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09/18/2012



www.animasenvironmental.com

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Prepared for:

Steve Austin Navajo Environmental Protection Agency P.O. Box 1999 Shiprock, New Mexico 87420

Prepared on behalf of:

Enterprise Products Company 614 Reilly Avenue Farmington, NM 87401

Site Investigation Report
Enterprise Products Company
Gallegos Well Tie Line #90898Gallegos #2
SE¼ NE¼, Section 29, T26N, R11W
San Juan County, New Mexico

September 18, 2012

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

Animas Environmental Services, LLC (AES), on behalf of Enterprise Products Company, Inc. (Enterprise), has prepared this Site Investigation Report for the Gallegos Well Tie Line #90898, Gallegos #2 pipeline releases that were discovered in May 2012 and confirmed in June 2012. This investigation was conducted in accordance with the work plan prepared by AES and titled *Site Investigation Work Plan for the Gallegos Well Tie Line #90898, Gallegos #2*, dated June 22, 2012, and submitted to Enterprise, New Mexico Oil Conservation Division (NMOCD), and Navajo Nation Environmental Protection Agency (NNEPA). Note that the work plan also included details of the initial release assessment.

1.1 Site Location and NMOCD Ranking

The release areas are within the boundaries of the Navajo Nation within the SE¼ NE¼, Section 29, T26N, R11W, San Juan County, New Mexico. Latitude and longitude of Release #1 were recorded as N36.45979 and W108.02202, respectively. Latitude and longitude of Release #2 were recorded as N36.45988 and W108.02188, respectively. The releases are located within an ephemeral stream known as Gallegos Wash, which discharges into the San Juan River approximately 16.5 miles north of the release locations. A topographic site location map is included as Figure 1, and an aerial site map showing the release locations is included as Figure 2.

In accordance NNEPA 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 by reviewing available records of nearby oil/gas wells using the NMOCD online database; however, no records were found to assist in determining a ranking score for the release location. 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/project.html) were accessed to aid in the identification of surface water. In addition to Gallegos Wash, two ponds were identified approximately 220 feet and 500 feet upgradient of the release locations. Groundwater was assumed to be less than 20 feet below ground surface (bgs) since the locations of the releases are within Gallegos Wash. Due to these factors, the release locations were assessed a ranking score of 40.

1.2 Initial Release Assessment - June 2012

On May 28, 2012, the releases were discovered by Enterprise personnel, and employees were dispatched to confirm the releases and to shut in the affected well, de-pressurize the

associated lines, and lock out/tag out associated control valves. The assessment of the pipeline was continued on June 6, 2012, when it was determined that the releases were a result of two corrosion holes (approximately 54 feet apart) in the pipeline. Enterprise contractors completed the repair of the pipeline on June 8, 2012.

On June 11 and 12, 2012, an Enterprise contractor excavated petroleum hydrocarbon impacted soil within the two release areas. The excavation was terminated on June 12, 2012, due to difficulties with heavy equipment ingress and egress in the wet, sandy soils. The final excavation dimensions measured approximately 98 feet by 14 feet by 2.5 feet deep. Prior to the excavation being backfilled, AES field screened soil samples for volatile organic compounds (VOCs) and collected confirmation soil samples from the excavation side walls for laboratory analysis. An additional sample was collected from a test hole that was excavated to 2 feet below ground surface (bgs) immediately adjacent to the northwest wall of the excavation in order to delineate the extent of the release.

All soil samples had reported concentrations of benzene and total benzene, toluene, ethylbenzene, and xylenes (BTEX) below the applicable NNEPA action levels. However, concentrations of total petroleum hydrocarbons (TPH) were reported above the NNEPA action level of 100 mg/kg in two of the soil samples. The highest TPH concentration, as gasoline and diesel range organics, was reported in SC-5 with 291 mg/kg.

Groundwater was encountered within the excavation at approximately 2.5 feet bgs. On June 12, 2012, AES collected three confirmation groundwater samples in order to determine if groundwater had been impacted. Laboratory analytical results for TH-1W showed that dissolved phase concentrations were above NNEPA action levels for benzene (2,100 μ g/L), toluene (8,400 μ g/L), and xylenes (9,900 μ g/L). Note that for oil and gas releases, NNEPA utilizes New Mexico Water Quality Control Commission (WQCC) groundwater standards. Details of the initial site assessment were submitted in the *Site Investigation Work Plan for the Gallegos Well Tie Line #90898, Gallegos #2*, dated June 22, 2012.

Based on field screening and laboratory analytical results, AES recommended a continued site investigation in order to delineate the hydrocarbon impacted soil and groundwater.

2.0 Site Investigation – July 2012

On July 6 through 11, 2012, AES completed a site investigation in order to delineate the full extent of petroleum hydrocarbon impact on soil and groundwater resulting from the release. The release location is situated within an ephemeral stream; therefore, it was determined that permanent groundwater monitoring wells should not be installed, and that the most appropriate sampling method for site conditions was a HydroPunch, an EPA approved groundwater sampling technique, which allows for in-situ collection of groundwater

samples. During the site investigation, AES personnel installed 13 temporary wells (TW-1 through TW-13) in order to define the lateral extent of soil and groundwater impact. Work was completed in accordance with NMOCD guidelines, AES' Standard Operating Procedures (SOPs), U.S. Environmental Protection Agency (USEPA) Environmental Response Team's SOPs, and applicable American Society of Testing and Materials (ASTM) standards. The locations of the temporary wells are presented on Figure 3.

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 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 Soil Sample Collection and Field Screening Procedures

A total of 13 soil samples (TW-1 through TW-13) were collected using a hand auger while installing soil borings just above the capillary fringe. Sample depths varied from 1 to 2 feet bgs. Local soil lithology consisted of fine to coarse sand from surface to total depths of the borings. One soil sample was collected from each boring for field screening of VOCs and laboratory analysis.

Field screening for VOCs was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.3 Groundwater Sample Collection

Thirteen temporary wells (TW-1 through TW-13) were installed by hand driving the HydroPunch screen with a fencepost driver, and screens were driven to depths ranging from approximately 5.7 to 6.9 feet bgs. The internal slotted screen of the HydroPunch was set across the top of the shallow groundwater table at depths ranging from 3.9 to 6.7 feet bgs and left in place to allow groundwater to infiltrate and reach equilibrium.

Groundwater samples were collected from six of the temporary wells (TW-1, TW-2, TW-3, TW-5, TW-8, and TW-10) with a peristaltic pump. The remaining wells were not sampled because of insufficient water available for sample collection. Prior to collection of each groundwater sample, depth to groundwater was measured with a water level indicator. Depth to groundwater in each temporary well was recorded on groundwater sample collection forms. Additionally, approximately 0.25 gallons were purged from each well, and

water quality parameters (pH, temperature, electrical conductivity, and oxygen reduction potential) were recorded on the groundwater sample collection forms.

2.4 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 or 8260;
- TPH Gasoline Range Organics (GRO)/Diesel Range Organics (DRO) per USEPA Method 8015B.

2.5 Soil Field Screening and Laboratory Analytical Results

During the July 2012 site investigation, field screening readings showed VOC concentrations ranging from 0.4 ppm in TW-7 to 6.5 ppm in TW-8. Soil laboratory analytical results for benzene, total BTEX, and TPH showed reported concentrations below laboratory detection limits and NNEPA action levels in each soil boring. Tabulated field screening and laboratory analytical results are presented in Table 1 and are presented in Figure 3. Soil laboratory analytical reports are provided in the Appendix.

2.6 Groundwater Field Measurements and Laboratory Analytical Results Water quality measurements were recorded prior to sample collection, and temperature readings ranged from 24.98°C in TW-2 to 29.1°C in TW-10. Conductivity readings were between 0.911 mS in TW-1 and 2.458 mS in TW-3, and pH ranged from 7.49 in TW-3 to 10.41 in TW-2. Dissolved oxygen ranged from 2.57 mg/L in TW-3 to 72.8 in TW-10. Water quality measurements are tabulated in Table 2, and water sample collection forms are included in the Appendix.

Groundwater laboratory analytical results showed that dissolved phase benzene concentrations were above the WQCC standard of 10 μ g/L in TW-3 with 220 μ g/L. All other samples were below the laboratory detection limit or WQCC standard. TW-3 also exceeded the WQCC standards with 770 μ g/L toluene and 1,400 μ g/L xylenes. Dissolved phase ethylbenzene concentrations were below the laboratory detection limit or WQCC standard of 750 μ g/L in all samples.

Dissolved phase GRO concentrations were reported in TW-3 with 6.0 mg/L and in TW-5 with 0.053 mg/L. Dissolved phase DRO was reported in TW-3 with 7.0 mg/L and in TW-8 with 1.1 mg/L. All other samples were below laboratory detection limits for TPH (as GRO/DRO). Note that WQCC standards have not been established for TPH (as GRO/DRO). Tabulated groundwater analytical results are presented in Table 3 and on Figure 3, and groundwater laboratory analytical reports are presented in the Appendix.

3.0 Conclusions and Recommendations

A total of 13 HydroPunch temporary wells were installed by AES on July 6 through July 11, 2012, in accordance with the work plan submitted in June 2012. During the July 2012 investigation, petroleum hydrocarbon impacted soil was not encountered in any of the soil borings. However, laboratory results confirmed groundwater impact in TW-3 with dissolved phase concentrations above WQCC standards for benzene (220 μ g/L), toluene (770 μ g/L), and xylene (1,400 μ g/L).

Based on laboratory analytical results from the July 2012 investigation, groundwater continues to be impacted above WQCC standards near the southern bank of the Gallegos Wash. Therefore, AES recommends injection of a microbial bioremediation solution within the dissolved phase plume in Gallegos Wash with follow up groundwater sampling after the winter thaw, anticipated to be in April 2013. AES will submit a work plan under separate cover detailing an additional proposed scope of work.

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 May 2012 Gallegos Well Tie Line #90898, Gallegos #2 pipeline releases. I attest that it is true and complete to the best of my knowledge.

