

3R-438

**Groundwater
Investigation
Report**

**Date:
10/31/2012**



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3274

Prepared for:

Jonathan Kelly
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

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

Groundwater Investigation
Report
Enterprise Products Company
Lateral 6C September 2011
Pipeline Release
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 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:
Animas Environmental Services, LLC
624 E. Comanche
Farmington, New Mexico 87401

District Copy
For Scanning Only
Has NOT been processed.

Contents

1.0	Introduction	1
1.1	Site Location and NMOCD Ranking	1
1.2	Initial Release Assessment and Investigation	2
1.2.1	Release Assessment, October 2011.....	2
1.2.2	Site Investigation, November 2011	3
2.0	Groundwater Investigation – August and September 2012.....	3
2.1	Pre-Field Coordination and Job Safety Analysis	4
2.2	Installation of Soil Borings	4
2.2.1	Drilling Methods	4
2.2.2	Soil Sample Collection.....	4
2.2.3	Soil Field Screening	4
2.2.4	Soil Lithology.....	5
2.3	Groundwater Monitor Well Installation.....	5
2.3.1	Groundwater Monitor Well Installation and Construction	5
2.3.2	Groundwater Monitor Well Development	5
2.3.3	Professional Survey.....	5
2.4	Groundwater Monitoring and Sampling	6
2.5	Soil and Groundwater Laboratory Analyses.....	6
2.6	Soil Field Screening and Laboratory Analytical Results	6
2.7	Groundwater Field Measurements and Laboratory Analytical Results	6
3.0	Conclusions and Recommendations.....	7
4.0	Certification	8
5.0	References	9

Figures

Figure 1.	Topographic Site Location Map
Figure 2.	Aerial Site Map
Figure 3.	Soil Analytical Results, August 2012
Figure 4.	Groundwater Elevation Contours, September 2012
Figure 5.	Groundwater Contaminant Concentrations, September 2012
Figure 6.	Dissolved Benzene Concentration Contours, September 2012
Figure 7.	Dissolved Toluene Concentration Contours, September 2012
Figure 8.	Dissolved Xylene Concentration Contours, September 2012

Tables

Table 1.	Summary of Soil Field Screening and Laboratory Analytical Results
Table 2.	Summary of Groundwater Measurements and Water Quality Data
Table 3.	Summary of Groundwater Laboratory Analytical Results

Appendices

- Appendix A. Soil Boring Logs
- Appendix B. Disposal Documents and Monitor Well Development Form
- Appendix C. Soil Laboratory Analytical Reports (Hall 1208975 and 1208B01)
- Appendix D. Groundwater Sampling Form, Laboratory Analytical Reports (Hall 1209283)

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 6C pipeline 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 NE $\frac{1}{4}$ SW $\frac{1}{4}$, 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 µg/L benzene, 15,000 µg/L toluene, and 6,700 µg/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 µg/L benzene, 5,700 µg/L toluene, and 4,000 µg/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 µg/L in MW-1 (2,200 µg/L), MW-2 (270 µg/L), MW-4 (18 µg/L), and MW-8 (41 µg/L). Dissolved phase toluene concentrations above the WQCC standard of 750 µg/L were reported in MW-2 (1,100 µg/L), and ethylbenzene concentrations were below the WQCC standard of 750 µg/L in all wells. Dissolved phase xylene concentrations above the WQCC standard of 620 µg/L in three wells, including MW-1 (650 µg/L), MW-2 (1,800 µg/L), and MW-6 (2,200 µg/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

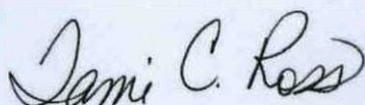
AES completed an additional site investigation in August and September 2012. During the investigation, soil field screening of VOCs by OVM showed concentrations above the NMOCD action level of 100 ppm in MW-1 at 10 feet bgs (190 ppm), MW-2 at 5 feet bgs (108 ppm), MW-8 at 5 feet bgs (219 ppm), and MW-8 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 µg/L for benzene in MW-1 (2,200 µg/L), MW-2 (270 µg/L), MW-4 (18 µg/L), and MW-8 (41 µg/L). Additionally, dissolved phase toluene above the WQCC standard of 750 µg/L was reported in MW-2 with 1,100 µg/L, and xylene above the WQCC standard of 620 µg/L was reported in MW-1 (650 µg/L), MW-2 (1,800 µg/L), and MW-6 (2,200 µg/L).

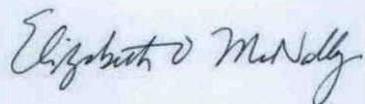
Based on laboratory analytical results from the August and September 2012 investigation, groundwater continues to be impacted above WQCC standards in the vicinity of the September 2011 release. Additionally, the lateral extent of the dissolved phase benzene has not been fully defined in the downgradient 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 Investigation Report, 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.



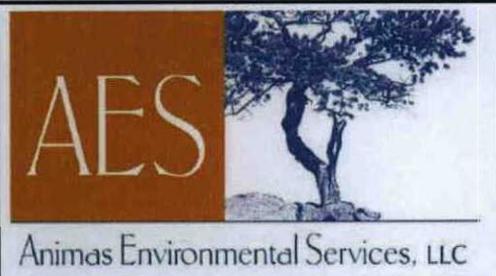
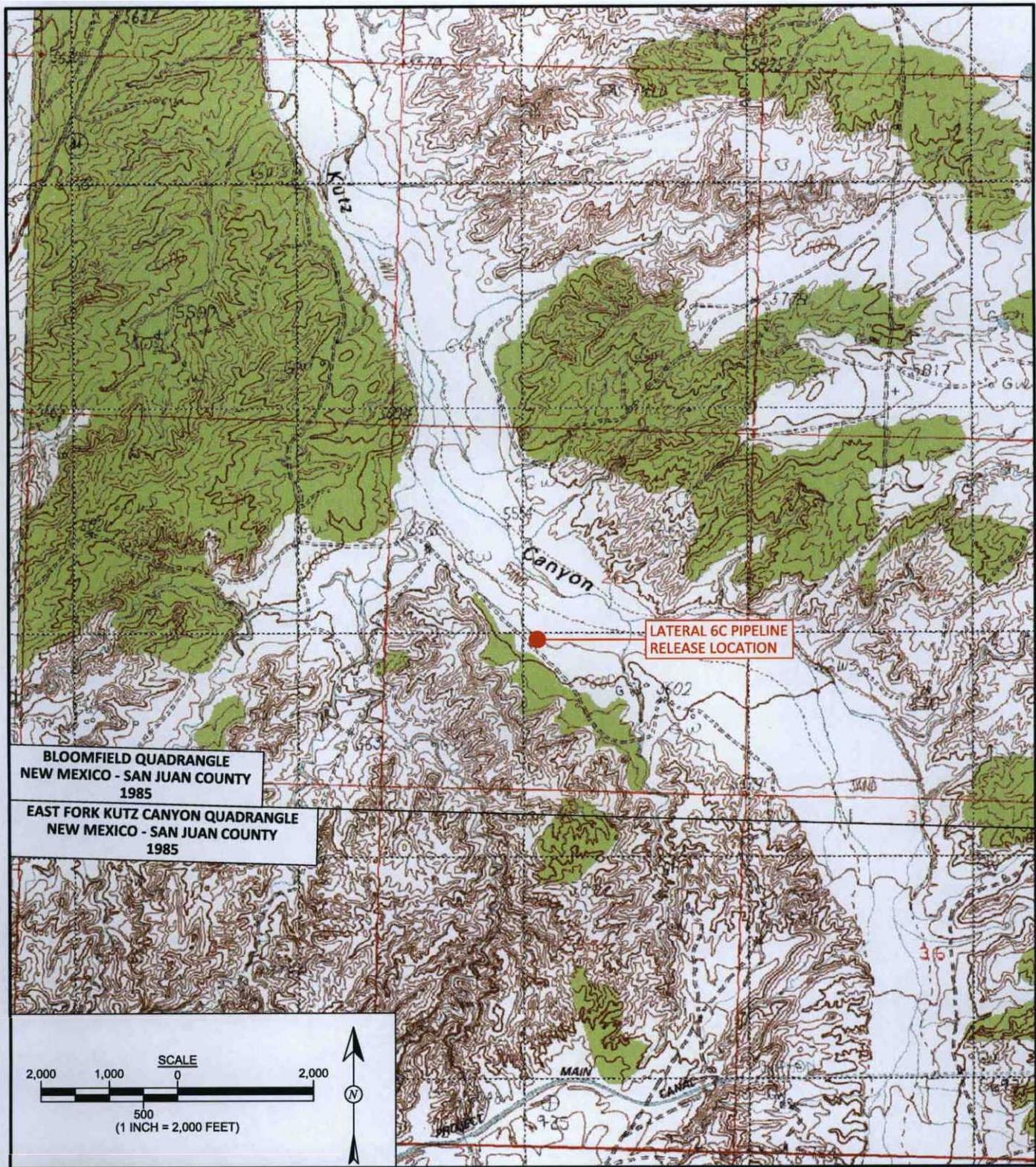
Tami C. Ross, CHMM
Project Manager



