·		·····								
isposal c	of Purged Wa	ater: INTO 5	5 gal. o	lrum (steel)	delivered to LAN	OFARM				
		ord Complete?		,							
	Laboratory:			FAITA.	AAIA	LYTICAL LAB	7-10-1				
							SIAN FINA				
quipmen 3 R	K-KETS;	3 VOAS ; V	TILITY	KNIF	= ; 25'	E: BAILER W/	gal. DRum				
			, , , , , , , , , , , , , , , , , , ,			,					
	s/Comment	1 1 1 1 1	1. I.		l. a						
	Hro Col			(<u>v</u>) (• • •	n di					
	2 volume	SIL	t, no	0001	c + c	10 Sheen	<u> </u>				
4.8	5 purged										
t	* *										

Water S	ampling F	Record		Animas Environmental Services							
Monitor V	Vell No; N	W-4			624 E. Comanche, Farmington NM 87401						
		,			Tel (50	5) 564-2281 Fax (505)	324-2022				
Project:	GROUND WAT	ER SAMPLING	3	Project No.:							
Site:	ENTERPE					Date: 9.7.201					
	LATERA			_	Time: 0923 (0937 SAMPLE						
Sampler:					Weather: Air Temperature:						
Sampling Depth of V		BAILER 24.39									
1 '	Nater (ft):	15.59		Well Diam. (in.): 2 Site Elevation (ft):							
	Temp	Conductivity	DO		ORP PURGED VOLUME						
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(gallons)	Notes/Observations				
ogzle	15.58	5.208	1.65	754	-44.8	1st Bailer	clear.				
0979	16.31	5.534	1.52	7.37	-309	1 gal. 2.0 gal. 3.0 gal. 4.35 gal	Tan silt				
0931	15.81	5.559	1.28	7.32	-31.8	2.0 gal.	Tan sit				
0934	1513	5,095	0.89	734	44.0	3,0 gul.	Tan Silt				
0937	15,77	5.564	1.46	7-30	-27.9	4.35 gal	Tan 5.11 1/20				
			An								
Adh V.											
			- in A. S.			A CONTRACTOR OF THE CONTRACTOR					
	<u></u>				L						
					.						
Analytical	Parameters	Sampled For (in	nclude Met	thod #):	80	21 B BTEX					
Disnosal of	Purged Wa	iter: TATO G	50al d	min (teal)	delivered to LAN	INTAR MA				
				,	yeel)	SOUVERED) 10 WIN	OP/NCIVE				
	aboratory:	ord Complete? (ELITA.	A 4 1 -4	117:01 100					
						LYTICAL LAB	CALL DON'S				
cquipment る B M	CKETS:	S VOAS . W	TILITY	KNIFE	F KUIS	OF TWINE; 55	gal. DRum				
	s/Comments		, ,		-) = 0	, (2,132)	3				
	Ho Colu			· · · · 0 · ·	alle	lan holac					
1.44		MD 17	o extre	odor.	Sulty		own in colon_				
	Volume		No	VOUY +	γw	Sheen					
4.31	purged										
						and the second s					