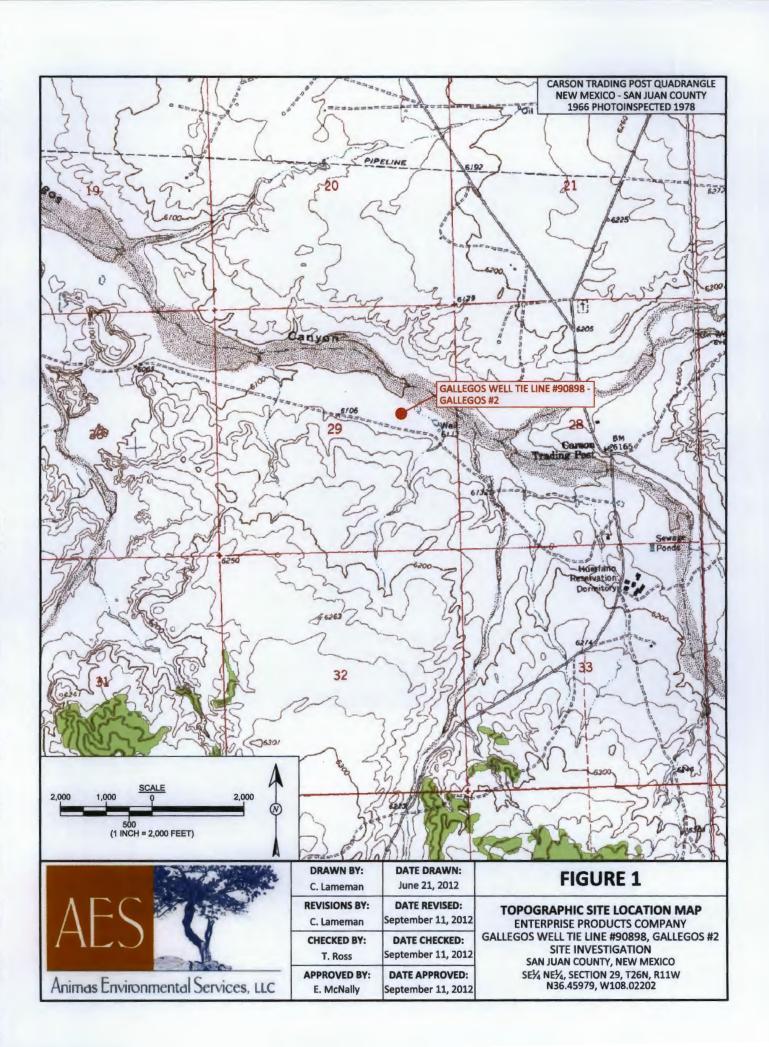
Tami C. Ross, CHMM Project Manager

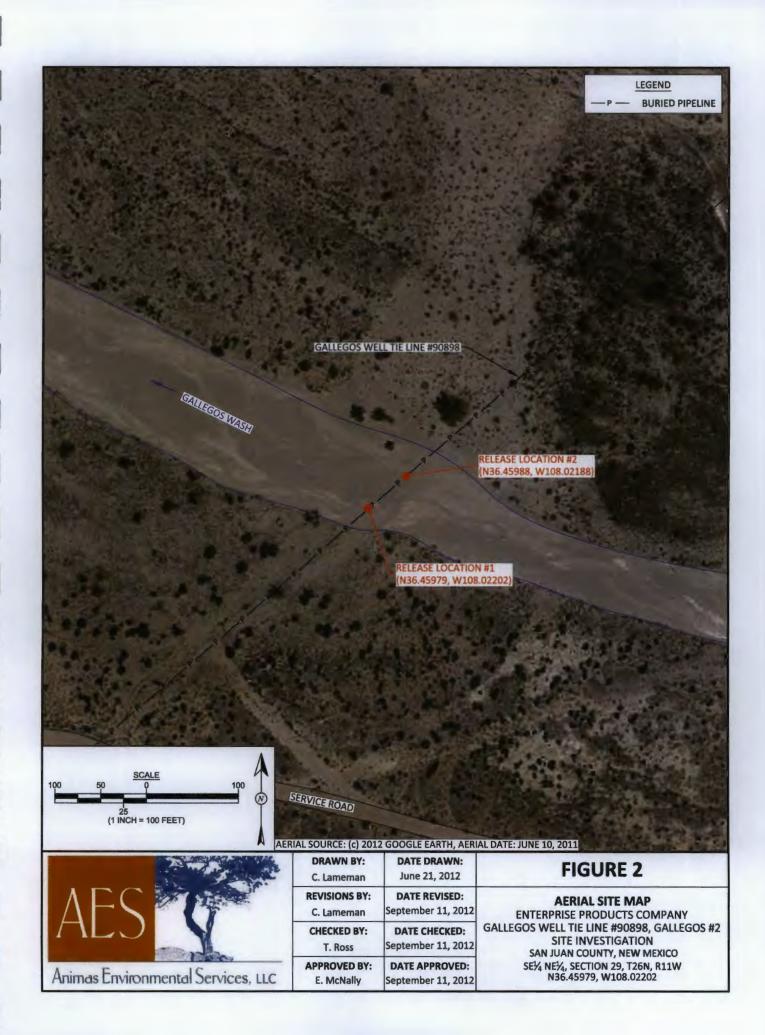
Dami C. Ross

Chizoback & Merilly.

Elizabeth McNally, P.E.

Principal





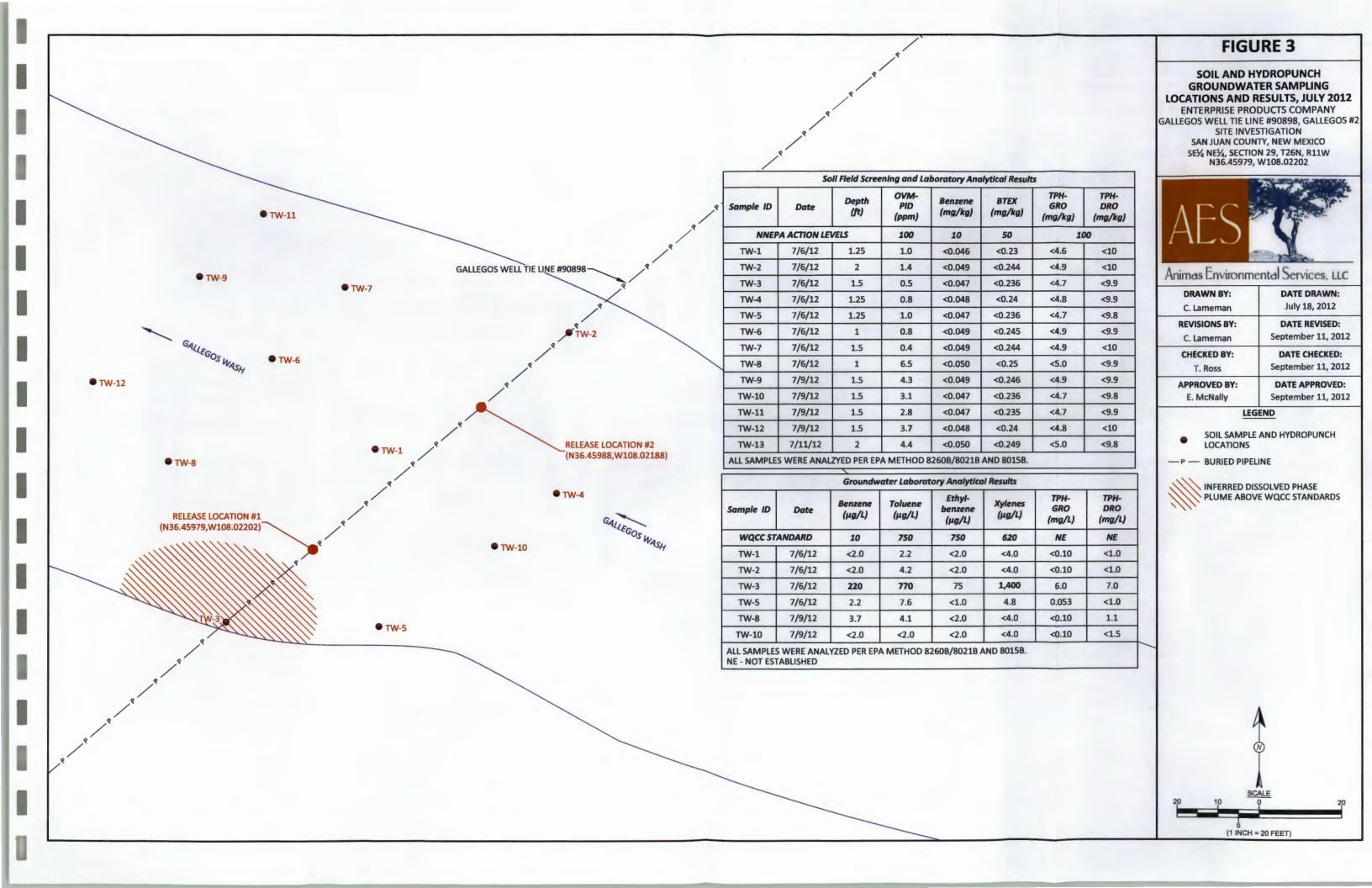


TABLE 1

Enterprise Products Company Gallegos Well Tie Line #90898, Gallegos #2 Site Investigation SUMMARY OF SOIL FIELD-SCREENING AND LABORATORY ANALYTICAL RESULTS

San Juan County, New Mexico

Sample ID	Date Sampled	Depth	OVM Reading	Benzene	Toluene	Ethyl- benzene	Xylene	BTEX	GRO (C6-C10)	DRO (C10-C22)	TPH (GRO+DRO)
		(£)	(mdd)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	NMOCD Action Level	on Level	100	10	NE	NE	NE	20	NE	NE	100
TW-1	6-Jul-12	1.25	1.0	<0.046	<0.046	<0.046	<0.092	<0.23	<4.6	<10	<14.6
TW-2	6-Jul-12	2	1.4	<0.049	<0.049	<0.049	<0.097	<0.244	<4.9	<10	<14.9
TW-3	6-Jul-12	1.5	0.5	<0.047	<0.047	<0.047	<0.095	<0.236	<4.7	6.6>	<14.6
TW-4	6-Jul-12	1.25	0.8	<0.048	<0.048	<0.048	960.0>	<0.24	<4.8	<9.9	<14.7
TW-5	6-Jul-12	1.25	1.0	<0.047	<0.047	<0.047	<0.095	<0.236	<4.7	<9.8	<14.5
1W-6	6-Jul-12	1	8.0	<0.049	<0.049	<0.049	<0.098	<0.245	<4.9	<9.9	<14.8
T-W-7	6-Jul-12	1.5	0.4	<0.049	<0.049	<0.049	<0.097	<0.244	<4.9	<10	<14.9
TW-8	6-Jul-12	1	6.5	<0.050	<0.050	<0.050	<0.10	<0.25	<5.0	<9.9	<14.9
6-WT	9-Jul-12	1.5	4.3	<0.049	<0.049	<0.049	<0.099	<0.246	<4.9	<9.9	<14.8
TW-10	9-Jul-12	1.5	3.1	<0.047	<0.047	<0.047	<0.095	<0.236	<4.7	<9.8	<14.5
TW-11	9-Jul-12	1.5	2.8	<0.047	<0.047	<0.047	<0.094	<0.235	<4.7	<9.6>	<14.6
TW-12	9-Jul-12	1.5	3.7	<0.048	<0.048	<0.048	>0.096	<0.24	<4.8	<10	<14.8
TW-13	11-Jul-12	2	4.4	<0.050	<0.050	<0.050	660'0>	<0.249	<5.0	8.6>	<14.8