Elizabeth McNally, P.E.
Principal

5.0 References

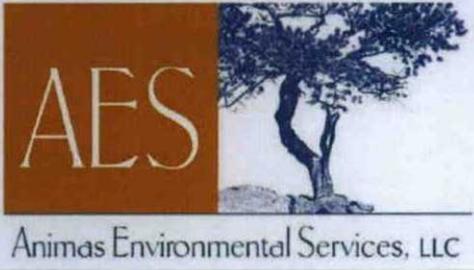
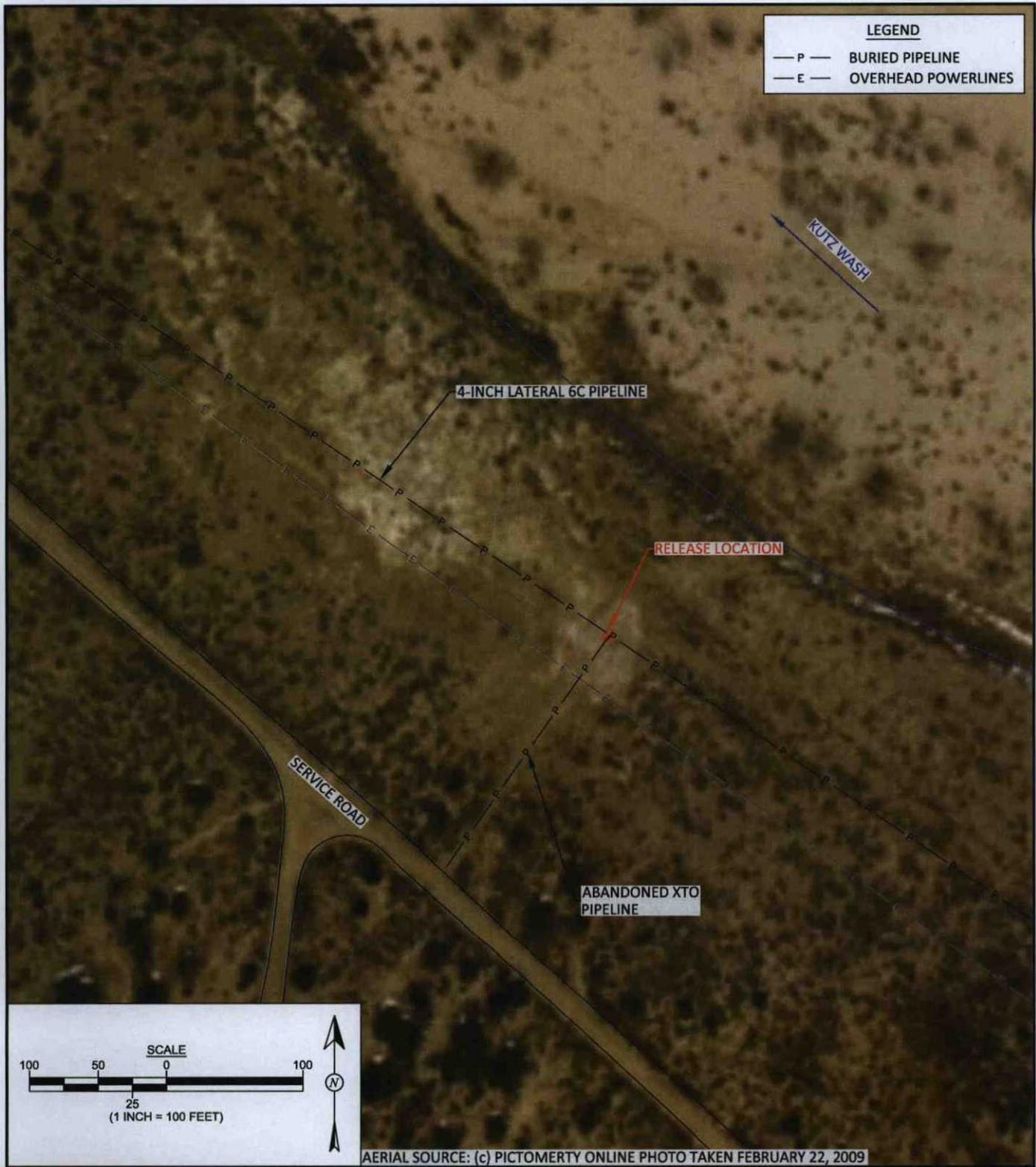
- American Society for Testing and Materials (ASTM) International. *D5730 Guide for Site Characterization for Environmental Purposes with Emphasis on Soil, Rock, the Vadose Zone and Groundwater*.
- ASTM International. ASTM D5092 - 04(2010)e1. *Standard Practice for Design and Installation of Groundwater Monitoring Wells*, 2010.
- Animas Environmental Services, LLC (AES). *Enterprise Lateral 6C Letter Report, October 28, 2011*
- AES. *Enterprise Lateral 6C Site Investigation Report*, February 20, 2012.
- AES. *Groundwater Investigation Work Plan for the Lateral 6C September 2011 Pipeline Release*, August 3, 2012. New Mexico Oil Conservation Division. *Guidelines for Remediation of Leaks, Spills, and Releases. August 13, 1993*.
- U.S. Department of Interior (USDI) Bureau of Land Management. 2008. *Natural Resource Damage Assessment and Restoration Handbook*. Release 1-1712. May, 2008.
- U.S. Environmental Protection Agency (USEPA). 1982. *Methods for Chemical Analysis for Water and Wastes*. Document EPA-600, July, 1982.
- USEPA. 1992. SW-846, 3rd Edition, *Test Methods for Evaluating Solid Waste: Physical Chemical Methods*, dated November, 1986, and as amended by Update One, July, 1992.
- USEPA. 1991. *Site Characterization for Subsurface Remediation*, EPA 625/4-91-026, November, 1991.
- USEPA. 2001. Contract Laboratory Program (CLP) Guidance for Field Samplers. OSWER 9240.0-35, EPA 540-R-00-003. June, 2001.



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

FIGURE 1

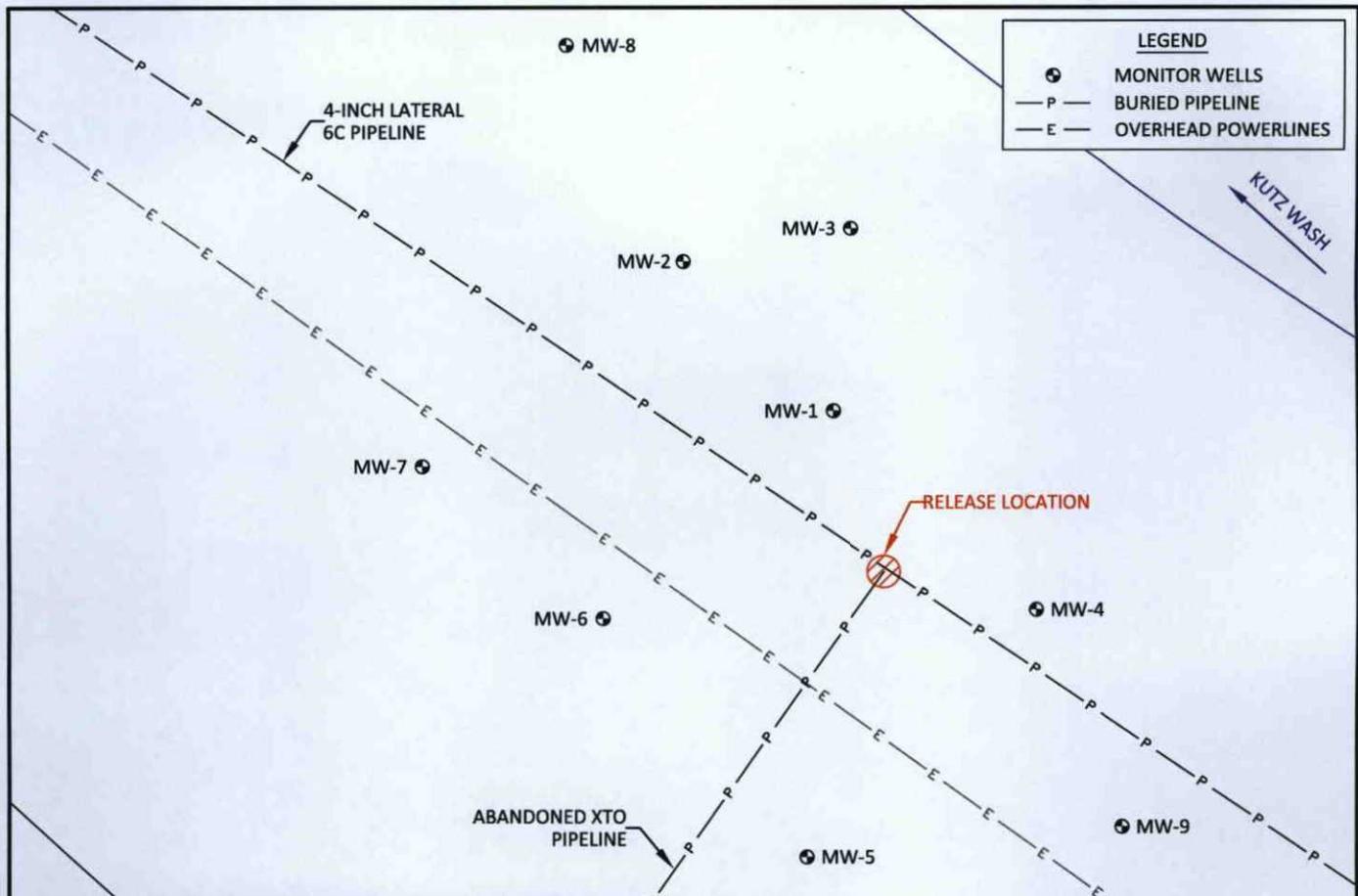
TOPOGRAPHIC SITE LOCATION MAP
 ENTERPRISE PRODUCTS COMPANY
 LATERAL 6C PIPELINE RELEASE
 GROUNDWATER INVESTIGATION
 SAN JUAN COUNTY, NEW MEXICO
 NE¼ SW¼, SECTION 26, T28N, R11W
 N36.63202, W107.97400



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

FIGURE 2

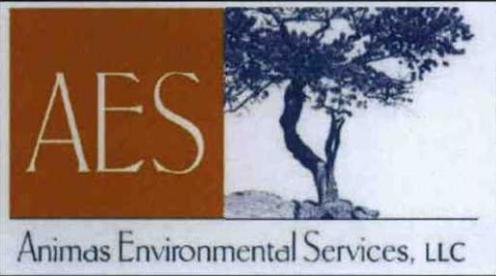
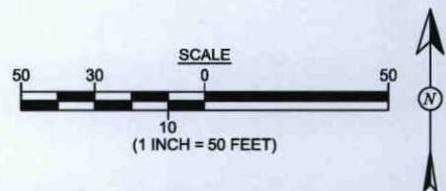
AERIAL SITE MAP
 ENTERPRISE PRODUCTS COMPANY
 LATERAL 6C PIPELINE RELEASE
 GROUNDWATER INVESTIGATION
 SAN JUAN COUNTY, NEW MEXICO
 NE¼ SW¼, SECTION 26, T28N, R11W
 N36.63202, W107.97400



Soil Field Screening and Laboratory Analytical Results

Sample ID	Date	Depth (ft)	OVM-PID (ppm)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
NMOC ACTION LEVELS			100	10	50	100	
MW-1	8/20/12	5 to 7	87.4	<0.049	<0.244	<4.9	<9.9
		10 to 12	190	<0.048	<0.241	<4.8	<9.9
MW-2	8/20/12	5 to 7	108	<0.048	<0.241	<4.8	<9.8
		10 to 12	87	<0.049	<0.244	<4.9	<10
MW-3	8/21/12	0 to 2	5.6	<0.050	<0.25	<5.0	<10
		10 to 12	2.9	<0.050	<0.249	<5.0	<9.8
MW-4	8/21/12	5 to 7	54.8	<0.050	<0.249	<5.0	<9.9
		10 to 12	58.2	<0.047	<0.235	<4.7	<9.8
MW-5	8/23/12	5 to 7	0.5	<0.048	<0.24	<4.8	<10
		10 to 12	0.9	<0.050	<0.25	<5.0	<9.9
MW-6	8/23/12	5 to 7	0.5	<0.050	<0.25	<5.0	<10
		10 to 12	0.6	<0.048	<0.24	<4.8	<9.9
MW-7	8/23/12	5 to 7	0.6	<0.048	<0.241	<4.8	<9.7
		10 to 12	0.5	<0.047	<0.235	<4.7	<9.8
MW-8	8/21/12	5 to 7	219	<0.046	<0.231	<4.6	<9.6
		10 to 12	144	<0.047	<0.236	<4.7	<10
MW-9	8/23/12	5 to 7	0.3	<0.048	<0.24	<4.8	<9.6
		10 to 12	0.4	<0.047	<0.234	<4.7	<10