Water S	ampling F	Record			Anim	as Environmenta	al Services				
Monitor W	lell No: M(N-5			624 E. Comanche, Farmington NM 87401						
	errore respect de delengan a	معاده والمطلبوس والربيس فراه لأغمر وعبد				5) 564-2281 Fax (505)	324-2022				
		ER SAMPLING	1	-	Project No.:						
Site:	ENTERPR		······································			Date: 9.7.201	2				
	LATERA	······································		-	366	Time: 0942	(0953 Sample				
Sampler:		mont		A-:	Weather: w MM Air Temperature:						
Sampling Depth of V		BAILER									
Depth to V		25.98	1.70	_	Well Diam. (in.): 2 Site Elevation (ft):						
Deptii to v	Temp	Conductivity	DO		ORP	PURGED VOLUME					
Time	(deg C)	(μS) (mS)	(mg/L)	pН	(mV)	(gallons)	Notes/Observations				
०१५५	15.27	4.007	1.87	7.44	,	1st Boilen	Clean				
0949	15.77	4.130	1.76	7.35	-20.8	1.0-gal 2.0 gul. 3.25 g.D.	Tan /s. 1+ Tan Some s				
0951	15.26	4.250	2.46	7.34	-11.1	2.0 guli	Tun Some s				
0953	14.89	4.137	153	7.34	-15.8	3.25 g. Q.	Tan/silt				
Analytical F	Parameters	Sampled For (in	nclude Met	hod #):	80	21 B BTEX					
Chain of Cu Analytical L Equipment 3 Pow Other Notes	ustody Reco aboratory: Used Durin ムドの下ろう	HALL E g Sampling: Y	YIN) Y NYIROM SI; PG TILITY	ENTAL PODUCT KNIFE	ANA PROB	LYTICAL LAB E; BAILER W/ OF TWINE; 55					
4.63	Hzo colu Volume		o lite	ian,	5116						
3.25			· · · · · · · · · · · · · · · · · · ·								
	1 Jew					- to					
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Water S	ampling F	Record			Anim	as Environmenta	al Services				
Monitor V	Vell No: M	w-le			624 E. Comanche, Farmington NM 87401						
					Tel. (50	(505) 564-2281 Fax (505)	324-2022				
Project:	GROUND WATE	ER SAMPLING	3		Project No.:						
Site:	ENTERPE				Date: 9.7.2012						
Location:	LATERA	L 6-C		_		Time: 1006	1021 Sample Time				
Sampler:		MONE		_	We	eather: WARM					
Sampling		BAILER	The second secon		r Tempe						
Depth of V		25.37	-,	_	Vell Diam		A A State In				
Depth to V	Vater (ft):	18.55		Site	Elevation	I	1				
	Temp	Conductivity	DO		ORP	PURGED VOLUME					
Time	(deg C)	(μS) (mS)	(mg/L)	pН	(mV)	(gallons)	Notes/Observations				
1010	15.74	3.662	1.93	7.71	-111.1	1st BailER	+ Gray/odur				
0000	KORA	4DCPARED	Our	PER	-10/5Q	Doeged	garage ar				
1016	15.43	4.599	0.87	7.35	-295.9	1.0 gul.	aray Khein Judan				
1019	15.33	4.662	0.88	7.37	-296.7	20 gal	arty/steam/odor				
1021	15.43	4.833	1.24	7.38	- 288.4		was Shew loder				
							711				
المراجع فالمالية				<u> </u>							
			,,,,								
						*.					
							<u> </u>				
		I		1							
Analytical	Parameters	Sampled For (ii	nclude Met	hod #):	80	21 B BTEX					
			_ , 1			1.1					
Disposal of	Purged Wa	iter: INTO 5	5 gal. d	rum (s	tee) (HELIVERED TO LAND	DFARM				
Chain of Co	istody Reco	ord Complete? ((Y/N) Y								
Analytical L	.aboratory:	HALL E	NVIROM	IENTAL	ANA	LYTICAL LAB					
Equipment						-	SLOW FLOW;				
3 BU	ckets;	3 VOAS ; U	TILITY	KNIFE	; 25'	of TWINE; 55	gal. Drum				
Other Notes/Comments											
	Hzo colum		is medi	um ara	wish	color, odor	(sulfive)				
	volume	4/11	in.	7	× July	- sure !					
	T .		<i></i>								
3.34	housea										
		1					1				