NOTES NE = Not Established

TABLE 2
SUMMARY OF GROUNDWATER MEASUREMENTS AND WATER QUALITY DATA
Enterprise Products Company Gallegos Well Tie Line #90898, Gallegos #2 Site Investigation
San Juan County, New Mexico

		Depth to Water		Conductivity	Dissolved Oxygen	Temp.	Purge Volume	
Well ID	Date	(ft below TOC)	рН	(mS)	(mg/L)	(ºC)	(gallons)	
TW-1	06-Jul-12	4.15	9.2	0.911	5.21	28.21	0.25	
TW-2	06-Jul-12	9.92	10.41	2.250	4.92	24.98	0.25	
TW-3	06-Jul-12	4.06	7.49	2.458	2.57	27.62	0.25	
TW-4	06-Jul-12	6.69		NM -	INSUFFICIENT	WATER		
TW-5	06-Jul-12	5.87	9.42	1.203	3.88	27.41	0.25	
TW-6	06-Jul-12	4.75	NM - INSUFFICIENT WATER					
TW-7	06-Jul-12	4.65		NM -	INSUFFICIENT	WATER		
TW-8	06-Jul-12	5.38		NM -	INSUFFICIENT	WATER		
TW-9	09-Jul-12	DRY		NM -	INSUFFICIENT	WATER		
TW-10	09-Jul-12	3.94	8.81	1.094	72.8	29.1	0.25	
TW-11	09-Jul-12	DRY		NM -	INSUFFICIENT	WATER		
TW-12	09-Jul-12	6.00		NM -	INSUFFICIENT	WATER		
TW-13	11-Jul-12	DRY		NM -	INSUFFICIENT	WATER		

NOTES: NM = NOT MEASURED

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Enterprise Products Company Gallegos Well Tie Line #90898, Gallegos #2 Site Investigation

San Juan County, New Mexico

Well ID	Date Sampled	Benzene	Toluene	Ethyl- benzene	Xylenes	GRO C6-C10	DRO C10-C22
		μg/L	μg/L	μg/L	μg/L	mg/L	mg/L
Sa	mple Method		EPA Method	8021/8260		EPA Meth	od 8015M
WQC	CC STANDARD	10	<i>750</i>	750	620	NE	NE
TW-1	06-Jul-12	<2.0	2.2	<2.0	<4.0	<0.10	<1.0
TW-2	06-Jul-12	<2.0	4.2	<2.0	<4.0	<0.10	<1.0
TW-3	06-Jul-12	220	770	75	1,400	6.0	7.0
TW-5	06-Jul-12	2.2	7.6	<1.0	4.8	0.053	<1.0
TW-8	09-Jul-12	3.7	4.1	<2.0	<4.0	<0.10	1.1
TW-10	09-Jul-12	<2.0	<2.0	<2.0	<4.0	<0.10	<1.5

Notes:

Analyte not detected above listed method limit

NE Not established

μg/L Micrograms per liter (ppb)
mg/L Milligrams per liter (ppm)
GRO Gasoline range organics
DRO Diesel range organics



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

July 17, 2012

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

TEL: (505) 793-2072

FAX

RE: Enterprise Gallegos Well Tie Line #90898

OrderNo.: 1207212

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 12 sample(s) on 7/7/2012 for the analyses presented in the following report.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Enterprise Gallegos Well Tie Line #9089

Lab ID: 1207212-001

Matrix: SOIL

Collection Date: 7/6/2012 9:45:00 AM

Client Sample ID: TW-1 @1.25'

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/10/2012 4:17:33 PM
Surr: DNOP	105	77.6-140	%REC	1	7/10/2012 4:17:33 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/13/2012 4:00:48 PM
Surr: BFB	108	69.7-121	%REC	1	7/13/2012 4:00:48 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.046	mg/Kg	1	7/13/2012 4:00:48 PM
Toluene	ND	0.046	mg/Kg	1	7/13/2012 4:00:48 PM
Ethylbenzene	ND	0.046	mg/Kg	1	7/13/2012 4:00:48 PM
Xylenes, Total	ND	0.092	mg/Kg	1	7/13/2012 4:00:48 PM
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	7/13/2012 4:00:48 PM

Qualifiers:

*/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

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

U Samples with CalcVal < MDL

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Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-2 @2'

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 10:05:00 AM

Lab ID: 1207212-002

Matrix: SOIL

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	SE ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/10/2012 4:43:27 PM
Surr: DNOP	101	77.6-140	%REC	1	7/10/2012 4:43:27 PM
EPA METHOD 8015B: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/13/2012 4:29:32 PM
Surr: BFB	104	69.7-121	%REC	1	7/13/2012 4:29:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	7/13/2012 4:29:32 PM
Toluene	ND	0.049	mg/Kg	1	7/13/2012 4:29:32 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/13/2012 4:29:32 PM
Xylenes, Total	ND	0.097	mg/Kg	1	7/13/2012 4:29:32 PM
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	7/13/2012 4:29:32 PM

Qualifiers:

- */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
- 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
- U Samples with CalcVal < MDL

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Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-3 @1.5'

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 9:50:00 AM

Lab ID: 1207212-003

Matrix: SOIL

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/10/2012 5:09:18 PM
Surr: DNOP	104	77.6-140	%REC	1	7/10/2012 5:09:18 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/13/2012 4:58:18 PM
Surr: BFB	102	69.7-121	%REC	1	7/13/2012 4:58:18 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.047	mg/Kg	1	7/13/2012 4:58:18 PM
Toluene	ND	0.047	mg/Kg	1	7/13/2012 4:58:18 PM
Ethylbenzene	ND	0.047	mg/Kg	1	7/13/2012 4:58:18 PM
Xylenes, Total	ND	0.095	mg/Kg	1	7/13/2012 4:58:18 PM
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	7/13/2012 4:58:18 PM

Qualifiers:

- */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
- 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
- U Samples with CalcVal < MDL

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Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: TW-4 @1.25'

Project: Enterprise Gallegos Well Tie Line #9089

Lab ID: 1207212-004

Matrix: SOIL

Collection Date: 7/6/2012 10:00:00 AM **Received Date:** 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/10/2012 5:35:13 PM
Surr: DNOP	102	77.6-140	%REC	1	7/10/2012 5:35:13 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/14/2012 12:10:02 AM
Surr: BFB	98.0	69.7-121	%REC	1	7/14/2012 12:10:02 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	7/14/2012 12:10:02 AM
Toluene	ND	0.048	mg/Kg	1	7/14/2012 12:10:02 AM
Ethylbenzene	ND	0.048	mg/Kg	1	7/14/2012 12:10:02 AM
Xylenes, Total	ND	0.096	mg/Kg	1	7/14/2012 12:10:02 AM
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	7/14/2012 12:10:02 AM

- */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
- 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
- U Samples with CalcVal < MDL

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-5 @1.25'

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 9:55:00 AM

Lab ID: 1207212-005

Matrix: SOIL

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/10/2012 6:01:07 PM
Surr: DNOP	101	77.6-140	%REC	1	7/10/2012 6:01:07 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/14/2012 12:38:45 AM
Surr: BFB	98.5	69.7-121	%REC	1	7/14/2012 12:38:45 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.047	mg/Kg	1	7/14/2012 12:38:45 AM
Toluene	ND	0.047	mg/Kg	1	7/14/2012 12:38:45 AM
Ethylbenzene	ND	0.047	mg/Kg	1	7/14/2012 12:38:45 AM
Xylenes, Total	ND	0.095	mg/Kg	1	7/14/2012 12:38:45 AM
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	7/14/2012 12:38:45 AM

Qualifiers:

*/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

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

U Samples with CalcVal < MDL

Page 5 of 20

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-6 @1'

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 9:33:00 AM

Lab ID: 1207212-006

Matrix: SOIL

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: SCC
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/10/2012 6:26:44 PM
Surr: DNOP	103	77.6-140	%REC	1	7/10/2012 6:26:44 PM
EPA METHOD 8015B: GASOLINE R.	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/14/2012 1:07:30 AM
Surr: BFB	98.3	69.7-121	%REC	1	7/14/2012 1:07:30 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	7/14/2012 1:07:30 AM
Toluene	ND	0.049	mg/Kg	1	7/14/2012 1:07:30 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/14/2012 1:07:30 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/14/2012 1:07:30 AM
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	7/14/2012 1:07:30 AM

Qualifiers:

- */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
- 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
- U Samples with CalcVal < MDL

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Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Enterprise Gallegos Well Tie Line #9089

1207212-007 Lab ID:

Matrix: SOIL

Client Sample ID: TW-7 @1.5'

Collection Date: 7/6/2012 9:37:00 AM Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS			-	Analyst: SCC
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/10/2012 6:52:23 PM
Surr: DNOP	105	77.6-140	%REC	1	7/10/2012 6:52:23 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/14/2012 1:36:14 AM
Surr: BFB	98.5	69.7-121	%REC	1	7/14/2012 1:36:14 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	7/14/2012 1:36:14 AM
Toluene	ND	0.049	mg/Kg	1	7/14/2012 1:36:14 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/14/2012 1:36:14 AM
Xylenes, Total	ND	0.097	mg/Kg	1	7/14/2012 1:36:14 AM
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	7/14/2012 1:36:14 AM

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit RL

Samples with CalcVal < MDL

Page 7 of 20

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-8 @1'

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 9:30:00 AM

Lab ID: 1207212-008

Matrix: SOIL

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS	.,			Analyst: SCC
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/10/2012 7:18:00 PM
Surr: DNOP	102	77.6-140	%REC	1	7/10/2012 7:18:00 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/14/2012 2:04:56 AM
Surr: BFB	98.3	69.7-121	%REC	1	7/14/2012 2:04:56 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	7/14/2012 2:04:56 AM
Toluene	ND	0.050	mg/Kg	1	7/14/2012 2:04:56 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/14/2012 2:04:56 AM
Xylenes, Total	ND	0.10	mg/Kg	1	7/14/2012 2:04:56 AM
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	7/14/2012 2:04:56 AM

- */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
- 3 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
- U Samples with CalcVal < MDL</p>

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-1

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 12:55:00 PM

Lab ID: 1207212-009

Matrix: AQUEOUS

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE				Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	7/10/2012 12:18:12 PM
Surr: DNOP	130	61.3-164	%REC	1	7/10/2012 12:18:12 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.10	mg/L	2	7/12/2012 5:15:37 PM
Surr: BFB	90.3	69.3-120	%REC	2	7/12/2012 5:15:37 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	2.0	μg/L	2	7/12/2012 5:15:37 PM
Toluene	2.2	2.0	μg/L	2	7/12/2012 5:15:37 PM
Ethylbenzene	ND	2.0	μg/L	2	7/12/2012 5:15:37 PM
Xylenes, Total	ND	4.0	μg/L	2	7/12/2012 5:15:37 PM
Surr: 4-Bromofluorobenzene	84.7	55-140	%REC	2	7/12/2012 5:15:37 PM