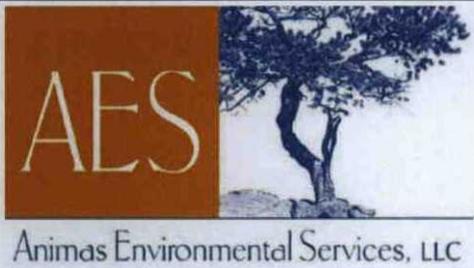
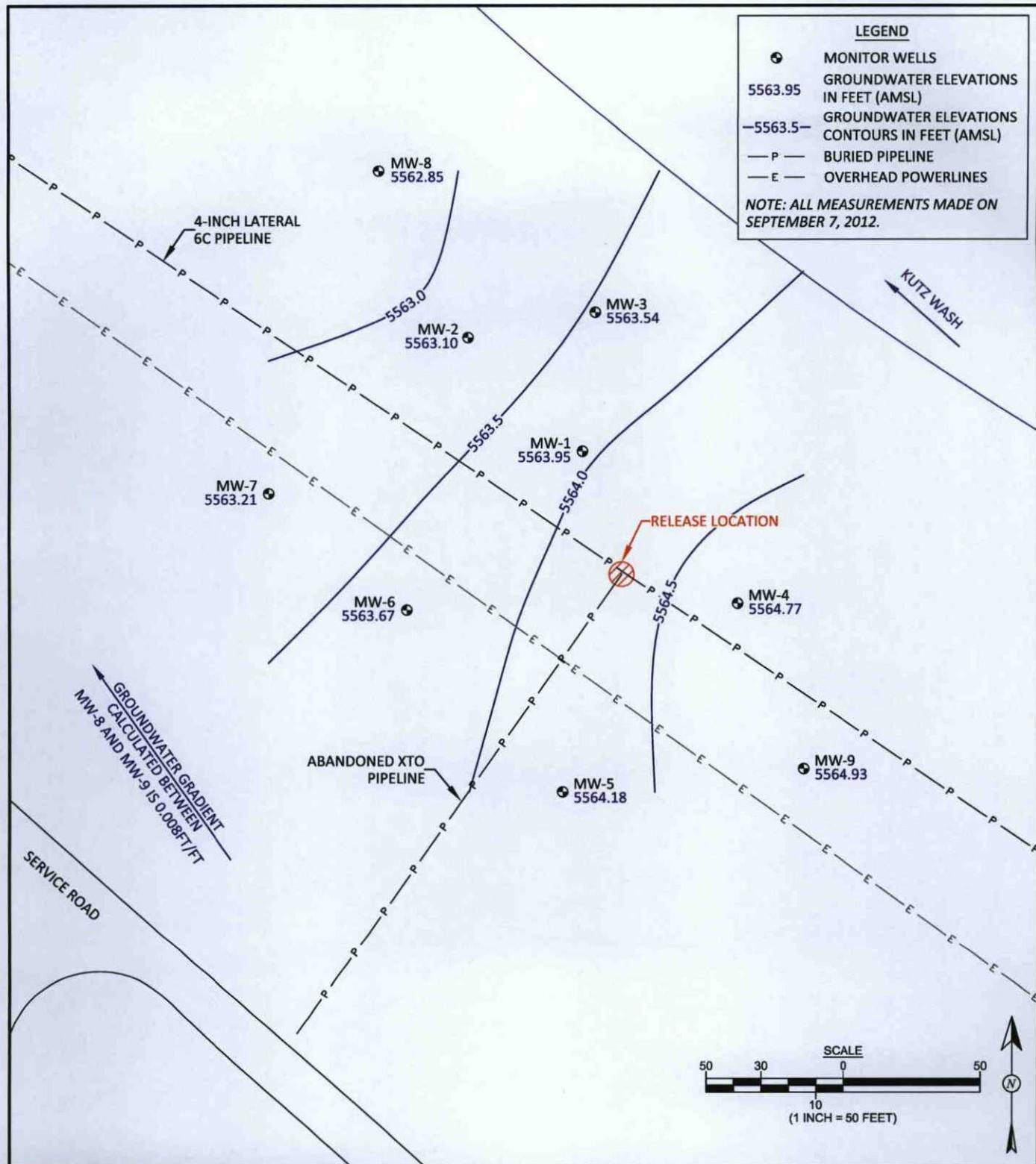
ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015B.



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

FIGURE 3

SOIL ANALYTICAL RESULTS
AUGUST 2012
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE RELEASE
GROUNDWATER INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE¼ SW¼, SECTION 26, T28N, R11W
N36.63202, W107.97400

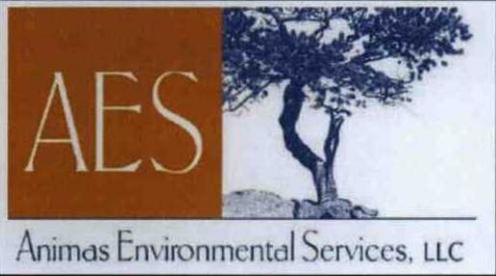
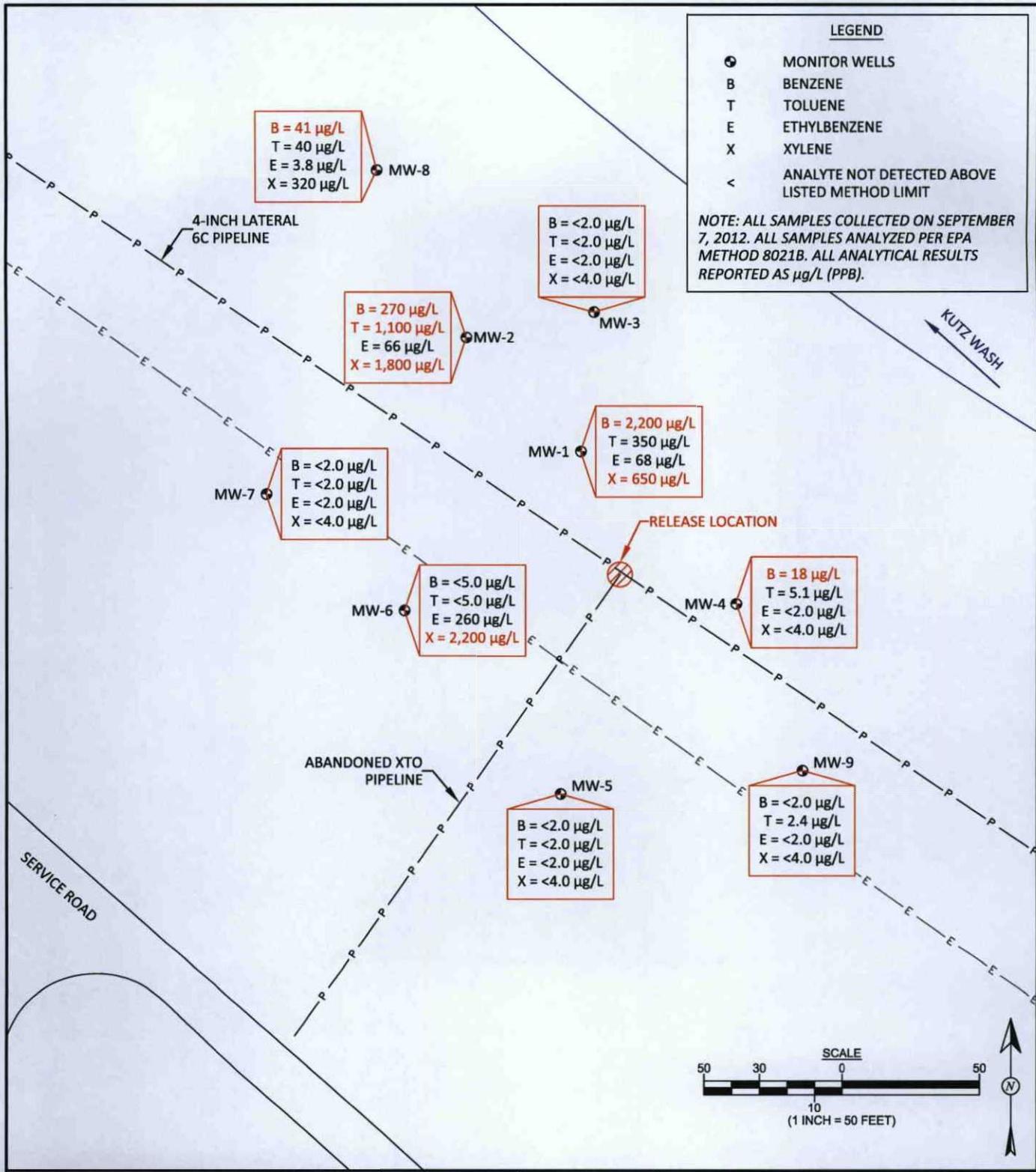


DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

FIGURE 4

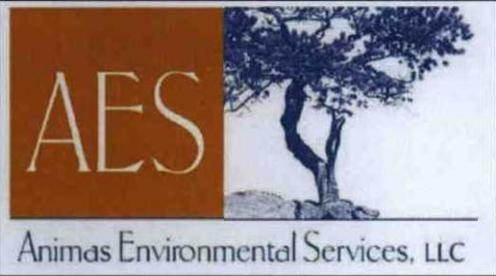
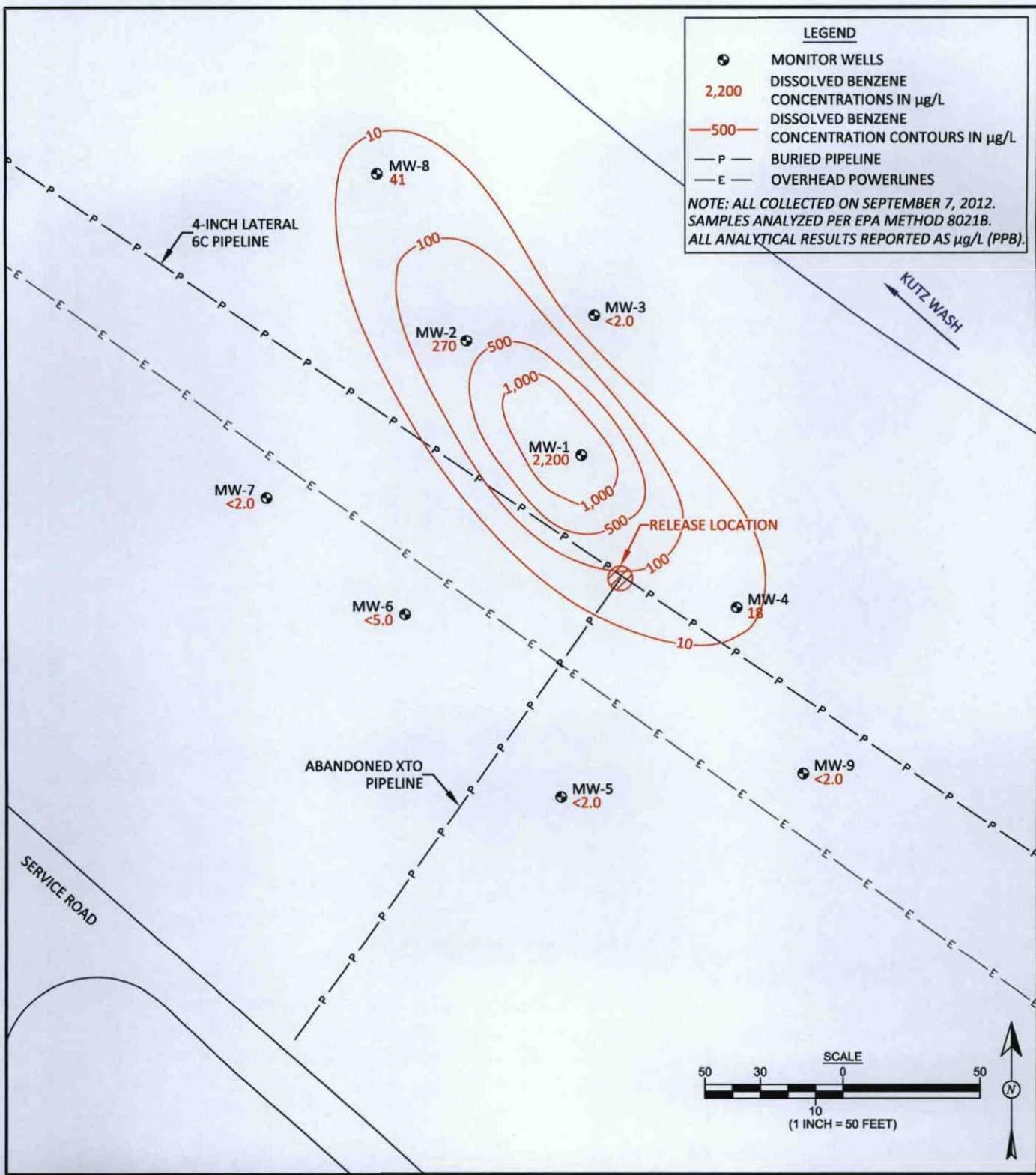
GROUNDWATER ELEVATION CONTOURS
SEPTEMBER 2012

ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE RELEASE
GROUNDWATER INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE¼ SW¼, SECTION 26, T28N, R11W
N36.63202, W107.97400