Disposal of Purged Water: INTO 55 gal. drum (steel) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Y Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 RUCKETS; 3 VOAS; UTILITY KNIFE; 25 of TWINE; 55 gal. DRUM	Water S	ampling R	Record	······································		Anim	as Environmenta	al Services	7
Project: GROWNDWATER SAMPLING Site: ENTERPLISE LOCATION: LATERAL 6-C Sampler: L. Lampaß Sampling Method: BALER Depth of Well (It): 726-33 Depth to Water (It): 19.0-3 Temp Conductivity DO Time (deg C) (µS) (mS) (mg/L) pH (mV) (gallons) Notes/Observations 1043 15-51 4.430 2.05 7.76 264 12 GALER LIFE gray 1043 15-51 4.430 2.05 7.76 264 12 GALER LIFE gray 1043 15-54 4.551 (.40 762 2.472 20 gal. 17 my HzD Shight S 1053 15-04 4.531 1.49 7.61 2438 3.0 gal gray 1/20 1053 15-04 4.531 1.49 7.61 2438 3.0 gal gray 1/20 1053 15-24 4.542 1.33 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.532 1.33 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.33 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.33 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.33 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.33 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.35 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.35 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.35 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.35 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.37 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.37 7.59 2413 3.60 gal gray 1/20 1053 15-04 4.512 1.37 7.59 2413 3.60 gal gray 1/20 1054 15-04	Monitor W	/ell No: M	w.7			624 E. (Comanche, Farmington	NM 87401	
Site: ENTERPLE Location: LATERAL 6-C Lampar Sampling Method: BALER Depth of Well (ft): 22-33 Depth to Water (ft): 19.03 Site Elevation (ft): 2 Depth of Well (ft): 20-33 Depth to Water (ft): 19.03 Depth to Water (ft): 19.03 Depth to Water (ft): 19.03 Depth of Well (ft): 20-33 Depth to Water (ft): 19.03 Depth to Water						Tel. (50	5) 564-2281 Fax (505)	324-2022	
Location: LATERAL 6-C Sampler: (Lamont				1	_	Proje]
Sampler: (Lamone Sampling Method: BALLER BEDIEM (In): 26-33 Weather: Well Dism. (in.): 2 Depth of Water (ft): 19.03 Site Elevation (ft): Well Dism. (in.): 2 Time (deg C) (µS) (mS) (mg/L) pH (mV) (gallons) Notes/Observations 1043 15-51 4.430 2.05 7.7½ -2654 12 BALLER Life gray 1043 19-52 4.590 1.62 7.6½ 2.591 1.0 pAL, gray 1044 19-94 19-55 1.40 7.64 2.591 1.0 pAL, gray 1050 15-04 4.53½ 1.49 7.61 2438 3.0 gal gray 1/20 1053 15.24 4.542 1.33 7.59 241.3 3.60 gal gray 1/20 1053 15.24 4.542 1.33 7.59 241.3 3.60 gal gray 1/20 1053 15.24 4.542 1.33 7.59 241.3 3.60 gal gray 1/20 1050 15-04 4.53½ 1.49 7.61 2438 3.0 gal gray 1/20 1053 15.24 4.542 1.33 7.59 241.3 3.60 gal gray 1/20 1053 15.24 4.542 1.33 7.59 241.3 3.60 gal gray 1/20 1050 15.04 1.542 1.38 7.59 241.3 3.60 gal gray 1/20 1051 15.04 1.542 1.38 7.59 241.3 3.60 gal gray 1/20 1052 15.04 1.542 1.38 7.59 241.3 3.60 gal gray 1/20 1053 15.04 1.542 1.38 7.59 241.3 3.60 gal gray 1/20 1053 15.04 1.542 1.38 7.59 241.3 3.60 gal gray 1/20 1054 15.04 1.542 1.38 7.59 241.3 3.60 gal gray 1/20 1054 15.04 15.05 1.05 1.05 1.05 1.05 1.05 1.05 1.0									
Sampling Method: Depth to Water (ft): Temp Conductivity DO ORP PURGED VOLUME Time (deg C) (µS) (mS) (mg/L) pH (mV) (gallons) Notes/Observations 1043 15.51 4.630 2.05 7.76 -2656 12 CALLER Life gray 1043 15.51 4.630 2.05 7.76 -2654 12 CALLER Life gray 1043 15.51 4.630 2.05 7.76 -2654 12 CALLER Life gray 1043 15.51 4.630 2.05 7.76 -2654 12 CALLER Life gray 1043 15.51 4.630 2.05 7.76 -2654 12 CALLER Life gray 1043 15.51 4.630 2.05 7.76 -2654 12 CALLER Life gray 1043 15.04 4.531 1.49 7.61 -2638 3.0 g gray 120 1050 15.04 4.531 1.49 7.61 -2638 3.0 g gray 120 1053 15.24 4.542 1.33 7.59 -2413 3.60 g gray 120 1053 15.24 4.542 1.33 7.59 -2413 3.60 g gray 1420 1053 15.24 4.542 1.33 7.59 -2413 3.60 g gray 1420 1050 15.04 1.542 1.35 7.59 -2413 3.60 g gray 1420 1053 15.04 1.551 1.49 7.61 2638 3.00 g gray 1420 1053 15.04 1.551 1.49 7.61 2638 3.00 g gray 1420 1053 15.04 1.551 1.49 7.61 2638 3.00 g gray 1420 1053 15.04 1.551 1.49 7.61 2638 3.00 g gray 1420 1054 15.04 1.551 1.49 7.61 2638 3.00 g gray 1420 1055 15.04 1.551 1.40 7.61 2638 3.00 g gray 1420 1064 164 164 164 164 164 164 164 164 164 1								(1053 Surple Tim	4
Depth to Water (ft):	1 '								₽
Depth to Water (ft): 19.03 Site Elevation (ft): Temp Conductivity DD ORP PURGED VOLUME (deg C) (µS) (mS) (mg/L) pH (mV) (gallons) Notes/Observations 1043 15.51 4.630 2.05 7.76 -266 12 Baller Life gray 1045 15.23 4.590 1.62 7.66 2541 10 gal. gray 1048 14.90 4.551 1.40 7.61 2438 3.0 gal gray 1/20 1050 15.04 4.536 1.49 7.61 2438 3.0 gal gray 1/20 1053 15.24 4.542 1.33 7.59 2413 3.60 gal gray 1/20 1053 15.24 4.542 1.33 7.59 2413 3.60 gal gray 1/20 1050 15.06 4.512 1.38 7.59 2413 3.60 gal gray 1/20 1051 15.06 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50			BAILER						4
Temp Conductivity DO ORP PURGED VOLUME Time (deg C) (µS) (mS) (mg/L) pH (mV) (gallons) Notes/Observations 1043 15.51 4.430 2.05 7.76 -264 12 Bales Life gray 1045 15.23 4.590 1.62 7.66 254.1 10 gal., gray 1048 1496 4.551 (.40 7.62 -2472 2.0 gal.) 7rm 120 5hight 5 1050 15.04 4.534 1.49 7.61 2438 3.0 gal. gray 120 1053 15.24 4.542 1.33 7.59 .241.3 3.100 gal. gray 120 1053 15.24 4.542 1.33 7.59 .241.3 3.100 gal. gray 120 1050 15.06 12.64 1.542 1.38 7.59 .241.3 3.100 gal. gray 120 1051 15.24 1.542 1.38 7.59 .241.3 3.100 gal. gray 120 1052 15.24 1.542 1.38 7.59 .241.3 3.100 gal. gray 120 1053 15.24 1.542 1.38 7.59 .241.3 3.100 gal. gray 120 1054 15.25 1.4542 1.38 7.59 .241.3 3.100 gal. gray 120 1055 15.26 12.5									-
Time (deg C) (µS) (mS) (mg/L) pH (mV) (gallons) Notes/Observations 1043 15.51 4.630 2.05 7.76 -266 12 BAILER Life gray 1045 15.23 4.590 1.62 7.66 2541 10 gal. gray 1048 14916 4551 1.40 7.62 -2472 2.0 gal. 7.74 1420 5hight 8 1050 15.04 4.531 1.49 7.61 -2438 3.0 gal gray 1/20 1053 15.24 4.542 1.33 7.59 -2413 3.60 gal gray 1) sheen Hze 1053 15.24 4.542 1.33 7.59 -2413 3.60 gal gray 1) sheen Hze Disposal of Purged Water: INTO 55 gal. drum (steel) delivered to Lanceaux Chain of Custody Record Complete? (V/N) Y Analytical Laboratory: HALL ENVIRONENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI: PRODUCT PROBE: BAILER WI SLOW FLOW; 3 Revered to; 3 voas; UTILITY KNIFE; 25 of TWINE; 55 gal. Drum Other Notes/Comments 7.30 Hzo Column 1/20 gray, Sulfan oder, Slight School	Deptit to 1	T	1	DO	Jile	T			