^{*/}X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

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

U Samples with CalcVal < MDL

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-2

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 12:45:00 PM

Lab ID: 1207212-010

Matrix: AQUEOUS

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE				Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	7/10/2012 12:44:06 PM
Surr: DNOP	129	61.3-164	%REC	1	7/10/2012 12:44:06 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.10	mg/L	2	7/12/2012 5:45:47 PM
Surr: BFB	97.2	69.3-120	%REC	2	7/12/2012 5:45:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	2.0	μg/L	2	7/12/2012 5:45:47 PM
Toluene	4.2	2.0	μg/L	2	7/12/2012 5:45:47 PM
Ethylbenzene	ND	2.0	μg/L	2	7/12/2012 5:45:47 PM
Xylenes, Total	ND	4.0	μg/L	2	7/12/2012 5:45:47 PM
Surr: 4-Bromofluorobenzene	93.7	55-140	%REC	2	7/12/2012 5:45:47 PM

- */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
- 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
- U Samples with CalcVal < MDL

Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-3

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 12:25:00 PM

Lab ID: 1207212-011

Matrix: AQUEOUS

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE				Analyst: SCC
Diesel Range Organics (DRO)	7.0	1.0	mg/L	1	7/10/2012 1:09:57 PM
Surr: DNOP	133	61.3-164	%REC	1	7/10/2012 1:09:57 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	6.0	1.0	mg/L	20	7/13/2012 3:50:47 AM
Surr: BFB	98.3	69.3-120	%REC	20	7/13/2012 3:50:47 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	220	20	μg/L	20	7/13/2012 3:50:47 AM
Toluene	770	20	μg/L	20	7/13/2012 3:50:47 AM
Ethylbenzene	75	20	μg/L	20	7/13/2012 3:50:47 AM
Xylenes, Total	1400	40	μg/L	20	7/13/2012 3:50:47 AM
Surr: 4-Bromofluorobenzene	99.3	55-140	%REC	20	7/13/2012 3:50:47 AM

Qualifiers:

- */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
- 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
 - U Samples with CalcVal < MDL

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Lab Order 1207212

Date Reported: 7/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample 1D: TW-5

Project: Enterprise Gallegos Well Tie Line #9089

Collection Date: 7/6/2012 12:38:00 PM

Lab ID: 1207212-012

Matrix: AQUEOUS

Received Date: 7/7/2012 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE				Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	7/10/2012 1:35:55 PM
Surr: DNOP	131	61.3-164	%REC	1	7/10/2012 1:35:55 PM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	0.053	0.050	mg/L	1	7/12/2012 6:16:00 PM
Surr: BFB	97.9	69.3-120	%REC	1	7/12/2012 6:16:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	2.2	1.0	μg/L	1	7/12/2012 6:16:00 PM
Toluene	7.6	1.0	μg/L	1	7/12/2012 6:16:00 PM
Ethylbenzene	ND	1.0	μg/L	1	7/12/2012 6:16:00 PM
Xylenes, Total	4.8	2.0	μg/L	1	7/12/2012 6:16:00 PM
Surr: 4-Bromofluorobenzene	97.4	55-140	%REC	1	7/12/2012 6:16:00 PM

- */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
- 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
- U Samples with CalcVal < MDL</p>

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207212

17-Jul-!2

Client:

Animas Environmental Services

Project:	Enterprise	e Gallegos V	Well T	Tie Line #90	0898						
Sample ID	MB-2755	SampTyp	pe: ME	BLK	Tes	tCode: E	PA Method	8015B: Dies	el Range (Organics	
Client ID:	PBS	Batch I	D: 27	55	F	RunNo: 3	905				
Prep Date:	7/10/2012	Analysis Dat	te: 7 /	10/2012	S	SeqNo: 1	12276	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	ND	10								
Surr: DNOP		11		10.00		113	77.6	140			
Sample ID	LCS-2755	SampTyp	e: LC	s	Tes	tCode: E	PA Method	8015B: Dies	el Range (Organics	-
Client ID:	LCSS	Batch I	D: 27	55	F	RunNo: 3	905				
Prep Date:	7/10/2012	Analysis Dat	te: 7/	10/2012	S	eqNo: 1	12346	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range C	Organics (DRO)	36	10	50.00	0	71.5	52.6	130			
Surr: DNOP		5.0		5.000		99.6	77.6	140			
Sample ID	1207263-005AMS	SampTyp	e: MS	3	Tes	Code: E	PA Method	8015B: Dies	el Range (Organics	
Client ID:	BatchQC	Batch I	D: 27	55	F	tunNo: 3	924				
Prep Date:	7/10/2012	Analysis Dat	e: 7 /	10/2012	S	eqNo: 1	12423	Units: mg/k	ίg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	100	10	50.15	39.14	125	57.2	146			
Surr: DNOP		15		15.05		97.1	77.6	140			
Sample ID	1207263-005AMSE) SampTyp	e: MS	SD	Test	Code: E	PA Method	8015B: Dies	el Range C	Organics	
Client ID:	BatchQC	Batch II	D: 27	55	R	tunNo: 3	924				
Prep Date:	7/10/2012	Analysis Dat	e: 7/	10/2012	S	eqNo: 1	12424	Units: mg/k	(g		
Analyte			PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	100	10	50.45	39.14	123	57.2	146	0.579	24.5	
Surr: DNOP		15		1 5.14		102	77.6	140	0	0	

Qualifiers:

R RPD outside accepted recovery limits

Page 13 of 20

^{*/}X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting LimitRL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1207212

17-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie Line #90898

Project: Enterpr	rise Gallegos Well Tie Line #	90898		
Sample ID MB-2750	SampType: MBLK	TestCode: EPA Method	8015B: Diesel Range	
Client ID: PBW	Batch ID: 2750	RunNo: 3924		
Prep Date: 7/10/2012	Analysis Date: 7/10/2012	SeqNo: 111554	Units: mg/L	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 1.0			
Surr: DNOP	1.3 1.00	128 61.3	164	
Sample ID LCS-2750	SampType: LCS	TestCode: EPA Method	8015B: Diesel Range	
Client ID: LCSW	Batch ID: 2750	RunNo: 3924		
Prep Date: 7/10/2012	Analysis Date: 7/10/2012	SeqNo: 111555	Units: mg/L	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	4.5 1.0 5.00	0 89.1 74	157	
Surr: DNOP	0.52 0.5000	104 61.3	164	
Sample ID LCSD-2750	SampType: LCSD	TestCode: EPA Method	8015B: Diesel Range	
Client ID: LCSS02	Batch ID: 2750	RunNo: 3924		
Prep Date: 7/10/2012	Analysis Date: 7/10/2012	SeqNo: 111879	Units: mg/L	
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	5.1 1.0 5.000	0 103 74	157 14.3	23
Surr: DNOP	0.54 0.5000	108 61.3	164 0	0

Qualifiers:

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

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1207212 17-Jul-12

Client:

Animas Environmental Services

Project:	Enterprise	Gunegos									
Sample ID	MB-2752	SampT	ype: MI	BLK	Tes	tCode: EF	A Method	8015B: Gaso	oline Rang	e	
Client ID:	PBS	Batch	n ID: 27	52	F	RunNo: 39	991				
Prep Date:	7/10/2012	Analysis D	oate: 7	/11/2012	8	SeqNo: 11	14095	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	ge Organics (GRO)	ND 010	5.0	1000		00.7	60.7	121			
Surr: BFB		910		1000		90.7	69.7	121			
Sample ID	1207185-001AMS	SampT	ype: M	5	Tes	tCode: EF	PA Method	8015B: Gaso	oline Rang	е	
Client ID:	BatchQC	Batch	n ID: 27	52	F	RunNo: 39	991				
Prep Date:	7/10/2012	Analysis D)ate: 7	11/2012	8	SeqNo: 11	14099	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	28	24	23.52	5.637	95.8	85.4	147			
Surr: BFB		4500		4704		95.1	69.7	121			
Sample ID	1207185-001AMSE) SampT	ype: M	SD	Tes	tCode: EF	PA Method	8015B: Gaso	line Rang	е	
Client ID:	BatchQC	Batch	n ID: 27	52	F	RunNo: 39	991				
Prep Date:	7/10/2012	Analysis D	Date: 7	/11/2012	8	SeqNo: 11	14100	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	26	23	23.30	5.637	87.8	85.4	147	7.67	19.2	
Surr: BFB		4300		4660		92.9	69.7	121	0	0	
Sample ID	5ML RB	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015B: Gaso	oline Rang	e	
Sample ID Client ID:		•	ype: Mi			tCode: EF		8015B: Gaso	oline Rang	е	
	PBS	•	n ID: R3	1996	F		996	8015B: Gaso	_	е	
Client ID:	PBS	Batch	n ID: R3	3996 /12/2012	F	RunNo: 39 SeqNo: 1 1	996 14782		_	RPDLimit	Qual
Client ID: Prep Date: Analyte	PBS	Batch Analysis D Result ND	n ID: R3 Date: 7	8996 /12/2012 SPK value	F	RunNo: 39 SeqNo: 11 %REC	996 14782 LowLimit	Units: mg/F	(g		Qual
Client ID: Prep Date: Analyte	PBS	Batch Analysis D Result	n ID: R3 Date: 7 PQL	3996 /12/2012	F	RunNo: 39 SeqNo: 1 1	996 14782	Units: mg/h	(g		Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	PBS	Batch Analysis D Result ND 940	n ID: R3 Date: 7 PQL	3996 /12/2012 SPK value 1000	F SPK Ref Val	RunNo: 39 SeqNo: 11 %REC 94.2	996 14782 LowLimit 69.7	Units: mg/F	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	pe Organics (GRO) 2.5UG GRO LCS	Batch Analysis D Result ND 940 SampT	PQL 5.0	996 /12/2012 SPK value 1000	SPK Ref Val	RunNo: 39 SeqNo: 11 %REC 94.2	996 14782 LowLimit 69.7	Units: mg/k HighLimit 121	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID	pe Organics (GRO) 2.5UG GRO LCS LCSS	Batch Analysis D Result ND 940 SampT	PQL 5.0	8996 /12/2012 SPK value 1000 CS 8996	SPK Ref Val Tes	RunNo: 38 SeqNo: 11 %REC 94.2 tCode: EF	996 14782 LowLimit 69.7 PA Method	Units: mg/k HighLimit 121	%RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	pe Organics (GRO) 2.5UG GRO LCS LCSS	Batch Analysis D Result ND 940 SampT Batch	PQL 5.0	3996 /12/2012 SPK value 1000 CS 3996 /12/2012	SPK Ref Val Tes	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39	996 14782 LowLimit 69.7 PA Method	Units: mg/k HighLimit 121 8015B: Gaso	%RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	pe Organics (GRO) 2.5UG GRO LCS LCSS	Batch Analysis D Result ND 940 SampT Batch Analysis D	PQL 5.0 Sype: LC h ID: R3	3996 /12/2012 SPK value 1000 CS 3996 /12/2012	SPK Ref Val Tes	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39 SeqNo: 11	996 14782 LowLimit 69.7 PA Method 996 14783	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k	%RPD pline Rang	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	pe Organics (GRO) 2.5UG GRO LCS LCSS	Batch Analysis D Result ND 940 SampT Batch Analysis D Result	PQL 5.0 Fype: LC R3 PQL 5.0 Fype: LC R3 PQL PQL	8996 /12/2012 SPK value 1000 CS 8996 /12/2012 SPK value	SPK Ref Val Tes F SPK Ref Val	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39 SeqNo: 11 %REC	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit	%RPD pline Rang	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	pe Organics (GRO) 2.5UG GRO LCS LCSS	Batch Analysis D Result ND 940 SampT Batch Analysis D Result 25 940	PQL 5.0 Fype: LC R3 PQL 5.0 Fype: LC R3 PQL PQL	SPK value 1000 SS 8996 //12/2012 SPK value 25.00 1000	SPK Ref Val Tes F S SPK Ref Val 0	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39 SeqNo: 11 %REC 101 94.4	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit 98.5 69.7	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit 133	%RPD Dine Rang (g %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	pe Organics (GRO) 2.5UG GRO LCS LCSS ge Organics (GRO) 1207464-001AMS	Batch Analysis D Result ND 940 SampT Batch Analysis D Result 25 940 SampT	PQL 5.0 Type: LC PQL 5.0 PQL 5.0	8996 /12/2012 SPK value 1000 CS 8996 /12/2012 SPK value 25.00 1000	SPK Ref Val Tes SPK Ref Val 0	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39 SeqNo: 11 %REC 101 94.4	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit 98.5 69.7	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit 133 121	%RPD Dine Rang (g %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID	pBS ge Organics (GRO) 2.5UG GRO LCS LCSS ge Organics (GRO) 1207464-001AMS BatchQC	Batch Analysis D Result ND 940 SampT Batch Analysis D Result 25 940 SampT	PQL 5.0 Fype: LCC 5.0 Fype: LCC 5.0 Fype: M3 h ID: R3	SPK value 1000 SS 8996 /12/2012 SPK value 25.00 1000 SS 8996	SPK Ref Val Tes SPK Ref Val 0 Tes	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39 SeqNo: 11 %REC 101 94.4 tCode: EF	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit 98.5 69.7 PA Method 996	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit 133 121	%RPD bline Rang %RPD bline Rang	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	pBS ge Organics (GRO) 2.5UG GRO LCS LCSS ge Organics (GRO) 1207464-001AMS BatchQC	Result ND 940 SampT Batch Analysis E Result 25 940 SampT Batch	PQL 5.0 Fype: LCC 5.0 Fype: LCC 5.0 Fype: M3 h ID: R3	8996 /12/2012 SPK value 1000 CS 8996 /12/2012 SPK value 25.00 1000 S 8996 /13/2012	SPK Ref Val Tes SPK Ref Val 0 Tes	RunNo: 39 SeqNo: 11 %REC 94.2 tCode: EF RunNo: 39 SeqNo: 11 %REC 101 94.4 tCode: EF RunNo: 39	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit 98.5 69.7 PA Method 996	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit 133 121 8015B: Gasc	%RPD bline Rang %RPD bline Rang	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Analyte Analyte Analyte	pBS ge Organics (GRO) 2.5UG GRO LCS LCSS ge Organics (GRO) 1207464-001AMS BatchQC	Batch Analysis D Result ND 940 SampT Batch Analysis D Result 25 940 SampT Batch Analysis D	PQL 5.0 Type: LC 5.0 Type: LC 5.0 Type: MS 5.0 Type: MS 6.1D: R3 Date: 7.	8996 /12/2012 SPK value 1000 CS 8996 /12/2012 SPK value 25.00 1000 S 8996 /13/2012 SPK value	SPK Ref Val Tes SPK Ref Val 0 Tes	RunNo: 39 ReqNo: 11 %REC 94.2 tCode: EF RunNo: 39 ReqNo: 11 %REC 101 94.4 tCode: EF RunNo: 39 ReqNo: 14	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit 98.5 69.7 PA Method 996	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit 133 121 8015B: Gasc Units: mg/k	%RPD Dline Rang %RPD Dline Rang	RPDLimit RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Analyte Analyte	pe Organics (GRO) 2.5UG GRO LCS LCSS ge Organics (GRO) 1207464-001AMS BatchQC	Batch Analysis D Result ND 940 SampT Batch Analysis D Result 25 940 SampT Batch Analysis D Result Result	PQL 5.0 Type: LC 5.0 Type: MS 6 h ID: R3 PQL 5.0 PQL 5.0 PQL 5.0 PQL 5.0 PQL 7.0 PQL 7.0 PQL 7.0 PQL	8996 /12/2012 SPK value 1000 CS 8996 /12/2012 SPK value 25.00 1000 S 8996 /13/2012 SPK value	SPK Ref Val Tes SPK Ref Val 0 Tes F SSPK Ref Val	RunNo: 39 ReqNo: 11 %REC 94.2 tCode: EF RunNo: 39 ReqNo: 11 %REC 101 94.4 tCode: EF RunNo: 39 ReqNo: 14 %REC	996 14782 LowLimit 69.7 PA Method 996 14783 LowLimit 98.5 69.7 PA Method 996 14785 LowLimit	Units: mg/k HighLimit 121 8015B: Gasc Units: mg/k HighLimit 133 121 8015B: Gasc Units: mg/k HighLimit	%RPD Dline Rang %RPD Dline Rang	RPDLimit RPDLimit	Qual

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits

RPD outside accepted recovery limits

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit Page 15 of 20

Reporting Detection Limit RL

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207212

17-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie Line #90898

Sample ID 1207464-001AM	SD SampT	ype: MS	SD	Tes	estCode: EPA Method 8015B: Gasoline Range					
Client ID: BatchQC	Batch	ID: R3	996	F	RunNo: 3	996				
Prep Date:	13/2012	S	SeqNo: 1	14786	Units: mg/k	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	21.30	7.764	91.4	85.4	147	2.07	19.2	
Surr: BFB	810		852.2		95.5	69.7	121	0	0	

Qualifiers:

- 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

Page 16 of 20

^{*/}X Value exceeds Maximum Contaminant Level.

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207212

17-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie Line #90898

Sample ID 5ML RB	SampType: MBLK			Tes	Code: El	PA Method	8015B: Gaso	е		
Client ID: PBW	Batcl	n ID: R3	996	R	lunNo: 3	996				
Prep Date:	Analysis D	oate: 7/	12/2012	S	eqNo: 1	14791	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	19		20.00		94.2	69.3	120			
Sample ID 2.5UG GRO LCS	SampT	ype: LC	s	Test	Code: El	PA Method	8015B: Gaso	line Rang	e	

Client ID: LCSW	Batch	1D: R3	996	F	RunNo: 3	996				
Prep Date:	Analysis D	ate: 7/	12/2012	8	SeqNo: 1	14792	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.51	0.050	0.5000	0	101	101	123			
Surr: BFB	19		20.00		94.4	69.3	120			
Sample ID 1207212-009AMS	SampT	ype: MS		Tes	tCode: El	PA Method	8015B: Gaso	line Rang	е	

Sample ID	1207212-009AMS	SampT	ype: M \$	5	Tes	tCode: E	PA Method	8015B: Gasol	ine Range	•	
Client ID:	TW-1	Batch	ID: R3	996	F	RunNo: 3	996				
Prep Date:		Analysis D	ate: 7 /	13/2012	S	SeqNo: 1	14859	Units: mg/L			
1						3/ 050			0/ 000		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	Result 1.0	0.10	1.000	0.05880	96.3	LowLimit 75.4	HighLimit 121	%RPD	RPDLimit	Qual

Sample ID 1207212-009AMSE) SampT	ype: M \$	SD	Test	tCode: El	PA Method	8015B: Gasol	ine Rang	е	
Client ID: TW-1	Batch	ID: R3	996	R	RunNo: 3	996				
Prep Date:	Analysis D	ate: 7 /	13/2012	S	SeqNo: 1	14860	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.98	0.10	1.000	0.05880	91.8	75.4	121	4.44	10.5	
Surr: BFB	38		40.00		95.2	69.3	120	0	0	

Qualifiers:

RPD outside accepted recovery limits

RL Reporting Detection Limit

Page 17 of 20

^{*/}X Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207212

17-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie Line #90898

Sample ID 1207187-001AM	Samp	Type: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: BatchQC	Batc	h ID: 27	52	F	RunNo: 3	991				
Prep Date: 7/10/2012	Analysis [Date: 7/	11/2012	S	SeqNo: 1	14129	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.049	0.9804	0.006969	102	67.2	113			
Toluene	1.0	0.049	0.9804	0.007 7 90	104	62.1	116			
Ethylbenzene	1.0	0.049	0.9804	0	103	67.9	127			
Xylenes, Total	3.0	0.098	2.941	0	103	60.6	134			
Surr: 4-Bromofluorobenzene	0.90		0.9804		92.2	80	120			
Sample ID 1207187-001AMS	SD Samp	Type: MS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: BatchQC	Batc	h ID: 27	52	F	RunNo: 3	991				
Prep Date: 7/10/2012	Analysis [Date: 7 /	11/2012	8	SeqNo: 1	14130	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.047	0.9407	0.006969	103	67.2	113	3.34	14.3	
Toluene	1.0	0.047	0.9407	0.007 7 90	107	62.1	116	1.09	15.9	
Ethylbenzene	1.0	0.047	0.9407	0	107	67.9	127	0.598	14.4	
Xylenes, Total	3.0	0.094	2.822	0	107	60.6	134	0.0625	12.6	
Surr: 4-Bromofluorobenzene	0.88		0.9407		93.3	80	120	0	0	
Sample ID 5ML RB	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: R3	996	F	RunNo: 3	996				
Prep Date:	Analysis [Date: 7/	12/2012	8	SeqNo: 1	14889	Units: mg/h	(g		
Analyte	Result	501	SPK value	CDK Det Vel	%REC	1	∐iahl imit	%RPD	DDDI: :	Ouel
<u> </u>	rtoodit	PQL	Of It value	SPK Rei vai	70KEC	LowLimit	HighLimit	/01 NI D	RPDLimit	Qual
Benzene	ND	0.050	Of It Value	SPK Rei Vai	70REC	LowLimit	HIGHLIMIL	70111 15	RPDLIMIT	Quai
Benzene Toluene			Of R value	SPK Rei Vai	76REC	LowLimit	nightimit	70111111	RPDLIMIT	Quai
	ND	0.050	Of IX Value	SPK Rei Vai	70REC	LOWLIMIT	nightimit	701111111111111111111111111111111111111	RPDLIMIT	Quai
Toluene Ethylbenzene	ND ND	0.050 0.050	Si it value	SPK Rei Val	%REC	LowLimit	HighLimit	701111111111111111111111111111111111111	RPDLIMIT	Quai
Toluene	ND ND ND	0.050 0.050 0.050	1.000	SPK Rei Val	95.4	LowLimit 80	120	70111 15	RPDLIMIT	Quai
Toluene Ethylbenzene Xylenes, Total	ND ND ND ND 0.95	0.050 0.050 0.050	1.000		95.4	80			RPDLIMIT	Quai
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND ND 0.95	0.050 0.050 0.050 0.10	1.000	Tes	95.4	80 PA Method	120		RPDLIMIT	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC	ND ND ND ND 0.95	0.050 0.050 0.050 0.10 Type: LC	1.000 S 996	Tes F	95.4 tCode: E l	80 PA Method 996	120	tiles	RPDLIMIT	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC Client ID: LCSS	ND ND ND ND 0.95	0.050 0.050 0.050 0.10 Type: LC	1.000 S 996 12/2012	Tes F	95.4 tCode: E l RunNo: 3	80 PA Method 996	120 8021B: Vola	tiles	RPDLimit	Qual
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC Client ID: LCSS Prep Date:	ND ND ND 0.95 S Samp Batc Analysis [0.050 0.050 0.050 0.10 Type: LC th ID: R3	1.000 S 996 12/2012	Tes F	95.4 tCode: El RunNo: 3 SeqNo: 1	80 PA Method 996 14890	120 8021B: Vola Units: mg/k	tiles		-
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC Client ID: LCSS Prep Date: Analyte	ND ND ND ND 0.95 S Samp Batc Analysis E	0.050 0.050 0.050 0.10 Type: LC h ID: R3 Date: 7/	1.000 S 996 12/2012 SPK value	Tes F S SPK Ref Val	95.4 tCode: El RunNo: 3 : SeqNo: 1 %REC	80 PA Method 996 14890 LowLimit	120 8021B: Vola Units: mg/k HighLimit	tiles		
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC Client ID: LCSS Prep Date: Analyte Benzene	ND ND ND ND 0.95 S Samp Batc Analysis [Result 1.0	0.050 0.050 0.050 0.10 Type: LC h ID: R3 Date: 7/ PQL 0.050	1.000 SS 996 12/2012 SPK value 1.000	Tes F S SPK Ref Val 0	95.4 tCode: El RunNo: 3 SeqNo: 1 %REC 104	80 PA Method 996 14890 LowLimit 76.3	120 8021B: Vola Units: mg/F HighLimit 117	tiles		-
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC Client ID: LCSS Prep Date: Analyte Benzene Toluene	ND ND ND ND 0.95 Samp Batc Analysis [Result 1.0 1.1	0.050 0.050 0.050 0.10 Type: LC h ID: R3 Date: 7/ PQL 0.050 0.050	1.000 SS 996 12/2012 SPK value 1.000 1.000	Tes F S SPK Ref Val 0 0	95.4 tCode: El RunNo: 3 SeqNo: 1 %REC 104 109	PA Method 996 14890 LowLimit 76.3 80 77 76.7	120 8021B: Vola Units: mg/k HighLimit 117 120 116 117	tiles		-
Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromofluorobenzene Sample ID 100NG BTEX LC Client ID: LCSS Prep Date: Analyte Benzene Toluene Ethylbenzene	ND ND ND O.95 S Samp Batc Analysis [Result 1.0 1.1	0.050 0.050 0.050 0.10 Type: LC h ID: R3 Date: 7/ PQL 0.050 0.050 0.050	1.000 SS 996 12/2012 SPK value 1.000 1.000	Tes F S SPK Ref Val 0 0 0	95.4 tCode: El RunNo: 3 SeqNo: 1 %REC 104 109 108	80 PA Method 996 14890 LowLimit 76.3 80 77	120 8021B: Vola Units: mg/k HighLimit 117 120 116	tiles		-

Qualifiers:

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

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

RL

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^{*/}X Value exceeds Maximum Contaminant Level.

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207212

17-Jul-!2

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie Line #90898

Sample ID 1207464-002AMS	Sampl	Гуре: МS	3	TestCode: EPA Method 8021B: Volatiles								
Client ID: BatchQC	Batch ID: R3996			F	RunNo: 3							
Prep Date:	ate: Analysis Date: 7/13/2012				SeqNo: 1	14893	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.050	1.056	0.003906	97.2	67.2	113					
Toluene	0.99	0.050	1.056	0.01235	92.3	62.1	1 16					
Ethylbenzene	1.1	0.050	1.056	0.01035	100	67.9	127					
Xylenes, Total	3.4	0.10	3.167	0.03885	105	60.6	134					
Surr: 4-Bromofluorobenzene	0.92		1.056		87.0	80	120					

Sample ID 1207464-002AM	ISD Samp	Гуре: М \$	SD	Tes	estCode: EPA Method 8021B: Volatiles							
Client ID: BatchQC	Batc	h ID: R3	996	F	RunNo: 3	996						
Prep Date:	Analysis [Analysis Date: 7/13/2012			SeqNo: 114894			(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.050	1.056	0.003906	95.2	67.2	113	2.09	14.3	·		
Toluene	0.96	0.050	1.056	0.01235	89.3	62.1	116	3.19	15.9			
Ethylbenzene	1.0	0.050	1.056	0.01035	97.1	67.9	127	2.98	14.4			
Xylenes, Total	3.3	0.10	3.167	0.03885	102	60.6	134	3.27	12.6			
Surr: 4-Bromofluorobenzene	1.2		1.056		110	80	120	0	0			

Qualifiers:

RL Reporting Detection Limit

Page 19 of 20

^{*/}X 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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207212

17-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie Line #90898

Sample ID 5ML RB	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBW	Batch	n ID: R3	996	F	lunNo: 3	996				
Prep Date:	Analysis D	ate: 7 /	12/2012	S	SeqNo: 1	14898	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0						·		
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		95.4	55	140			
Sample ID 100NG BTEX	LCS SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batch	n ID: R3	996	F	RunNo: 3	996				
Prep Date:	Analysis D)ate: 7 /	12/2012	5	SeqNo: 1	14899	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	80	120			
Toluene	22	1.0	20.00	0	109	80	120			
Ethylbenzene	22	1.0	20.00	0	108	80	120			
Xylenes, Total	65	2.0	60.00	0	109	80	120			
Surr: 4-Bromofluorobenzene	22		20.00		112	55	140			
Sample ID 1207212-010/	AMS SampT	уре: М \$	3	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: TW-2	Batch	h ID: R3	996	F	RunNo: 3	996				
Prep Date:	Analysis D	Date: 7/	12/2012	9	SeqNo: 1	14902	Units: µg/L			
Analyta	Pacult	POI	SDK value	SPK Ref Val	% DEC	Low imit	Highl imit	%RPD	RPDI imit	Qual

	· · · · · · · · · · · · · · · · ·) Fr	-							
Client ID: TW-2	Batcl	n ID: R3	996	F	RunNo: 3	996				
Prep Date:	Analysis Date: 7/12/2012			SeqNo: 114902			Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	41	2.0	40.00	1.084	101	70.1	118			
Toluene	45	2.0	40.00	4.248	102	72.3	117			
Ethylbenzene	42	2.0	40.00	0.5840	103	73.5	117			
Xylenes, Total	130	4.0	120.0	2.700	107	73.1	119			
Surr: 4-Bromofluorobenzene	39		40.00		98.3	55	140			

Sample ID 1207212-010AM	I SD SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles							
Client ID: TW-2	Batch	ID: R3	996	F							
Prep Date:	Analysis D	ate: 7/	12/2012	9	SeqNo: 1	14903	Units: µg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	40	2.0	40.00	1.084	98.1	70.1	118	2.61	16.4		
Toluene	44	2.0	40.00	4.248	98.6	72.3	117	2.96	13.9		
Ethylbenzene	41	2.0	40.00	0.5840	100	73.5	117	2.78	13.5		
Xylenes, Total	130	4.0	120.0	2.700	104	73.1	119	2.55	12.9		
Surr: 4-Bromofluorobenzene	37		40.00		92.7	55	140	0	0		

RL

Qualifiers:

Page 20 of 20

^{*/}X Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits

RPD outside accepted recovery limits R

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit Reporting Detection Limit



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

Clie	nt Name:	Animas En	vironmental	1 .	Wo	rk Orc	der N	Numb	er: '	120721	2		
Rec	eived by/date	· 1	$\gamma \Delta$	07/07/	12								
Log	ged By:	Ashley Gal	llegos	7/7/2012 10:30	0:00 AM				54	す			
Con	pleted By:	Astoley Gal	llegos /	7/9/2012 9:37:	27 AM				A	7			
Rev	iewed By: 👌		XILA	a	0/12					U			
	in of Cust	ody		0 110	1112	•							
	Were seals in		V			Yes		No		Not	Present ✓		
	Is Chain of C		plete?			Yes	v	No		Not	Present		
	How was the	-	-			Couri	ier						
	In												
Log													
4.	Coolers are p	present? (se	e 19. for cooler s	pecific informatio	n)	Yes	V :	No			NA		
5.	Was an atter	mpt made to	cool the sample	s?		Yes	✓ :	No	1 ;		NA		
6.	Were all sam	nples receive	ed at a temperatu	re of >0° C to 6.0	0°C	Yes	✓ :	No			NA .		
7.	Sample(s) in	proper conta	ainer(s)?			Yes	~	No					
8.	Sufficient sar	mple volume	for indicated tes	t(s)?		Yes	V ,	No					
9.	Are samples	(except VO	A and ONG) prop	erly preserved?		Yes	V	No	;				
10.	Was preserv	ative added	to bottles?			Yes	Í	No	V		NA		
11.	VOA vials ha	ive zero hea	dspace?			Yes	~	No	:	No VO	OA Vials		
12.	Were any sa	mple contair	ners received bro	ken?		Yes	1	No	~	:			
13.	Does paperw (Note discrep		ottle labels? hain of custody)			Yes	V	No			# of preserved bottles checked for pH:	d	
14.	Are matrices	correctly ide	entified on Chain	of Custody?		Yes	V	No		;	•	(<2 or >12 unless r	noted)
15.	ls it clear who	at analyses v	were requested?			Yes	✓	No		ī	Adjusted'	?	
16.		-	ole to be met?			Yes	✓.	No		:			
•			authorization.)								Checked I	by:	
	cial Handi												
17.	Was client no	otified of all (discrepancies wit	h this order?		Yes	į	No	•		NA :✔		
	Person	Notified:			Date:			TATAL VALOR	LACOLD AD PER	Manager Pag 1 20 20			
	By Who				Via:	eMai	l .	: Pr	one	Fa	x In Persor	n .	
	Regardi	-			THE SHARE SHARE SHARE								
	Client Ir	nstructions:											
18.	Additional rea	marks:											
10	Cooler Infor	mation											
19.			1 Condition 1	Seal Intact Sea	INOL S	al Da	to	1	Sian	ad By	1		