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

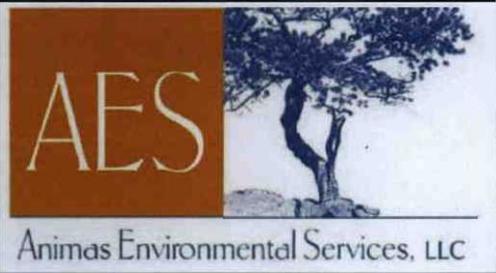
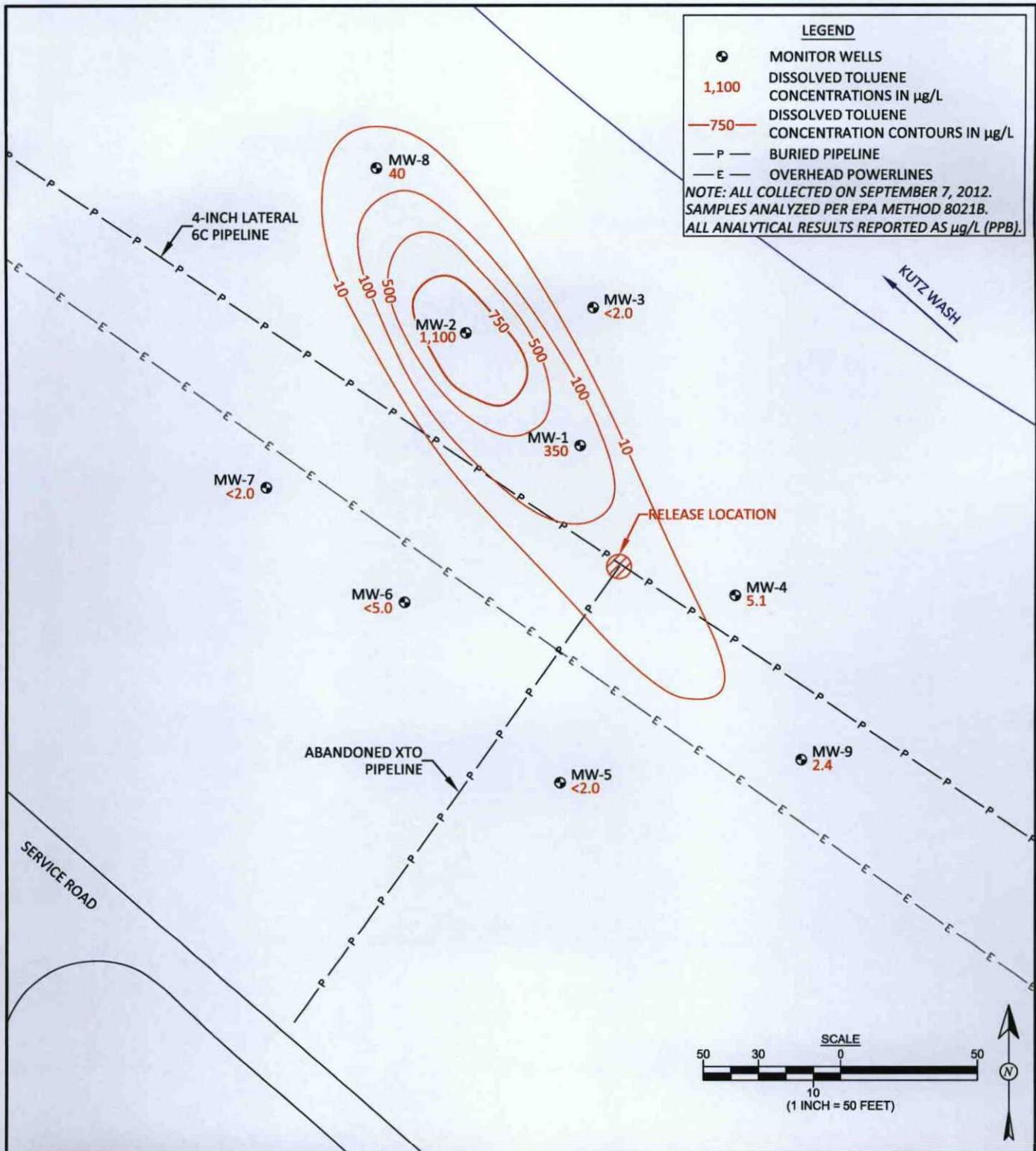
FIGURE 5
GROUNDWATER CONTAMINANT CONCENTRATIONS, SEPTEMBER 2012
 ENTERPRISE PRODUCTS COMPANY
 LATERAL 6C PIPELINE RELEASE
 GROUNDWATER INVESTIGATION
 SAN JUAN COUNTY, NEW MEXICO
 NE $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 26, T28N, R11W
 N36.63202, W107.97400



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

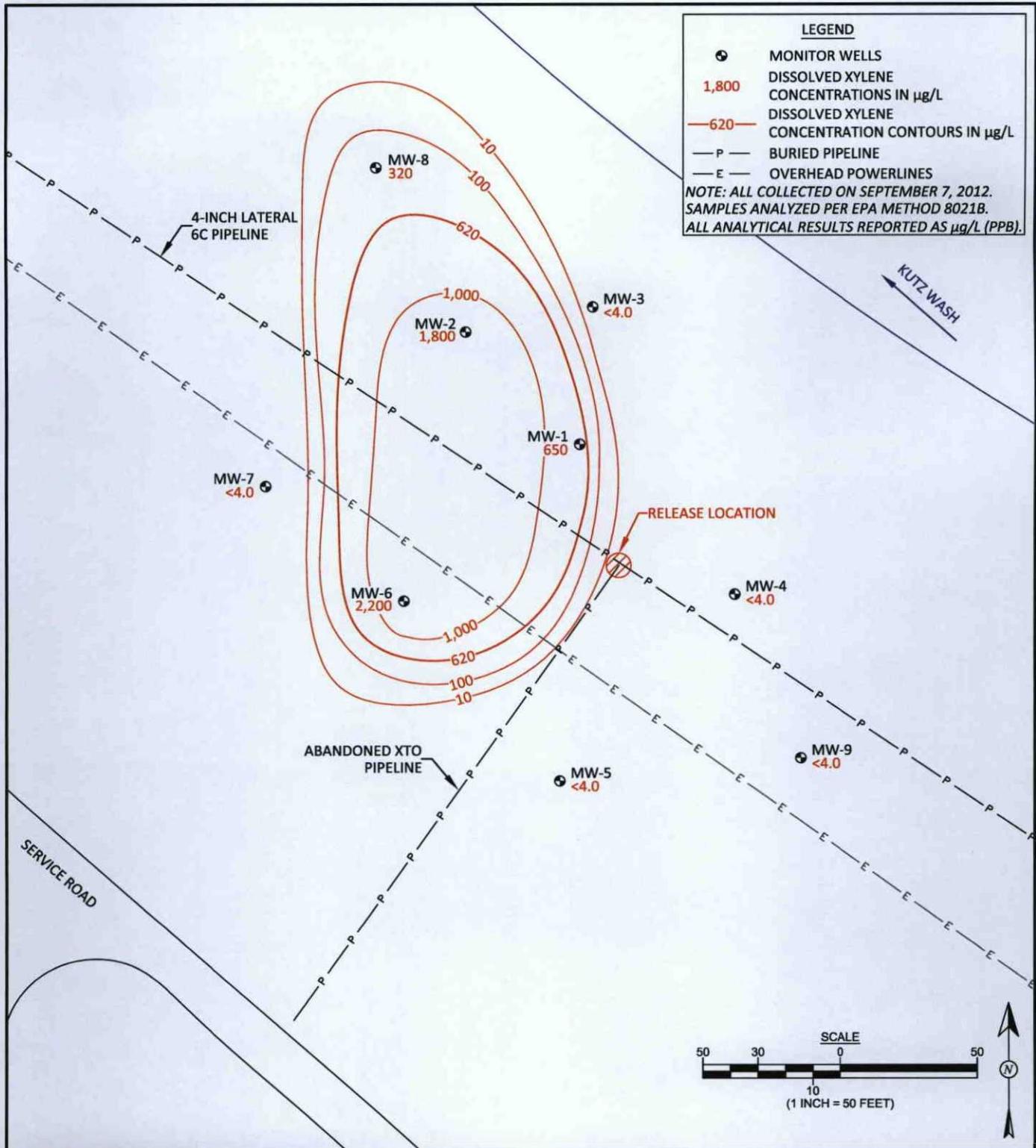
FIGURE 6

DISSOLVED BENZENE CONCENTRATION CONTOURS, SEPTEMBER 2012
 ENTERPRISE PRODUCTS COMPANY
 LATERAL 6C PIPELINE RELEASE
 GROUNDWATER INVESTIGATION
 SAN JUAN COUNTY, NEW MEXICO
 NE¼ SW¼, SECTION 26, T28N, R11W
 N36.63202, W107.97400



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 1, 2012

FIGURE 7
DISSOLVED TOLUENE CONCENTRATION CONTOURS, SEPTEMBER 2012
 ENTERPRISE PRODUCTS COMPANY
 LATERAL 6C PIPELINE RELEASE
 GROUNDWATER INVESTIGATION
 SAN JUAN COUNTY, NEW MEXICO
 NE $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 26, T28N, R11W
 N36.63202, W107.97400



DRAWN BY: C. Lameman	DATE DRAWN: September 18, 2012
REVISIONS BY: C. Lameman	DATE REVISED: October 1, 2012
CHECKED BY: T. Ross	DATE CHECKED: October 1, 2012
APPROVED BY: E. McNally	DATE APPROVED: October 2, 2012

FIGURE 8

DISSOLVED XYLENE CONCENTRATION CONTOURS, SEPTEMBER 2012

ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE RELEASE
GROUNDWATER INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 26, T28N, R11W
N36.63202, W107.97400

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	BTEX	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 Action 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
		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
		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
		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
		10 to 12	58.2	<0.047	<0.047	<0.047	<0.094	<0.235	<4.7	<9.8	<14.5
MW-5	23-Aug-12	5 to 7	0.5	<0.048	<0.048	<0.048	<0.096	<0.240	<4.8	<10	<14.8
		10 to 12	0.9	<0.050	<0.050	<0.050	<0.10	<0.250	<5.0	<9.9	<14.9
MW-6	23-Aug-12	5 to 7	0.5	<0.050	<0.050	<0.050	<0.10	<0.250	<5.0	<10	<15.0
		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
		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
		10 to 12	144	<0.047	<0.047	<0.047	<0.095	<0.236	<4.7	<10	<14.7
MW-9	23-Aug-12	5 to 7	0.3	<0.048	<0.048	<0.048	<0.096	<0.240	<4.8	<9.6	<14.4
		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

<i>Well ID</i>	<i>Date</i>	<i>Depth to Water (ft below TOC)</i>	<i>Surveyed TOC (ft)</i>	<i>GW Elev. (ft)</i>	<i>pH</i>	<i>Conductivity (mS)</i>	<i>Dissolved Oxygen (mg/L)</i>	<i>Temp. (°C)</i>	<i>Purge Volume (gallons)</i>
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
Sample Method		EPA Method 8021			
WQCC 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	07-Sep-12	<2.0	2.4	<2.0	<4.0

Notes:

< Analyte not detected above listed method limit
 µg/L Micrograms per liter (ppb)



Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

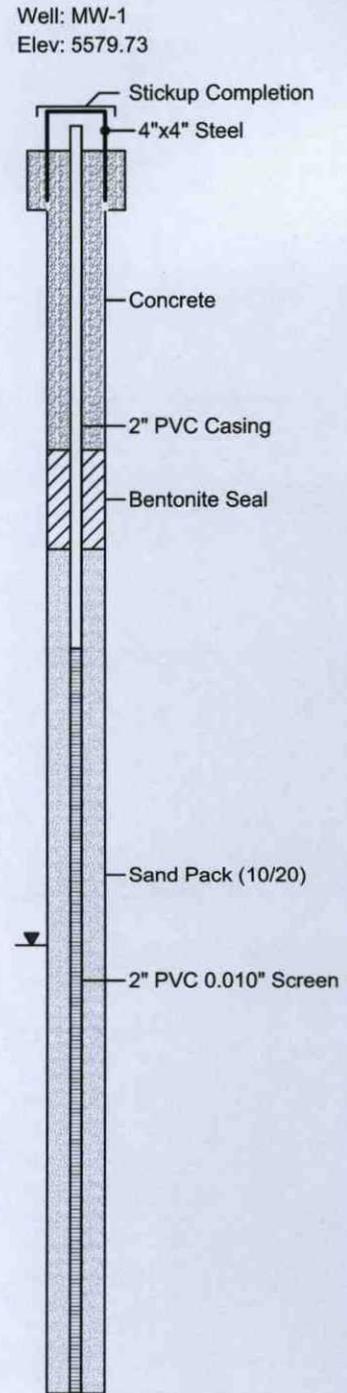
MW-1

ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/20/12
Date Completed : 8/20/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63216
Long. : W107.97405
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5577	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5577	SC		Clayey Sand, Brown, Dry, No Odor, No Staining	85.8	85.8
2	5575					
4	5573	SM		Silty Sand, Brown, Fine Grained, Dry, No Odor, No Staining	87.4	87.4
6	5571					
8	5569	SP		Sand, Brown/Tan, Moist, No Odor, No Staining	190	190
10	5567					
12	5565	SP		Sand, Brown, Fine Grained, Wet, Very Little Recovery, Slight Odor	NA	NA
14	5563					
16	5561	CG		Cobble/Gravel, Brown, Wet, No Odor, No Staining	2.4	2.4
18	5559					
20	5557	SP		Sand, Gray, Fine Grained, Wet, Slight Odor, Slight Staining	15.3	15.3
22	5555					
24	5553					
26						



11-05-2012 R:\Animas 2000\2012 Projects\Enterprise\Lateral 6C\Soil Boring Logs\GW Investigation\MW-1.bor



Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

MW-2

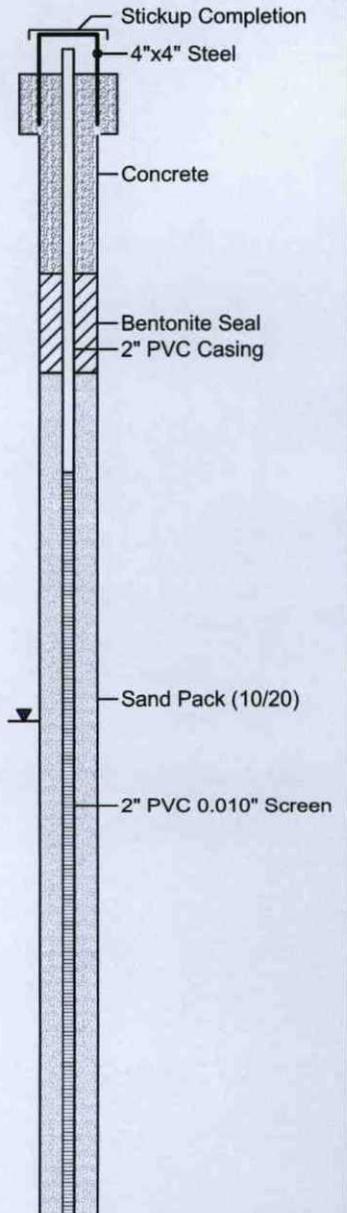
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/20/12
Date Completed : 8/20/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63228
Long. : W107.97419
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5577	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5577	SP		Sand, Brown, Fine Grained, Moist, No Odor, No Staining	93.1	
2	5575					
4	5573					
6	5571	SP		Sand, Brown, Moist/Wet, No Odor, No Staining	108	
8	5569					
10	5567	SP		Sand, Brown, Medium Grained, Wet, Very Little Recovery, No Odor, No Staining	87.0	
12	5565					
14	5563	CG		Cobble/Gravel, Brown, Wet, Slight Odor, No Staining	NA	
16	5561					
18	5559	SS		Sandstone, Gray, Fine Grained, Wet, Slight Odor, No Staining	38.7	
20	5557					
22	5555	SS		Sandstone, Gray, Fine Grained, Wet, Slight Odor, No Staining	16.1	
24	5553					
26						

Well: MW-2
Elev: 5579.39





Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

MW-3

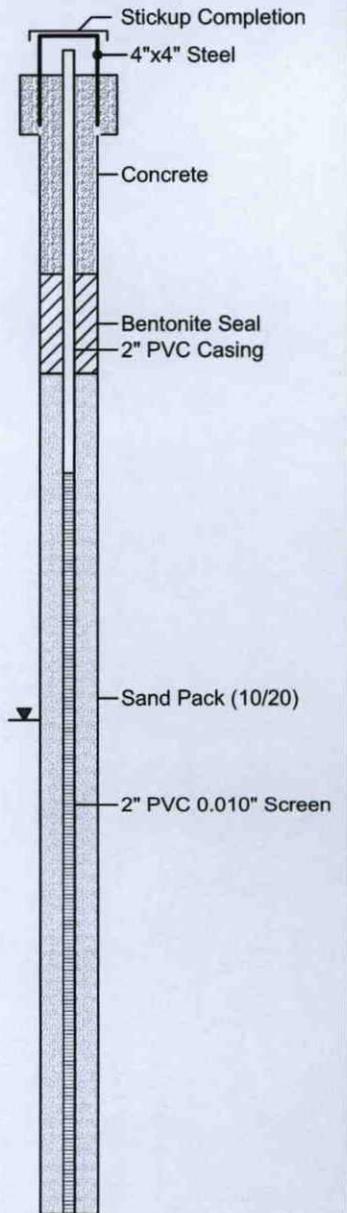
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/21/12
Date Completed : 8/21/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

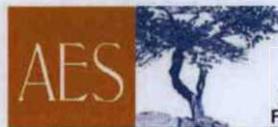
Lat. : N36.63230
Long. : W107.97403
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5577	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5577			Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5575					
4	5573	SP				
6	5571					
8	5569					
10	5567			Sand, Brown, Fine Grained, Wet, No Odor, No Staining		
12	5565	SP				
14	5563					
16	5561			Sand, Gray, Fine to Medium Grained, Wet, No Odor, No Staining		
18	5559	SP				
20	5557			Sand, Gray, Fine to Coarse Grained, Some Gravel, Wet, No Odor, No Staining		
22	5555	SP				
24	5553					
26		SS		Sandstone, Gray, Fine Grained, Wet, No Odor, No Staining		

Well: MW-3
Elev: 5579.52



11-05-2012 R:\Animas 2000\2012 Projects\Enterprise\Lateral 6C\Soil Boring Logs\GW Investigation\MW-3.bor



Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

MW-4

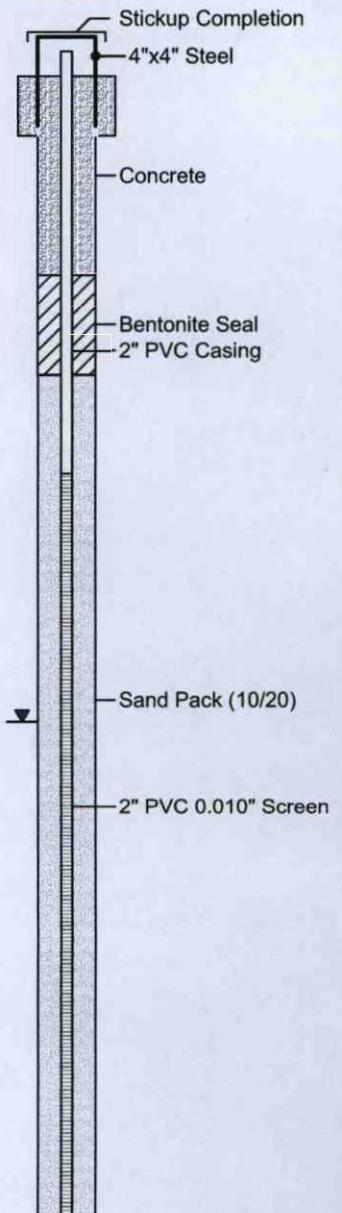
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/21/12
Date Completed : 8/21/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63230
Long. : W107.97403
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5578	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5578			Interbedded Sand and Clay, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5576	SC			22.1	
4	5574					
6	5572	SP		Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
8	5570				54.8	
10	5568					
12	5566	SP		Sand, Brown, Fine Grained, Wet, No Odor, No Staining		
14	5564				58.2	
16	5562					
18	5560	SP		Sand, Brown, Fine Grained, Wet, No Odor, No Staining, Very Little Recovery		NA
20	5558			No Recovery		
22	5556	SP				NA
24	5554					
26		SS		Sandstone, Gray, Fine Grained, Wet, No Odor, No Staining		3.6

Well: MW-4
Elev: 5580.36





Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

MW-5

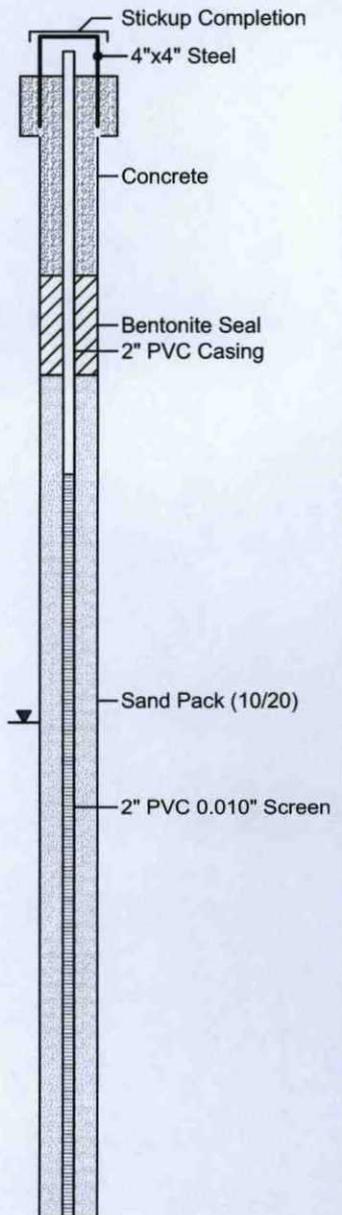
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/23/12
Date Completed : 8/23/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63182
Long. : W107.97417
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5581	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5581			Interbedded Sand and Clay, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5579	SC	[Diagonal Hatching]			0.4
4	5577					
6	5575	SC	[Diagonal Hatching]	Clayey Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
8	5573					0.5
10	5571					
12	5569	SP	[Stippled]	Sand, Brown, Fine Grained, Wet, No Odor, No Staining		
14	5567					0.9
16	5565	SC	[Diagonal Hatching]	Clayey Sand, Brown, Fine Grained, Wet, No Odor, No Staining		
18	5563					0.7
20	5561					
22	5559	SP	[Stippled]	Sand, Brown, Fine to Coarse Grained, Wet, Some Gravel, No Odor, No Staining		
24	5557					0.6
26		SS	[Horizontal Hatching]	Sandstone, Gray, Fine Grained, Wet, No Odor, No Staining		0.8