Disposal of Purged Water: INTO SS GAL. drum (See) delivered to LANDFARM Chain of Custody Record Complete? (VIN) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 Have Column Hze of Spal. Drum Other Notes/Comments 7.30 Hze column Hze of Spal. Spal. Spal. Drum 1.52	Time	1			pH		(gallons)	Notes/Observations	
Disposal of Purged Water: INTO 95 gAl. drum (See) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIRONMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER W SLOW FLOW; 3 H20 gard, Jrw, Superior Complete To LANDFARM Chain of Custody Record Complete? (Y/N) Y Analytical Laboratory: HALL ENVIRONMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER W SLOW FLOW; 3 RUCLETS; 3 VOAS; UTILITY KNIFE; 25 of TWINE; 55 gal. DRum Other Notes/Comments 7.20 H20 Column H20 gray, Suffice odor, Slight set sheen	1043	7			7.76				1
Disposal of Purged Water: INTO STOPH. drum (See) delivered to LANDFARM Chain of Custody Record Complete? (YIN) Analytical Laboratory: HALL ENVIRONENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW: 3 ENVIRONE SLOW FLOW: The proper of the proper of the property of the pro	1045	15.23						1	
Disposal of Purged Water: INTO SS GAL. drum (See) delivered to LANDFARM Chain of Custody Record Complete? (YM) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ENCLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. Drum Other Notes/Comments 7.30 Hzv column 120, gray, Suffer odor, Slight Schen	1048		4.551	ر,۲ ب			<i> </i>	gray Hzo Stright	Sher
Analytical Parameters Sampled For (include Method #): 8021 B BTEX Disposal of Purged Water: INTO 55 gal. drum (Seel) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Y Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 BUCKETS; 3 VOAS; UTILITY KNIFE; 25 of TWINE; 55 gal. DRUM Other Notes/Comments 7.30 H20 column 1/20, gray, Sulfur odor, Slight Selson	1050		4.536	1.49	7.61	-2438	3,0 g ul	gay 1/20	
Analytical Parameters Sampled For (include Method #): 8021 B BTEX Disposal of Purged Water: INTO 55 gal. drum (Seel) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Y Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 BUCKETS; 3 VOAS; UTILITY KNIFE; 25 of TWINE; 55 gal. DRUM Other Notes/Comments 7.30 H20 column 1/20, gray, Sulfur odor, Slight Selson	1053	15.24	4.542	1.33	7.59	-241.3	3.100 gal	gray/shein Hzo	
Disposal of Purged Water: INTO SSGAL drum (Seel) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ROWLLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 H20 Column 120, gray, Sulfur odor, Slight selshon							·	, , ,	
Disposal of Purged Water: INTO SSGAL drum (See) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ROWLLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 H20 Column 120, gray, Sulfur odor, Slight salshon							THE STREET S		
Disposal of Purged Water: INTO SSGAL drum (See) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ROWLLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 Hzv Column Hzv, gray, Sulfur odor, Slight selshon			- 1				- MARINE COMPANY		
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Disposal of Purged Water: INTO SSGAL drum (See) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ROWLLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 Hzv Column Hzv, gray, Sulfur odor, Slight selshon									
Disposal of Purged Water: INTO SSGAL drum (See) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ROWLLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 Hzv Column Hzv, gray, Sulfur odor, Slight selshon				mind William			A AMERICA MANAGEMENT OF THE PROPERTY OF THE PR		
Disposal of Purged Water: INTO SSGAL drum (See) delivered to LANDFARM Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE: BAILER WI SLOW FLOW; 3 ROWLLETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 H20 Column 120, gray, Sulfur odor, Slight salshon					<u></u>				
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Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIRONENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 ROUGHETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRUM Other Notes/Comments 7.30 H20 Column H20, gray, Sulfur odor, Slight Schen	Analytical I	Parameters	Sampled For (in	nclude Mei	thod #):	<u>%</u>	21 B BTEX		
Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIRONENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 ROUCKETS; 3 VOAS; UTILITY KNIFE; 25' oF TWINE; 55 gal. DRUM Other Notes/Comments 7.30 H20 column 120, gray, Sulfur odor, Slight Scheen					HIII, IV.				
Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIRONENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 ROUCKETS; 3 VOAS; UTILITY KNIFE; 25' oF TWINE; 55 gal. DRUM Other Notes/Comments 7.30 H20 column 120, gray, Sulfur odor, Slight Scheen									
Chain of Custody Record Complete? (Y/N) Analytical Laboratory: HALL ENVIRONENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 ROUCKETS; 3 VOAS; UTILITY KNIFE; 25' oF TWINE; 55 gal. DRUM Other Notes/Comments 7.30 H20 column 120, gray, Sulfur odor, Slight Scheen	Dianassi -	Considerate SAC	show from the	5 74 1	/-	11	del	0540	
Analytical Laboratory: HALL ENVIROMENTAL ANALYTICAL LAB Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 H20 Column H20, gray, Sulfur odor, Slight & shear					rum (s	ree) (MELIVERED TO LAN	U-ARM	
Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER WI SLOW FLOW; 3 BUCKETS; 3 VOAS; UTILITY KNIFE; 25 of TWINE; 55 gal. DRIUM Other Notes/Comments 7.30 H20 Column H20, gray, Sulfur odor, Slight on shear					AFAITA.	Aata	Wind IAR	1 - 6-9	
Other Notes/Comments 7.30 Hzo column Hzo, gray, sulfur odor, slight sistem								CIALLY TO COLL	
Other Notes/Comments 7.30 Hzo column Hzo, gray, sulfur odor, slight sistem	3 80	CKETS;	3 VOAS ; U	TILITY	KNIFE	= ; 25'	OF TWINE; 55	gal. DRum	
7.30 Hzv column Hzv, gray, sulfur odor, slight steam			-	,			, 30	9	
				Hzo a	r Au '	Sulfun	odoe stable	Show	
				19			, 211911		
3.57 purged		•							
		- F	1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	4		