1.0

Good

Turn-Around Time:	- Rush ANAL	Project Name: Enterprise	Consorthe Galleges W	524 - 2381	sei)	o seJ as/Die	Sampler: 771/1(v) 18.1) 18.1) 18.1) 18.1) 19.10 19.	180 (v)	Matrix Sample Request ID Container Preservative Type and # Type BTEX + MTE TPH Method TPH Method	700-	120-36 1.5' -003	1		1 1 1 1 - 000 4 4 1	1 720-8011 J J -008 4 4	voter 720-2 6009 1/22 -009	76-3	1 1 1 1 1 1 1 1 1 1	x 710- T T S-01 T	Received by: Date	Religioushed by: / Received by: Date Time	
Chain-of-Custod	Client: Animas Equicosme		Mailing Address: しみゅ 色. G	- 1925	email or Fax#:	QA/QZ Package:	creditation NELAP	□ EDD (Type)	Matrix	1005 1 Tw		1 1000 1 76			1 verso 1 The	Voter	1 July 1	w/ Secti	7	Relinqu	Time: Religiou	A Paril ,



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

July 25, 2012

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

TEL: (505) 486-1776 FAX (505) 324-2022

RE: Enterprise Gallegos Well Tie #90898, Gallegos #2 OrderNo.: 1207447

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/11/2012 for the analyses presented in the following report.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1207447

Date Reported: 7/25/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Enterprise Gallegos Well Tie #90898, Ga

Lab ID: 1207447-001

Matrix: SOIL

Collection Date: 7/9/2012 3:18:00 PM

Client Sample ID: TW-9 @1.5'

Received Date: 7/11/2012 9:42:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	NGE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/16/2012 7:58:52 AM
Surr: DNOP	99.4	77.6-140	%REC	1	7/16/2012 7:58:52 AM
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst: RAA
Benzene	ND	0.049	mg/Kg	1	7/18/2012 8:25:28 PM
Toluene	ND	0.049	mg/Kg	1	7/18/2012 8:25:28 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/18/2012 8:25:28 PM
Xylenes, Total	ND	0.099	mg/Kg	1	7/18/2012 8:25:28 PM
Surr: 1,2-Dichloroethane-d4	96.6	70-130	%REC	1	7/18/2012 8:25:28 PM
Surr: 4-Bromofluorobenzene	102	70-130	%REC	1	7/18/2012 8:25:28 PM
Surr: Dibromofluoromethane	90.4	70-130	%REC	1	7/18/2012 8:25:28 PM
Surr: Toluene-d8	99.4	70-130	%REC	1	7/18/2012 8:25:28 PM
EPA METHOD 8015B MOD: GASO	LINE RANGE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/18/2012 8:25:28 PM
Surr: BFB	102	70-130	%REC	1	7/18/2012 8:25:28 PM

- */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
- 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
- U Samples with CalcVal < MDL</p>

Lab Order 1207447

Date Reported: 7/25/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-10 @1.5'

Project: Enterprise Gallegos Well Tie #90898, Ga

Collection Date: 7/9/2012 4:25:00 PM

Lab ID: 1207447-002

Matrix: SOIL

Received Date: 7/11/2012 9:42:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	IGE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/16/2012 9:04:26 AM
Surr: DNOP	103	77.6-140	%REC	1	7/16/2012 9:04:26 AM
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst: RAA
Benzene	ND	0.047	mg/Kg	1	7/18/2012 8:53:44 PM
Toluene	ND	0.047	mg/Kg	1	7/18/2012 8:53:44 PM
Ethylbenzene	ND	0.047	mg/Kg	1	7/18/2012 8:53:44 PM
Xylenes, Total	ND	0.095	mg/Kg	1	7/18/2012 8:53:44 PM
Surr: 1,2-Dichloroethane-d4	94.8	70-130	%REC	1	7/18/2012 8:53:44 PM
Surr: 4-Bromofluorobenzene	99.6	70-130	%REC	1	7/18/2012 8:53:44 PM
Surr: Dibromofluoromethane	89.6	70-130	%REC	1	7/18/2012 8:53:44 PM
Surr: Toluene-d8	98.4	70-130	%REC	1	7/18/2012 8:53:44 PM
EPA METHOD 8015B MOD: GASOL	INE RANGE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/18/2012 8:53:44 PM
Surr: BFB	99.6	70-130	%REC	1	7/18/2012 8:53:44 PM

Qualifiers:

- */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
- 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
- U Samples with CalcVal < MDL

Page 2 of 13

Lab Order 1207447

Date Reported: 7/25/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-11 @1.5'

Project: Enterprise Gallegos Well Tie #90898, Ga

Collection Date: 7/9/2012 3:25:00 PM

Lab ID: 1207447-003

Matrix: SOIL

Received Date: 7/11/2012 9:42:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/16/2012 9:26:17 AM
Surr: DNOP	105	77.6-140	%REC	1	7/16/2012 9:26:17 AM
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst: RAA
Benzene	ND	0.047	mg/Kg	1	7/18/2012 9:21:56 PM
Toluene	ND	0.047	mg/Kg	1	7/18/2012 9:21:56 PM
Ethylbenzene	ND	0.047	mg/Kg	1	7/18/2012 9:21:56 PM
Xylenes, Total	ND	0.094	mg/Kg	1	7/18/2012 9:21:56 PM
Surr: 1,2-Dichloroethane-d4	95.4	70-130	%REC	1	7/18/2012 9:21:56 PM
Surr: 4-Bromofluorobenzene	99.6	70-130	%REC	1	7/18/2012 9:21:56 PM
Surr: Dibromofluoromethane	93.0	70-130	%REC	1	7/18/2012 9:21:56 PM
Surr: Toluene-d8	96.8	70-130	%REC	1	7/18/2012 9:21:56 PM
EPA METHOD 8015B MOD: GASOL	INE RANGE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/18/2012 9:21:56 PM
Surr: BFB	99.6	70-130	%REC	1	7/18/2012 9:21:56 PM

- */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
- 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
- U Samples with CalcVal < MDL

Lab Order 1207447

Date Reported: 7/25/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: TW-12 @1.5'

roject: Enterprise Gallegos Well Tie #90898, Ga Collection Date: 7/9/2012 4:40:00 PM

Lab ID: 1207447-004 Matrix: SOIL Received Date: 7/11/2012 9:42:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAM	IGE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/16/2012 9:48:06 AM
Surr: DNOP	103	77.6-140	%REC	1	7/16/2012 9:48:06 AM
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst: RAA
Benzene	ND	0.048	mg/Kg	1	7/18/2012 9:50:05 PM
Toluene	ND	0.048	mg/Kg	1	7/18/2012 9:50:05 PM
Ethylbenzene	ND	0.048	mg/Kg	1	7/18/2012 9:50:05 PM
Xylenes, Total	ND	0.096	mg/Kg	1	7/18/2012 9:50:05 PM
Surr: 1,2-Dichloroethane-d4	99.3	70-130	%REC	1	7/18/2012 9:50:05 PM
Surr: 4-Bromofluorobenzene	102	70-130	%REC	1	7/18/2012 9:50:05 PM
Surr: Dibromofluoromethane	94.3	70-130	%REC	1	7/18/2012 9:50:05 PM
Surr: Toluene-d8	99.0	70-130	%REC	1	7/18/2012 9:50:05 PM
EPA METHOD 8015B MOD: GASOI	LINE RANGE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/18/2012 9:50:05 PM
Surr: BFB	102	70-130	%REC	1	7/18/2012 9:50:05 PM

Qualifiers:

*/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

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

U Samples with CalcVal < MDL

Page 4 of 13

Lab Order 1207447

Date Reported: 7/25/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-10

Project: Enterprise Gallegos Well Tie #90898, Ga

Collection Date: 7/9/2012 1:45:00 PM

Lab ID: 1207447-005

Matrix: AQUEOUS

Received Date: 7/11/2012 9:42:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	IGE				Analyst: SCC
Diesel Range Organics (DRO)	ND	1.5	mg/L	1	7/12/2012 7:36:27 PM
Surr: DNOP	130	79.5-166	%REC	1	7/12/2012 7:36:27 PM
EPA METHOD 8260: VOLATILES S	HORT LIST				Analyst: RAA
Benzene	ND	2.0	μg/L	2	7/17/2012 5:58:24 PM
Toluene	ND	2.0	μg/L	2	7/17/2012 5:58:24 PM
Ethylbenzene	ND	2.0	μg/L	2	7/17/2012 5:58:24 PM
Methyl tert-butyl ether (MTBE)	ND	2.0	μg/L	2	7/17/2012 5:58:24 PM
Xylenes, Total	ND	4.0	μg/L	2	7/17/2012 5:58:24 PM
Surr: 1,2-Dichloroethane-d4	90.9	70-130	%REC	2	7/17/2012 5:58:24 PM
Surr: 4-Bromofluorobenzene	111	70-130	%REC	2	7/17/2012 5:58:24 PM
Surr: Dibromofluoromethane	89.4	70-130	%REC	2	7/17/2012 5:58:24 PM
Surr: Toluene-d8	99.2	70-130	%REC	2	7/17/2012 5:58:24 PM
MODIFIED EPA METHOD 8015B: G	ASOLINE RANG	E			Analyst: RAA
Gasoline Range Organics (GRO)	ND	0.10	mg/L	2	7/17/2012 5:58:24 PM
Surr: BFB	111	70-130	%REC	2	7/17/2012 5:58:24 PM

- 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
- 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
 - J Samples with CalcVal < MDL