Well: MW-5
Elev: 5583.53





Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

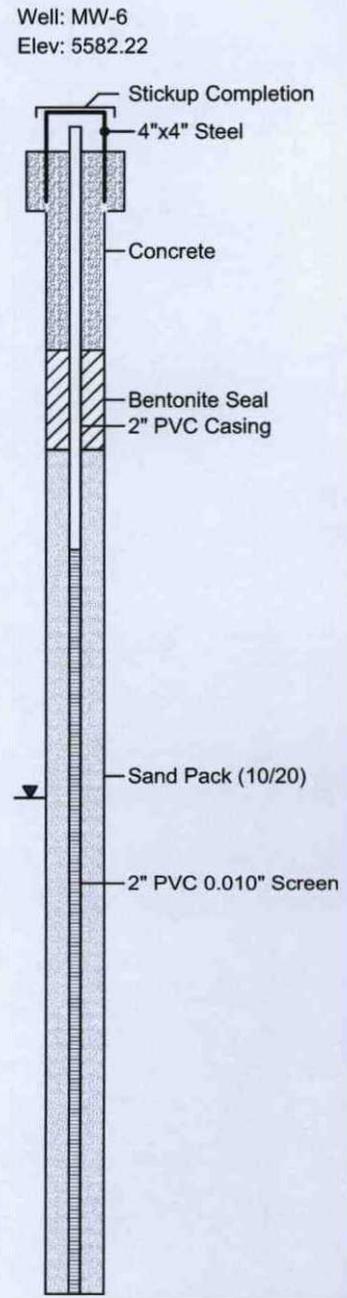
MW-6

ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/23/12
Date Completed : 8/23/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63201
Long. : W107.97427
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5580	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5580			Silty Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5578	SM				0.3
4	5576					
6	5574	SP		Sand, Brown, Fine Grained, Dry, No Odor, No Staining		0.5
8	5572					
10	5570			Sand, Brown, Fine Grained, Wet, No Odor, No Staining		
12	5568	SP				0.6
14	5566					
16	5564	SP		Sand, Brown, Fine Grained, Some Clay, Wet, Slight Odor, Slight Staining		3.0
18	5562					
20	5560			Sand, Brown, Fine to Coarse Grained, Some Gravel, Very Little Recovery, No Staining		
22	5558	SP				NA
24	5556					
26		SS		Sandstone, Gray, Fine Grained, Wet, No Odor, No Staining		1.9



11-05-2012 R:\Animas 2000\2012 Projects\Enterprise\Lateral 6C\Soil Boring Logs\GW Investigation\MW-6.bor



Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

MW-7

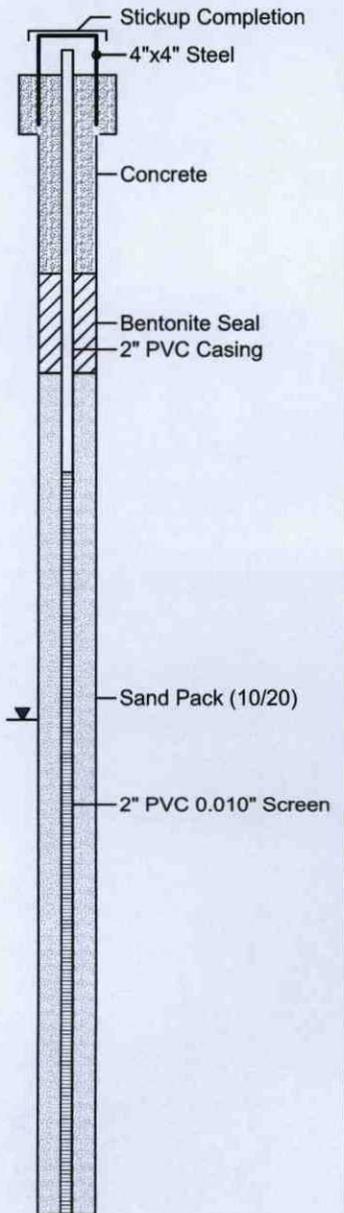
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/23/12
Date Completed : 8/23/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.632122
Long. : W107.97444
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5579	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5579			Silty Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5577	SM				0.5
4	5575					
6	5573	SC		Clayey Sand, Brown, Moist, No Odor, No Staining		0.6
8	5571					
10	5569					
12	5567	SP		Sand, Brown, Fine Grained, Moist, No Odor, No Staining		0.5
14	5565					
16	5563	SP		Sand, Brown, Fine Grained, Some Clay, Wet, Slight Odor, Slight Staining		0.7
18	5561					
20	5559					
22	5557	SP		Sand, Brown, Fine to Coarse Grained, Some Gravel, Wet, No Odor, No Staining		0.5
24	5555					
26		SS		Sandstone, Gray, Fine Grained, Wet, No Odor, No Staining		0.8

Well: MW-7
Elev: 5582.24



11-05-2012 R:\Animas 2000\2012 Projects\Enterprise\Lateral 6C\Soil Boring Logs\GW Investigation\MW-7.bor



Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

MW-8

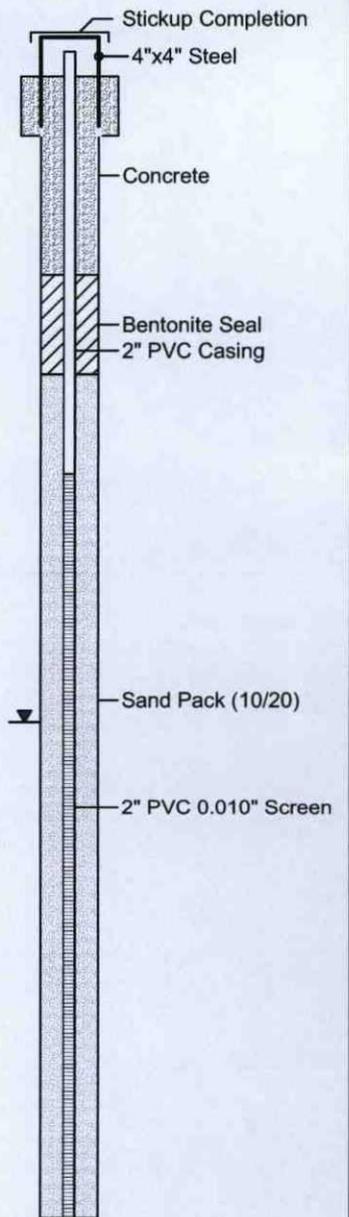
ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400

Date Started : 8/21/12
Date Completed : 8/21/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63245
Long. : W107.97430
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5576	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5576			Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5574	SP			82.8	
4	5572					
6	5570	SP		Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
8	5568				219	
10	5566					
12	5564	SP		Sand, Brown, Fine Grained, Wet, Slight Odor, No Staining		
14	5562				144	
16	5560					
18	5558	SP		Sand, Gray, Fine to Medium Grained, Wet, Slight Odor, No Staining		
20	5556				147	
22	5554	SP		Sand, Gray, Fine to Medium Grained, Some Gravel, Wet, Slight Odor, No Staining		
24	5552				87.3	
26		SS		Sandstone, Gray, Fine Grained, Wet, Slight Odor, No Staining		16.9

Well: MW-8
Elev: 5577.81



11-05-2012 R:\Animas 2000\2012 Projects\Enterprise\Lateral 6C\Soil Boring Logs\GW Investigation\MW-8.bor



Animas Environmental Services, LLC.
624 East Comanche Farmington, NM 87401

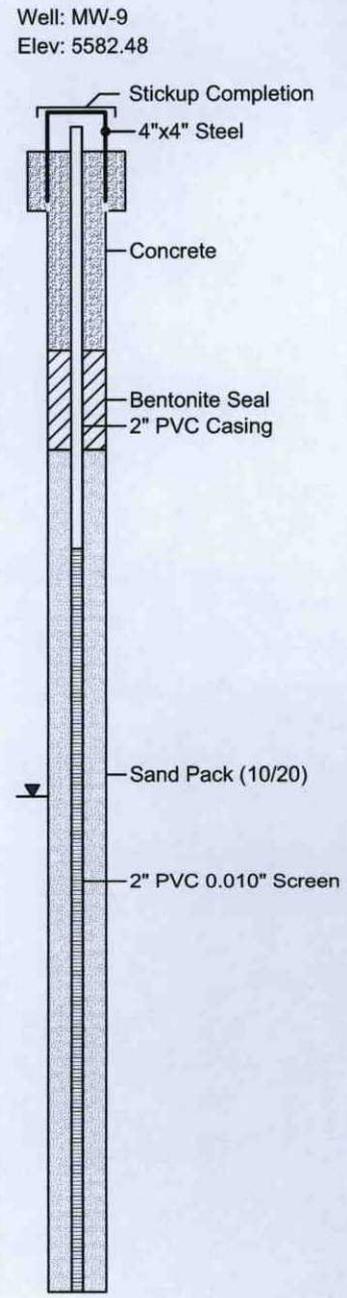
MW-9

**ENTERPRISE PRODUCTS COMPANY
LATERAL 6C PIPELINE GW INVESTIGATION
SAN JUAN COUNTY, NEW MEXICO
NE1/4 SW1/4, SEC. 26, T28N, R11W
N36.63202, W107.97400**

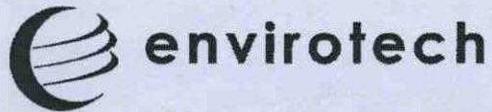
Date Started : 8/23/12
Date Completed : 8/23/12
Hole Diameter : 2.25
Drilling Method : HSA
Sampling Method : Split Spoon

Lat. : N36.63185
Long. : W107.97378
Survey By : Enterprise Products Co.
Logged By : Tom Long

Depth in Feet	Surf. Elev. 5580	USCS	GRAPHIC	DESCRIPTION	Blow Count	PID (ppm)
0	5580			Sand, Brown, Fine Grained, Dry, No Odor, No Staining		
2	5578	SP				0.3
4	5576					
6	5574	SM		Silty Sand, Brown, Fine Grained, Dry, No Odor, No Staining		0.3
8	5572					
10	5570			Sand, Brown, Fine Grained, Moist, No Odor, No Staining		
12	5568	SP				0.4
14	5566					
16	5564	SP		Sand, Gray, Fine to Medium Grained, Wet, No Odor, No Staining		0.2
18	5562					
20	5560	SP		Sand, Gray, Some Gravel, Wet, No Odor, No Staining		0.1
22	5558					
24	5556					
26		SS		Sandstone, Gray, Fine Grained, Wet, No Odor, No Staining		



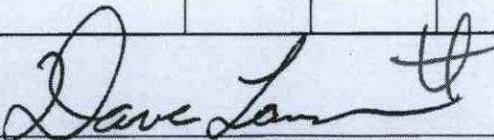
11-05-2012 R:\Animas 2000\2012 Projects\Enterprise\Lateral 6C\Soil Boring Logs\GW Investigation\MW-9.bor



Bill of Lading

MANIFEST # 41957
 DATE 8-21-12 JOB # 71051-0520

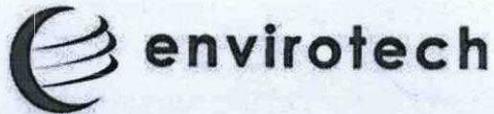
PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE ANIMAS ENVIRONMENTAL	LFII-5	Cont SOIL	A-6	2	-	KYUCK	057	13:50	Kelly Padilla
	LATERAL C				<u>2</u>					
RESULTS:		LANDFARM EMPLOYEE:					NOTES: <u>Paykey EG11580</u>			
<u>292</u>	CHLORIDE TEST	1								
	PAINT FILTER TEST	1	Certification of above receipt & placement							

"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."

TRANSPORTER CO. Kyuck NAME Kelly Padilla SIGNATURE Kelly Padilla
 COMPANY CONTACT _____ PHONE _____ DATE _____

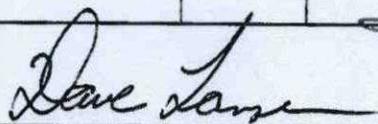
Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 41995
 DATE 8-28-12 JOB # 91057-0520

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPRISE Lat 66C	BF	Genx Produced SOTZ Water	B-2	/	3	Animas Environmental Services	1	952	Zachary Trujillo
						3				
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
292	CHLORIDE TEST	1	 Certification of above receipt & placement							
	PAINT FILTER TEST	1								

"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."

TRANSPORTER CO. Animas Environmental Services LLC NAME Zachary Trujillo SIGNATURE Zachary Trujillo
 COMPANY CONTACT 1-505-564-2281 PHONE 1-505-215-3689 DATE 8-28-12

Signatures required prior to distribution of the legal document.