Water S	ampling F	Record		Animas Environmental Services							
Monitor V	Vell No: M	w-8		624 E. Comanche, ffarmington NM 87401							
					Tel. (50	5) 564-2281 Fax (505)	324-2022				
		er Sampling	3		Proje	ct No.:	A				
Site:	ENTERPE	45E		-		Date: 9.7.20	13				
Location:	LATERA	L 6-C		-		Time: <u>1105</u>	U120 Sample Time				
	L. come	SNE		- 4:		eather: HoT					
Sampling Depth of \	Method:	BAILER 25.24		-	Air Temperature: Well Diam. (in.):						
	Water (ft):	14.96		Site Elevation (ft):							
Deptil to	Temp	Conductivity	DO		ORP PURGED VOLUME						
Time	(deg C)	(µS) (mS)	(mg/L)	рН	(mV)	(gallons)	Notes/Observations				
1609	16.20	4.011	2.42	7.99	-88.9	1st 132.1512	Creek				
1111	1601	4.015	17.12	7.86	- 94.9	1.0 gal	gray				
1113	16.23	4.015	0.79	7.76	-1066	Z.o gal	gRAY				
ШЬ	16.19	4.019	6.74	7.68	-1/1.1	3.0 Jul	gray				
1118	16:10	4.032	0.84	7.64	- 113.0	4.0 gal 5.0 gal	92×4				
1120	16.16	4.048	1.30	7.57	- Ille.]	5.05-2	gray				
		i mana a garanta da santa da			i						
							4.				
	1										
Analytical	Parameters	Sampled For (i	nclude Met	hod #):	% 0:	21 B BTEX					
Disposal o	f Purged Wa	ter: INTO S	5gal. d	rum (s	teel) o	delivered to LANI	OFARM				
Chain of Co	ustody Reco	rd Complete?	Y/N) Y								
	Laboratory:					LYTICAL LAB					
Equipment	Used During						SLOW FLOW;				
3 BU	KKETS;	3 VOAS ; V	TILITY	KNIFE	; 25'	of TWINE; 55	gal. DRum				
Other Note:	s/Comments	S									
10.30	N C	Sary	1/20,	sligh	dor No	Sheen					
	volume		,								
5.00	purged										