**GROUNDWATER MONITORING WELL
DEVELOPMENT FORM**

Animas Environmental Services

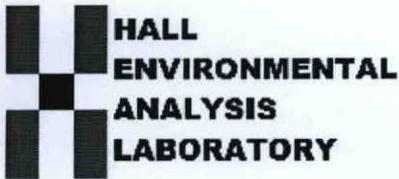
624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Project: 9 MW Development
Site: Interval 6C
Location:
Tech: LL & ZT

Project No.:
Date: 8-28-2012
Time: 10:20
Form:

Well ID	Depth to NAPL (ft.)	Depth to Water (ft.)	Purged Volume (gal.)	Method / Notes / Observations
9	17.53 ⁴¹	17.53	17 gal.	11.43-1210 1-5 gal - silt. down grayish water 70w 5-10 gal. " lite brown 15-17 gal lite tan. 17 gal clear 26.26
4		15.54		11.45 - 1-5 gal - Brown water 15.74 Depth to 25.44 5-10 gal Brown/gray water 19.20 water 6.48 Pit 23 15-20 gal Gray/Brown 15-20 38.7 10.70 -4.2 2RP
7		19.00	19 gal.	12.45 - 1312 8-10 gal gray H ₂ O .. "stink" odor; silt 10-15 tan color 15-19 - Clear H ₂ O
8		14.89 ²¹	20 gal.	13.00 5-10 - gallon Gray 20 - gallon Clear 10-15 - gallon Gray 1-110
3		15.84	17	12.45 14.10 - 14.55 1-17 - silt brown H ₂ O 17-18 tan clear H ₂ O
6		18.51	15 gal.	15-10 - gallons Black 15 gallons 15-10 - gallons Clear 1-145
5		19.31	10 gal	5 - gallon Brown 10 gallon - Clean 1511

Purged Water Storage, Transport, and Disposal Information:



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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208B01
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-9 5-7'

Project: Enterprise Lateral 6C

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

Lab ID: 1208B01-001

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
- 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
 Project: Enterprise Lateral 6C
 Lab ID: 1208B01-002

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

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/28/2012 10:30:17 AM
Surr: DNOP	102	77.6-140		%REC	1	8/28/2012 10:30:17 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/29/2012 12:43:49 AM
Surr: BFB	97.0	84-116		%REC	1	8/29/2012 12:43:49 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	8/29/2012 12:43:49 AM
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
Xylenes, Total	ND	0.093		mg/Kg	1	8/29/2012 12:43:49 AM
Surr: 4-Bromofluorobenzene	99.7	80-120		%REC	1	8/29/2012 12:43:49 AM

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
 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208B01
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-5 5-7'

Project: Enterprise Lateral 6C

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

Lab ID: 1208B01-003

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/29/2012 1:12:33 AM
Surr: BFB	97.4	84-116		%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

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
- 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
 Project: Enterprise Lateral 6C
 Lab ID: 1208B01-004

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

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208B01
 Date Reported: 8/29/2012

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	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
- 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

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	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208B01
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services
Project: Enterprise Lateral 6C
Lab ID: 1208B01-007

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

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
- 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208B01

Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-7 10-12'

Project: Enterprise Lateral 6C

Collection Date: 8/23/2012 12:21:00 PM

Lab ID: 1208B01-008

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/28/2012 1:58:38 PM
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	1	8/29/2012 3:36:12 AM
Surr: BFB	98.5	84-116		%REC	1	8/29/2012 3:36:12 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	8/29/2012 3:36:12 AM
Toluene	ND	0.047		mg/Kg	1	8/29/2012 3:36:12 AM
Ethylbenzene	ND	0.047		mg/Kg	1	8/29/2012 3:36:12 AM
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

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
- 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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1208B01
 29-Aug-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6C

Sample ID MB-3497	SampType: MBLK		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: PBS	Batch ID: 3497		RunNo: 5130							
Prep Date: 8/27/2012	Analysis Date: 8/28/2012		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	SampType: LCS		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: LCSS	Batch ID: 3497		RunNo: 5130							
Prep Date: 8/27/2012	Analysis Date: 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	SampType: MS		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: BatchQC	Batch ID: 3509		RunNo: 5159							
Prep Date: 8/28/2012	Analysis Date: 8/29/2012		SeqNo: 146661		Units: %REC					
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		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: BatchQC	Batch ID: 3509		RunNo: 5159							
Prep Date: 8/28/2012	Analysis Date: 8/29/2012		SeqNo: 147002		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		4.931		88.3	77.6	140	0	0	

Qualifiers:

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

QC SUMMARY REPORT

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			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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	SeqNo:	146746	Units:	%REC			
Analyte	Result	PQL	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	SeqNo:	146747	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	690		679.7		102	84	116	0	0	

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	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		96.4	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			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	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					
Client ID:	MW-9 5-7'	Batch ID:	3494	RunNo:	5146					
Prep Date:	8/27/2012	Analysis Date:	8/28/2012	SeqNo:	146761	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1208B01
 29-Aug-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6C

Sample ID	1208B01-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	MW-9 5-7'	Batch ID:	3494	RunNo:	5146					
Prep Date:	8/27/2012	Analysis Date:	8/28/2012	SeqNo:	146761	Units:	mg/Kg			
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	1208B01-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	MW-9 5-7'	Batch ID:	3494	RunNo:	5146					
Prep Date:	8/27/2012	Analysis Date:	8/28/2012	SeqNo:	146762	Units:	mg/Kg			
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 | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| RL | Reporting Detection Limit | S | Spike Recovery outside accepted recovery limits |

QC SUMMARY REPORT

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	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		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			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		0.8373		104	80	120			

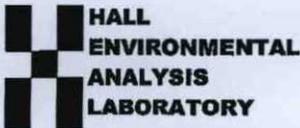
Sample ID	1208C15-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	R5146	RunNo:	5146					
Prep Date:		Analysis Date:	8/28/2012	SeqNo:	146828	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		0.8373		105	80	120	0	0	

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	SeqNo:	146847	Units:	%REC			
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					
Prep Date:	8/27/2012	Analysis Date:	8/28/2012	SeqNo:	146848	Units:	mg/Kg			
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	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.4	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:

- | | | | |
|----|--|---|---|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits |
| RL | Reporting Detection Limit | 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: 1208B01
 Received by/date: AGM 08/24/12
 Logged By: Ashley Gallegos 8/24/2012 10:00:00 AM AG
 Completed By: Ashley Gallegos 8/24/2012 12:52:13 PM AG
 Reviewed By: AT 08/24/12

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 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.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

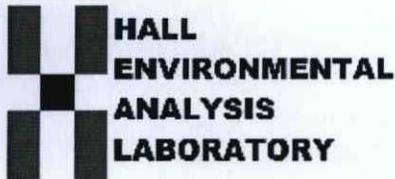
- 17. Was client notified of all discrepancies with this order? Yes No NA

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
1	1.0	Good	Yes			



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208975
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-1 5-7'

Project: Enterprise Lateral 6C

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

Lab ID: 1208975-001

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
- 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-1 10-12'

Project: Enterprise Lateral 6C

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

Lab ID: 1208975-002

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208975

Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-2 5-7'

Project: Enterprise Lateral 6C

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

Lab ID: 1208975-003

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
- 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

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

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208975
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-8 5-7'

Project: Enterprise Lateral 6C

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

Lab ID: 1208975-005

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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

60

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208975
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services
Project: Enterprise Lateral 6C
Lab ID: 1208975-006

Client Sample ID: MW-8 10-12'
Collection Date: 8/21/2012 8:43:00 AM
Received Date: 8/22/2012 10:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208975
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services **Client Sample ID:** MW-3 0-2'
Project: Enterprise Lateral 6C **Collection Date:** 8/21/2012 10:18:00 AM
Lab ID: 1208975-007 **Matrix:** SOIL **Received Date:** 8/22/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Enterprise Lateral 6C
Lab ID: 1208975-008

Client Sample ID: MW-3 10-12'
Collection Date: 8/21/2012 10:25:00 AM
Received Date: 8/22/2012 10:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1208975
 Date Reported: 8/29/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-4 5-7'

Project: Enterprise Lateral 6C

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

Lab ID: 1208975-009

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE 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 RANGE						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

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
 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

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

Matrix: SOIL

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	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 RANGE						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

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
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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1208975
 29-Aug-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6C

Sample ID MB-3458	SampType: MBLK		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: PBS	Batch ID: 3458		RunNo: 5079							
Prep Date: 8/23/2012	Analysis 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	SampType: LCS		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: LCSS	Batch ID: 3458		RunNo: 5079							
Prep Date: 8/23/2012	Analysis Date: 8/24/2012		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			
Surr: DNOP	4.3		5.000		85.0	77.6	140			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1208975
 29-Aug-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6C

Sample ID MB-3452	SampType: MBLK	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: PBS	Batch ID: 3452	RunNo: 5085								
Prep Date: 8/22/2012	Analysis Date: 8/23/2012	SeqNo: 144112	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.3	84	116			

Sample ID LCS-3452	SampType: LCS	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: LCSS	Batch ID: 3452	RunNo: 5085								
Prep Date: 8/22/2012	Analysis Date: 8/23/2012	SeqNo: 144113	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.1	74	117			
Surr: BFB	1000		1000		99.9	84	116			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1208975
 29-Aug-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6C

Sample ID MB-3452	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 3452		RunNo: 5085							
Prep Date: 8/22/2012	Analysis Date: 8/23/2012		SeqNo: 144142				Units: mg/Kg			
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	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 3452		RunNo: 5085							
Prep Date: 8/22/2012	Analysis Date: 8/23/2012		SeqNo: 144143				Units: mg/Kg			
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		1.000		107	80	120			

Qualifiers:

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1208975
 Received by/date: AG 08/22/12
 Logged By: Anne Thorne 8/22/2012 10:00:00 AM *Ann Thorne*
 Completed By: Anne Thorne 8/22/2012 *Ann Thorne*
 Reviewed By: *[Signature]* 08/22/12

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 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.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 17. Was client notified of all discrepancies with this order? Yes No NA

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
1	2.0	Good	Yes			

Chain-of-Custody Record

Client: Ammas Env. Services

Mailing Address: 624 E. Comanche
Farmington NM

Phone #: 505-564-2281

email or Fax#:

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

Accreditation
 NELAP Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name: Enterprise
Lateral 6C

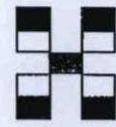
Project #:

Project Manager:
Tami Ross

Sampler: Thomas Long

On Ice: Yes No

Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + THM's (802#)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)	
8-20-12	1301	Soil	MW-1 5-7'	4oz Jar	Ice	201912	X	X											
	1305		MW-1 10-12'				X	X											
	1434		MW-2 5-7'				X	X											
	1440		MW-2 10-12'				X	X											
8-21-12	0840		MW-8 5-7'				X	X											
	0843		MW-8 10-12'				X	X											
	1018		MW-3 0-2'				X	X											
	1025		MW-3 10-12'				X	X											
	1225		MW-4 5-7'				X	X											
	1230		MW-4 10-12'				X	X											

Date: 8-21-12 Time: 1746 Relinquished by: Thomas Long

Date: 8/21/12 Time: 1740 Received by: Christi Wells

Date: 8/21/12 Time: 1751 Relinquished by: Christi Wells

Date: 08/22/12 Time: 1000 Received by: [Signature]

Remarks: Bill to Enterprise

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

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-1

624 E. Comanche Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2012

Location: LATERAL 6-C

Time: 0756

0812 Sample

Sampler: LHAMONE

Weather: clear

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 27.60

Well Diam. (in.): 2

Depth to Water (ft): 15.78

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
0758	17.36	5.520	1.17	6.79	-251.9	1 st bail out	odor, very gray
0801	17.48	5.644	1.14	6.88	-257.0	1 gal.	gray H ₂ O
0803	17.22	5.628	1.16	6.93	-259.0	2 gal	gray H ₂ O
0806	17.27	5.589	1.38	6.94	-261.0	3 gal	gray H ₂ O
0808	17.40	5.582	1.39	6.96	-262.0	4 gal.	gray H ₂ O
0810	17.34	5.603	1.48	6.99	-262.3	5 gal	gray H ₂ O
0812	17.31	5.616	1.72	7.02	-263.4	5.80 gal.	gray H ₂ O

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) delivered 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

<u>11.82 H₂O Column</u>	<u>1st gallon the dray gray, odor,</u>
<u>6.93 volume</u>	<u>1 - 5.75 gallon of the gray... odor of sulfur</u>
<u>6.79 purged</u>	<u>No sheen on H₂O.</u>

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-2

624 E. Comanche, Farmington NM 87401

Tel (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2012

Location: LATERAL 6-C

Time: 0822 **0839 SAMPLE TIME**

Sampler: L. LAMONE

Weather: clear/warm

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 26.30

Well Diam. (in.): 2

Depth to Water (ft): 16.29

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
0826	16.52	3.902	2.11	7.56	-136.2	1 st bail	clear H ₂ O
0829	16.67	4.243	1.16	7.31	-192.0	1 gal.	gray H ₂ O
0833	16.61	4.182	1.00	7.30	-208.0	3 gal.	gray, silty H ₂ O
0836	16.60	4.252	1.00	7.27	-209.0	4 gal.	gray silty H ₂ O
0839	16.67	4.231	1.03	7.31	-209.6	4.90 gal.	gray silty H ₂ O

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

10.01 H₂O column
1.63 volume
4.90 purged

H₂O extremely silty, gray, sulfur odor, recharge on well is good. A/C needs CAP.