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Water S	ampling F	Record		Animas Environmental Services							
Monitor V	Vell No: M	w-9			.624 E. Comanche. Farmington NM 87401						
					· · · · · · · · · · · · · · · · · · ·	5) 564-2281 Fax (505)	324-2022				
		ER SAMPLING	1		Proje	ct No.:					
Site:	ENTERPE	455		-		Date: 4.7.201					
Sampler:	LATERA	1 6 0		-i.	Time: 1129 1148 SAMPLE TIME						
Sampling	Method:	BAILER		Δί	Weather: HoT Air Temperature:						
Depth of		Ug. 2le			Well Diam. (in.): 2						
	Water (ft):	17.55	<u></u>	<u>~</u> '	Site Elevation (ft):						
	Temp	Conductivity	DO		ORP	PURGED VOLUME					
Time	(deg C)	(µS) (mS)	(mg/L)	pН	(mV)	(gallons)	Notes/Obse	ervations			
1134	15.46	4.674	2.78	7.68	45.9	1st Bailer	Hear	. Hzo			
1137	15.36	4.531	1.33	7.54	-363		Clear	120			
1139	14.98	4.506	1.46	7.52	-27.7	2.09el	clear	_ H20			
1144	15.65	4.52le	1.43	7.44	-25.1	3.0 gal	clear	HZO			
IN8	15.61	4.583	1.48	7.45	-19.5	4.25gal	clean	-H20			
						2					
Analytical	Parameters	Sampled For (in	nclude Met	thod #):	% 0	21 B BTEX					
		ater: INTO S ord Complete? (rum (s	teel)	delivered to land	OFARM	17 Table 1 Tab			
	Laboratory:					LYTICAL LAB					
Equipment	Used Durin	g Sampling: Y	51; P	20DUCT	PROB	E; BAILER WI OF TUINE; 55	SLOW FLO	i inc			
			TILITY	KNIFE	= 3 25'	OF TUINE; 55	gal. DR	um			
	s/Comment			·····				46			
3.71	Hzo colu	m) t	to "cle	ear" c	25 17	like fan "RIVE R, no sheer	R CULOR				
	<i>yolume</i>		Mean.	No	odo	R, no sheer	1				
4.26	1 purged			·			··········				
		· ·			i						