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-3

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

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2012

Location: LATERAL 6-C

Time: 0855 (0913 SAMPLE TIME)

Sampler:

Weather:

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 25.88

Well Diam. (in.): 2

Depth to Water (ft): 15.98

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
0900	15.58	5.623	1.73	7.49	-41.1	1 st bail	Tan H ₂ O
0903	15.38	5.929	1.56	7.39	-36.8	1 gal.	Tan/clear H ₂ O
0905	15.71	6.160	2.06	7.36	-33.4	2 gal.	Tan Silty H ₂ O
0908	15.46	5.878	1.53	7.33	-33.8	3 gal.	Tan/Silty H ₂ O
0910	15.31	5.593	1.73	7.33	-30.1	4 gal.	Tan/silty H ₂ O
0913	15.29	5.706	2.24	7.33	26.0	4.85 gal.	Tan Silt

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

<u>9.90 H₂O Column</u>	<u>H₂O tan in color</u>
<u>1.62 volume</u>	<u>silt, no odor, no screen</u>
<u>4.85 purged</u>	

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-4

624 E. Comanche, Farmington NM 87401

Tel (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9-7-2012

Location: LATERAL 6-C

Time: 0923

0937 SAMPLE

Sampler: L. LAMONE

Weather:

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 24.39

Well Diam. (in.): 2

Depth to Water (ft): 15.59

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
0926	15.88	5.208	1.65	7.54	-44.8	1 st Bailed	clear
0929	16.31	5.534	1.52	7.37	-30.9	1 gal.	Tan/silt
0931	15.81	5.559	1.28	7.32	-31.8	2.0 gal.	Tan silt
0934	15.13	5.095	0.89	7.34	-44.0	3.0 gal.	Tan silt
0937	15.77	5.564	1.46	7.30	-27.9	4.35 gal	Tan silt //20

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

<u>3.80 H2O Column</u>	<u>H2O extremely silty, tan to brown in color</u> <u>NO odor, NO sheen</u>
<u>1.44 volume</u>	
<u>4.31 purged</u>	

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-5

624 E Comanche, Farmington NM 87401

Tel (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING
 Site: ENTERPRISE
 Location: LATERAL 6-C
 Sampler: L. Lamore
 Sampling Method: BAILER
 Depth of Well (ft): 25.98
 Depth to Water (ft): 19.35

Project No.: _____
 Date: 9.7.2012
 Time: 0942 0953 Sample
 Weather: v nrm
 Air Temperature: _____
 Well Diam. (in.): 2
 Site Elevation (ft): _____

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
0944	15.27	4.007	1.87	7.46	-34.8	1 st Bailen	Clear
0949	15.77	4.130	1.76	7.35	-20.8	1.0-gal	Tan/silt
0951	15.26	4.250	2.46	7.34	-11.1	2.0 gal.	Tan some silt
0953	14.89	4.137	1.53	7.34	-15.8	3.25 gal.	Tan/silt

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

<u>6.63 H₂O column</u>	<u>H₂O lite tan, silt,</u>
<u>1.08 volume</u>	
<u>3.25 purged</u>	

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-6e

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: GROUND WATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2012

Location: LATERAL 6-C

Time: 1006

1021 Sample Time

Sampler: L. LAMONE

Weather: WARM

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 25.37

Well Diam. (in.): 2

Depth to Water (ft): 18.55

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1010	15.74	3.662	1.93	7.71	-111.1	1st bailer	gray/odor
1010	15.00	4.20	0.87	7.35	-295.9	1.0 gal	gray/odor
1016	15.43	4.599	0.87	7.35	-295.9	1.0 gal	gray/sheen/odor
1019	15.33	4.662	0.88	7.37	-296.7	2.0 gal	gray/sheen/odor
1021	15.43	4.833	1.24	7.38	-288.4	3.35 gal	gray/sheen/odor

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

4.82 H ₂ O column	H ₂ O is medium grayish color, odor (sulfur)
1.11 volume	sheen.
3.34 purged	

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-7

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2012

Location: LATERAL 6-C

Time: 1038

1053 Sample Time

Sampler: L. LAMONE

Weather: WARM

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 26.33

Well Diam. (in.): 2

Depth to Water (ft): 19.03

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1043	15.51	4.630	2.05	7.76	-265.6	1 st BAILER	Lite gray
1045	15.23	4.590	1.62	7.66	-254.1	1.0 gal.	gray
1048	14.96	4.551	1.40	7.62	-247.2	2.0 gal.	gray H2O slight sheen
1050	15.06	4.536	1.49	7.61	-243.8	3.0 gal	gray H2O
1053	15.24	4.542	1.38	7.59	-241.3	3.00 gal	gray/sheen H2O

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

7.30 H2O column | H2O, gray, sulfur odor, slight sheen
1.19 volume
3.57 purged

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-8

624 E. Comanche, Farmington NM 87401

Tel. (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2013

Location: LATERAL 6-C

Time: 1105

1120 Sample Time

Sampler: L. LAMON

Weather: HOT

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 25.26

Well Diam. (in.): 2

Depth to Water (ft): 14.96

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1109	16.20	4.011	2.42	7.99	-88.9	1 st Bailer	clear
1111	16.01	4.015	1.12	7.86	-94.9	1.0 gal	gray
1113	16.23	4.015	0.79	7.76	-106.6	2.0 gal	gray
1116	16.19	4.019	0.74	7.68	-111.1	3.0 gal	gray
1118	16.10	4.032	0.84	7.64	-113.0	4.0 gal	gray
1120	16.16	4.068	1.30	7.57	-116.1	5.0 gal	gray

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED 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 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

10.30 H₂O column | Gray H₂O, slight odor, NO sheen.
 1.68 volume
 5.00 purged

Water Sampling Record

Animas Environmental Services

Monitor Well No: MW-9

624 E. Comanche, Farmington NM 87401

Tel (505) 564-2281 Fax (505) 324-2022

Project: GROUNDWATER SAMPLING

Project No.:

Site: ENTERPRISE

Date: 9.7.2012

Location: LATERAL 6-C

Time: 1129

1148 SAMPLE TIME

Sampler: LA LAMONT

Weather: HOT

Sampling Method: BAILER

Air Temperature:

Depth of Well (ft): 26.26

Well Diam. (in.): 2

Depth to Water (ft): 17.55

Site Elevation (ft):

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (gallons)	Notes/Observations
1134	15.46	4.674	2.78	7.68	65.9	1 st Bailer	Clear H ₂ O
1137	15.36	4.531	1.33	7.54	-36.3	1.0 gal.	Clear H ₂ O
1139	14.98	4.506	1.46	7.52	-27.7	2.0 gal	clear H ₂ O
1144	15.65	4.526	1.43	7.46	-25.1	3.0 gal	clear H ₂ O
1148	15.61	4.583	1.48	7.45	-19.5	4.25 gal	clear H ₂ O

Analytical Parameters Sampled For (include Method #): 8021 B BTEX

Disposal of Purged Water: INTO 55 gal. drum (steel) DELIVERED TO LANDFARM

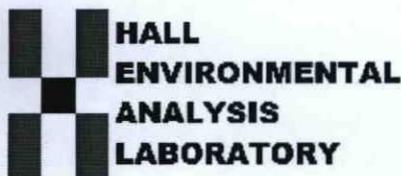
Chain of Custody Record Complete? (Y/N) Y

Analytical Laboratory: HALL ENVIRONMENTAL ANALYTICAL LAB

Equipment Used During Sampling: YSI; PRODUCT PROBE; BAILER w/ SLOW FLOW; 3 BUCKETS; 3 VOAS; UTILITY KNIFE; 25' OF TWINE; 55 gal. DRUM

Other Notes/Comments

<u>3.71 H₂O column</u>	<u>H₂O "clear" as in life tan "RIVER color"</u>
<u>1.42 volume</u>	<u>clear. No odor, no sheen</u>
<u>4.26 purged</u>	



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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 1209283
Date Reported: 9/17/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-1

Project: Lateral 6-C

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

Lab ID: 1209283-001

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
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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1209283
 Date Reported: 9/17/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-2

Project: Lateral 6-C

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

Lab ID: 1209283-002

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
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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1209283
 Date Reported: 9/17/2012

CLIENT: Animas Environmental Services

Client Sample ID: MW-3

Project: Lateral 6-C

Collection Date: 9/7/2012 9:13:00 AM

Lab ID: 1209283-003

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
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
- 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Lateral 6-C
Lab ID: 1209283-004

Client Sample ID: MW-4
Collection Date: 9/7/2012 9:37:00 AM
Received Date: 9/8/2012 11:15:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Lateral 6-C
Lab ID: 1209283-005

Client Sample ID: MW-5
Collection Date: 9/7/2012 9:53:00 AM
Received Date: 9/8/2012 11:15:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	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

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

Analytical Report

Lab Order 1209283

Date Reported: 9/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: MW-6

Project: Lateral 6-C

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

Lab ID: 1209283-006

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
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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 1209283
Date Reported: 9/17/2012

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	Qual	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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Lateral 6-C
Lab ID: 1209283-008

Client Sample ID: MW-8
Collection Date: 9/7/2012 11:20:00 AM
Received Date: 9/8/2012 11:15:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

EPA METHOD 8021B: VOLATILES

Analyst: NSB

Benzene	41	2.0		µg/L	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	2	9/12/2012 11:49:13 PM
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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1209283
 Date Reported: 9/17/2012

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
Benzene	ND	2.0		µg/L	2	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

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		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: PBW	Batch ID: R5455		RunNo: 5455							
Prep Date:	Analysis Date: 9/11/2012		SeqNo: 155853		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	17		20.00		84.3	69.8	119			

Sample ID 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSW	Batch ID: R5455		RunNo: 5455							
Prep Date:	Analysis Date: 9/11/2012		SeqNo: 155854		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	24		20.00		118	69.8	119			

Sample ID 5ML RB	SampType: MBLK		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: PBW	Batch ID: R5492		RunNo: 5492							
Prep Date:	Analysis Date: 9/12/2012		SeqNo: 156953		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	17		20.00		85.8	69.8	119			

Sample ID 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSW	Batch ID: R5492		RunNo: 5492							
Prep Date:	Analysis Date: 9/12/2012		SeqNo: 156954		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	18		20.00		88.0	69.8	119			

Sample ID 5ML RB	SampType: MBLK		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: PBW	Batch ID: R5522		RunNo: 5522							
Prep Date:	Analysis Date: 9/13/2012		SeqNo: 158006		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	18		20.00		91.2	69.8	119			

Sample ID 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSW	Batch ID: R5522		RunNo: 5522							
Prep Date:	Analysis Date: 9/13/2012		SeqNo: 158007		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	19		20.00		96.2	69.8	119			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD 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