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

September 17, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072

FAX

RE: Lateral 6-C OrderNo.: 1209283

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 9 sample(s) on 9/8/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Lateral 6-C

Lab ID:

1209283-001

Client Sample ID: MW-1

Collection Date: 9/7/2012 8:12:00 AM

Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	2200	50	μg/L	50	9/12/2012 1:01:32 PM
Toluene	350	50	μg/L	50	9/12/2012 1:01:32 PM
Ethylbenzene	68	50	μg/L	50	9/12/2012 1:01:32 PM
Xylenes, Total	650	100	μg/L	50	9/12/2012 1:01:32 PM
Surr: 4-Bromofluorobenzene	101	69.7-152	%REC	50	9/12/2012 1:01:32 PM

Matrix: AQUEOUS

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Lateral 6-C

Lab ID: 1209283-002

Client Sample ID: MW-2

Collection Date: 9/7/2012 8:39:00 AM

Received Date: 9/8/2012 11:15:00 AM

Analyses	Result RL Qual U		al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	270	20	μg/L	20	9/12/2012 1:31:43 PM
Toluene	1100	20	μg/L	20	9/12/2012 1:31:43 PM
Ethylbenzene	66	20	μg/L	20	9/12/2012 1:31:43 PM
Xylenes, Total	1800	40	μg/L	20	9/12/2012 1:31:43 PM
Surr: 4-Bromofluorobenzene	108	69.7-152	%REC	20	9/12/2012 1:31:43 PM

Matrix: AQUEOUS

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-3 Project: Lateral 6-C **Collection Date:** 9/7/2012 9:13:00 AM

Matrix: AQUEOUS

1209283-003 Lab ID:

Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	2.0	μg/L	2	9/12/2012 5:16:12 PM
Toluene	ND	2.0	μg/L	2	9/12/2012 5:16:12 PM
Ethylbenzene	ND	2.0	μg/L	2	9/12/2012 5:16:12 PM
Xylenes, Total	ND	4.0	μg/L	2	9/12/2012 5:16:12 PM
Surr: 4-Bromofluorobenzene	107	69.7-152	%REC	2	9/12/2012 5:16:12 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Page 3 of 12

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-4

Project: Lateral 6-C

Collection Date: 9/7/2012 9:37:00 AM

Lab ID: 1209283-004

Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	18	2.0	μg/L	2	9/12/2012 5:46:35 PM
Toluene	5.1	2.0	μg/L	2	9/12/2012 5:46:35 PM
Ethylbenzene	ND	2.0	μg/L	2	9/12/2012 5:46:35 PM
Xylenes, Total	ND	4.0	μg/L	2	9/12/2012 5:46:35 PM
Surr: 4-Bromofluorobenzene	88.2	69.7-152	%REC	2	9/12/2012 5:46:35 PM

Matrix: AQUEOUS

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Lateral 6-C 1209283-005

Lab ID:

Matrix: AQUEOUS

Client Sample ID: MW-5

Collection Date: 9/7/2012 9:53:00 AM Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	2.0	μg/L	2	9/12/2012 3:07:13 AM
Toluene	ND	2.0	μg/L	2	9/12/2012 3:07:13 AM
Ethylbenzene	ND	2.0	μg/L	2	9/12/2012 3:07:13 AM
Xylenes, Total	ND	4.0	μg/L	2	9/12/2012 3:07:13 AM
Surr: 4-Bromofluorobenzene	88.2	69 7-152	%REC	2	9/12/2012 3:07:13 AM

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - RL Reporting Detection Limit

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Lateral 6-C

Lab ID: 1209283-006

Client Sample ID: MW-6

Collection Date: 9/7/2012 10:21:00 AM

Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL Qual Units		DF	Date Analyzed Analyst: NSB
EPA METHOD 8021B: VOLATILES					
Benzene	ND	5.0	μg/L	5	9/12/2012 6:16:54 PM
Toluene	ND	5.0	μg/L	5	9/12/2012 6:16:54 PM
Ethylbenzene	260	5.0	μg/L	5	9/12/2012 6:16:54 PM
Xylenes, Total	2200	100	μg/L	50	9/12/2012 6:47:06 PM
Surr: 4-Bromofluorobenzene	120	69.7-152	%REC	5	9/12/2012 6:16:54 PM

Matrix: AQUEOUS

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-7

Project: Lateral 6-C

Collection Date: 9/7/2012 10:53:00 AM

Lab ID: 1209283-007 Matrix: AQUEOUS Received Date: 9/8/2012 11:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	2.0	μg/L	2	9/13/2012 2:12:57 PM
Toluene	ND	2.0	μg/L	2	9/13/2012 2:12:57 PM
Ethylbenzene	ND	2.0	μg/L	2	9/13/2012 2:12:57 PM
Xylenes, Total	ND	4.0	μg/L	2	9/13/2012 2:12:57 PM
Surr: 4-Bromofluorobenzene	116	69.7-152	%REC	2	9/13/2012 2:12:57 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Page 7 of 12

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-8

 Project:
 Lateral 6-C
 Collection Date: 9/7/2012 11:20:00 AM

 Lab ID:
 1209283-008
 Matrix: AQUEOUS
 Received Date: 9/8/2012 11:15:00 AM

DF Date Analyzed Result **RL Qual Units Analyses** Analyst: NSB **EPA METHOD 8021B: VOLATILES** 2.0 μg/L 2 9/12/2012 11:49:13 PM Benzene 41 2 9/12/2012 11:49:13 PM Toluene 40 2.0 μg/L 2 9/12/2012 11:49:13 PM Ethylbenzene 3.8 2.0 μg/L 2 9/12/2012 11:49:13 PM Xylenes, Total 320 4.0 μg/L Surr: 4-Bromofluorobenzene 111 69.7-152 %REC 2 9/12/2012 11:49:13 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Page 8 of 12

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: MW-9

 Project:
 Lateral 6-C
 Collection Date: 9/7/2012 11:48:00 AM

 Lab ID:
 1209283-009
 Matrix: AQUEOUS
 Received Date: 9/8/2012 11:15:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 8021B: VOLATILES** Analyst: NSB ND 2.0 2 μg/L 9/13/2012 12:19:23 AM Toluene 2.4 2.0 μg/L 2 9/13/2012 12:19:23 AM Ethylbenzene ND 2.0 μg/L 2 9/13/2012 12:19:23 AM Xylenes, Total ND 4.0 μg/L 2 9/13/2012 12:19:23 AM Surr: 4-Bromofluorobenzene 112 69.7-152 %REC 2 9/13/2012 12:19:23 AM

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

Page 9 of 12

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1209283 17-Sep-12

Client:

Animas Environmental Services

Project:

Lateral 6-C

Sample ID 5ML RB

SampType: MBLK Batch ID: R5455 TestCode: EPA Method 8015B: Gasoline Range

RunNo: 5455

Client ID: Prep Date:

Analysis Date: 9/11/2012

SeqNo: 155853

Units: %REC

Analyte Surr: BFB Result PQL

20.00

84.3

HighLimit

119

RPDLimit

Qual

Sample ID 2.5UG GRO LCS

PBW

Client ID: LCSW SampType: LCS Batch ID: R5455

RunNo: 5455

LowLimit

69.8

TestCode: EPA Method 8015B: Gasoline Range

Prep Date:

Analysis Date: 9/11/2012

SeqNo: 155854

Units: %REC

Analyte Surr: BFB Result

SPK value SPK Ref Val

%REC LowLimit

HighLimit

RPDLimit

Qual

Sample ID 5ML RB

SampType: MBLK

SPK value SPK Ref Val %REC

RunNo: 5492

TestCode: EPA Method 8015B: Gasoline Range

Client ID: PBW

Batch ID: R5492 Analysis Date: 9/12/2012

PQL

PQL

SeqNo: 156953

Units: %REC

%RPD

%RPD

%RPD

Analyte Surr: BFB

Prep Date:

Result 17 SPK value SPK Ref Val 20.00

%REC 85.8

HighLimit 119 **RPDLimit**

Qual

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015B: Gasoline Range

Client ID: LCSW

Batch ID: R5492

RunNo: 5492

LowLimit

69.8

Units: %REC

Prep Date:

Analysis Date: 9/12/2012

SeqNo: 156954

Analyte

Result

SPK value SPK Ref Val

%REC

LowLimit HighLimit

Surr: BFB

Client ID:

Prep Date:

Analyte

18

20.00

88.0

69.8

%RPD **RPDLimit**

Qual

Sample ID 5ML RB

SampType: MBLK

TestCode: EPA Method 8015B: Gasoline Range

SeqNo: 158006

Batch ID: R5522

Analysis Date: 9/13/2012

20.00

SPK value SPK Ref Val

RunNo: 5522

%REC

91.2

Units: %REC

%RPD

RPDLimit

RPDLimit

Qual

Surr: BFB Sample ID 2.5UG GRO LCS

Client ID: LCSW

PBW

SampType: LCS Batch ID: R5522

Analysis Date: 9/13/2012

PQL

TestCode: EPA Method 8015B: Gasoline Range RunNo: 5522

96.2

69.8

69.8

LowLimit

HighLimit

119

119

Qual

Prep Date:

Result

Result

18

SPK value SPK Ref Val

SeqNo: 158007

Units: %REC

Analyte Surr: BFB

19

20.00

%REC LowLimit

HighLimit

%RPD

Qualifiers: Value exceeds Maximum Contaminant Level

F Value above quantitation range

Analyte detected below quantitation limits

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

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R RPD outside accepted recovery limits

Reporting Detection Limit RL