Lab Order 1207447

Date Reported: 7/25/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TW-8

Project: Enterprise Gallegos Well Tie #90898, Ga

Collection Date: 7/9/2012 10:55:00 AM

Lab ID: 1207447-006

Matrix: AQUEOUS

Received Date: 7/11/2012 9:42:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE				Analyst: SCC
Diesel Range Organics (DRO)	1.1	1.0	mg/L	1	7/12/2012 7:58:11 PM
Surr: DNOP	137	79.5-166	%REC	1	7/12/2012 7:58:11 PM
EPA METHOD 8260: VOLATILES SI	HORT LIST				Analyst: RAA
Benzene	3.7	2.0	μg/L	2	7/17/2012 6:26:38 PM
Toluene	4.1	2.0	μg/L	2	7/17/2012 6:26:38 PM
Ethylbenzene	ND	2.0	μg/L	2	7/17/2012 6:26:38 PM
Methyl tert-butyl ether (MTBE)	ND	2.0	μg/L	2	7/17/2012 6:26:38 PM
Xylenes, Total	ND	4.0	μg/L	2	7/17/2012 6:26:38 PM
Surr: 1,2-Dichloroethane-d4	96.4	70-130	%REC	2	7/17/2012 6:26:38 PM
Surr: 4-Bromofluorobenzene	96.2	70-130	%REC	2	7/17/2012 6:26:38 PM
Surr: Dibromofluoromethane	93.9	70-130	%REC	2	7/17/2012 6:26:38 PM
Surr: Toluene-d8	104	70-130	%REC	2	7/17/2012 6:26:38 PM
MODIFIED EPA METHOD 8015B: G	ASOLINE RANG	E			Analyst: RAA
Gasoline Range Organics (GRO)	ND	0.10	mg/L	2	7/17/2012 6:26:38 PM
Surr: BFB	96.2	70-130	%REC	2	7/17/2012 6:26:38 PM

- */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
- 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
 - Samples with CalcVal < MDL Page 6 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207447

25-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie #90898, Gallegos

Project:	Enterprise Gallegos	well 11	ie #90898,	Gallegos						
Sample ID MB-282	1 SampT	ype: MB	LK	Test	Code: EF	PA Method	8015B: Dies	el Range C	Organics	
Client ID: PBS	Batch	ID: 282	1	R	lunNo: 40	037				
Prep Date: 7/15/20	012 Analysis D	ate: 7/1	6/2012	S	eqNo: 1	15383	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (E	PRO) ND	10								
Surr: DNOP	11		10.00		110	77.6	140			
Sample ID LCS-28	21 SampT	ype: LC	5	Test	Code: Ef	PA Method	8015B: Dies	el Range C	Organics	
Client ID: LCSS	Batch	ID: 282	1	R	lunNo: 40	037				
Prep Date: 7/15/20	O12 Analysis D	ate: 7/1	6/2012	S	SeqNo: 1	15384	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (D	ORO) 36	10	50.00	0	71.5	52.6	130			
Surr: DNOP	4.9		5.000		97.9	77.6	140			
Sample ID 120744	7-001AMS SampT	уре: МЅ		Tes	tCode: El	PA Method	8015B: Dies	el Range (Organics	•
Client ID: TW-9 @	1.5' Batch	ID: 282	:1	F	RunNo: 40	037				
Prep Date: 7/15/2	012 Analysis D	ate: 7/1	6/2012	S	SeqNo: 1	15386	Units: mg/h	K g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics ([ORO) 36	9.8	49.21	0	73.6	57.2	146			
Surr: DNOP	4.0		4.921		81.8	77.6	140			
Sample ID 120744	7-001AMSD SampT	ype: MS	D	Tes	tCode: El	PA Method	8015B: Dies	el Range (Organics	
Client ID: TW-9@	1.5' Batch	ID: 282	<u>:</u> 1	F	RunNo: 4	037				
Prep Date: 7/15/2	012 Analysis D	ate: 7/1	16/2012	S	SeqNo: 1	15387	Units: mg/l	⟨g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics ([ORO) 35	9.9	49.46	0	71.4	57.2	146	2.54	24.5	
Surr: DNOP	3.9		4.946		77.9	77.6	140	0	0	

- 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
- Page 7 of 13

^{*/}X Value exceeds Maximum Contaminant Level.

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207447

25-Jul-!2

Client:

Animas Environmental Services

Project: Enterpr	rise Gallegos Well Tie #90	1898, Gallegos									
Sample ID MB-2787	SampType: MBLK	TestCode:	TestCode: EPA Method 8015B: Diesel Range								
Client ID: PBW	Batch ID: 2787	RunNo:	3976								
Prep Date: 7/11/2012	Analysis Date: 7/11/201	2 SeqNo:	113665	Jnits: mg/L							
Analyte	Result PQL SPK	value SPK Ref Val %RE	C LowLimit	HighLimit %RPD	RPDLimit	Qual					
Diesel Range Organics (DRO)	ND 1.0										
Surr: DNOP	1.4 1	1.000 13	8 61.3	164							
Sample ID LCS-2787	SampType: LCS	TestCode:	EPA Method 80	015B: Diesel Range							
Client ID: LCSW	Batch ID: 2787	RunNo:	3976								
Prep Date: 7/11/2012	Analysis Date: 7/11/201:	2 SeqNo:	113666	Jnits: mg/L							
Analyte	Result PQL SPK	value SPK Ref Val %RE	C LowLimit	HighLimit %RPD	RPDLimit	Qual					
Diesel Range Organics (DRO)	4.5 1.0 5	5.000 0 90.	2 7 4	157							
Surr: DNOP	0.54 0.5	5000 10	8 61.3	164							
Sample ID LCSD-2787	SampType: LCSD	TestCode:	EPA Method 80	015B: Diesel Range							
Client iD: LCSS02	Batch ID: 2787	RunNo:	3976								
Prep Date: 7/11/2012	Analysis Date: 7/11/201	2 SeqNo:	113667 U	Jnits: mg/L							
Analyte	Result PQL SPK	value SPK Ref Val %RE	C LowLimit	HighLimit %RPD	RPDLimit	Qual					
Diesel Range Organics (DRO)	4.7 1.0 5	5.000 0 94.	9 74	157 5.02	23						
Surr: DNOP	0.57 0.5	5000 11	4 61.3	164 0	0						

Qualifiers:

Reporting Detection Limit

^{*/}X Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits

RPD outside accepted recovery limits

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207447

25-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie #90898, Gallegos

Sample ID mb-2798	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8260B: Vola	tiles Short	List	
Client ID: PBS	Batc	h ID: 27 9	98	F	Run N o: 4	142				
Prep Date: 7/12/2012	Analysis [Date: 7 /	18/2012	5	SeqNo: 1	18488	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.9	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		91.4	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			
Sample ID Ics-2798	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: LCSS	Batc	h ID: 27 9	98	F	RunNo: 4	142				
Prep Date: 7/12/2012	Analysis D	Date: 7/	18/2012	S	SeqNo: 1	18489	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	113	70.7	123			
Toluene	1.0	0.050	1.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		100	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.5	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.48		0.5000		96.0	70	130			
Sample ID 1207447-001ams	Samp	Type: MS		Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: TW-9 @1.5'	Batcl	h ID: 27 9	98	F	RunNo: 4	142				
Prep Date: 7/12/2012	Analysis D	Date: 7/	18/2012	8	SeqNo: 1	18490	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.049	0.9747	0	90.1	81.3	119			
Toluene	0.86	0.049	0.9747	0	88.5	75	121			
Surr: 1,2-Dichloroethane-d4	0.49		0.4873		99.6	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.4873		102	70	130			
Surr: Dibromofluoromethane	0.47		0.4873		97.1	70	130			
Surr: Toluene-d8	0.50		0.4873		103	70	130			
Sample ID 1207447-001amed	CompT	was MS	n	Taa-	tCodo: FI	DA Mathad	9260B: Vola	ilaa Chaad	1:-4	

	Jnits: mg/Kg HighLimit %F	RPD RPDLimi	t Qual
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit Result Benzene 0.85 0.049 0.9891 0 86.3 81.3	0 0	RPD RPDLimi	t Oual
Benzene 0.85 0.049 0.9891 0 86.3 81.3	HighLimit %F	RPD RPDLimi	t Oual
			c Quai
Taluana 0.93 0.040 0.0001 0.93 75	119 2	2.82 15.7	
Toluene 0.82 0.049 0.9691 0 62.5 75	121	5.61 16.2	
Surr: 1,2-Dichloroethane-d4 0.47 0.4946 94.2 70	130	0 0	
Surr: 4-Bromofluorobenzene 0.50 0.4946 101 70	130	0 0	

Qualifiers:

RL Reporting Detection Limit

Page 9 of 13

^{*/}X 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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207447

25-Jul-!2

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie #90898, Gallegos

Sample ID 1207447-001amsd	SampTy	ре: М	SD	TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: TW-9 @1.5'	Batch	ID: 27	98	R	RunNo: 4	142					
Prep Date: 7/12/2012	Analysis Da	te: 7	/19/2012	S	SeqNo: 1	18491	Units: mg/l	Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: Dibromofluoromethane	0.46		0.4946		92.9	70	130	0	0		
Surr: Toluene-d8	0.47		0.4946		95.4	70	130	0	0		

Sample ID mb-2878	TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: PBS	RunNo: 4161									
Prep Date: 7/18/2012	Analysis Date: 7/19/2012			S	SeqNo: 1	19464	Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		97.7	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		107	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.0	70	130			
Surr: Toluene-d8	0.47		0.5000		94.9	70	130			

Sample ID Ics-2878	SampT	SampType: LCS			TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: 2878 Analysis Date: 7/ 19/2012			F	RunNo: 4161								
Prep Date: 7/18/2012				S	SeqNo: 1	19480	Units: %REC						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.2	70	130						
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.7	70	130						
Surr: Dibromofluoromethane	0.46		0.5000		92.1	70	130						
Surr: Toluene-d8	0.49		0.5000		97.2	70	130						

^{*/}X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207447

25-Jul-12

Client:

Animas Environmental Services

Project:

Enterprise Gallegos Well Tie #90898, Gallegos

Sample ID 100ng Ics	SampT	ype: LC	s	TestCode: EPA Method 8260: Volatiles Short List									
Client ID: LCSW	Batch	1 ID: R4	094	F	RunNo: 4	094							
Prep Date:	Analysis D	ate: 7/	17/2012	S	SeqNo: 1	17443	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	21	1.0	20.00	0	107	84.1	126						
Toluene	20	1.0	20.00	0	98.7	80	120						
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.4	70	130						
Surr: 4-Bromofluorobenzene 10 10.00		101 70			130								
Surr: Dibromofluoromethane	mofluoromethane 9.5 10.00				94.7	70	130						
Surr: Toluene-d8	10		10.00		101	70	130						

Qualifiers:

R RPD outside accepted recovery limits

RL Reporting Detection Limit

Page 11 of 13

^{*/}X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1207417 25-Jul-/2

Client: Animas Environmental Services

Project:	Enterprise	e Ganegos	***************************************	16 #70070,									
Sample ID	5ml rb	SampT	ype: M	BLK	TestCode: EPA Method 8015B Mod: Gasoline Range								
Client ID:	PBS	Batch	ID: R4	1094	RunNo: 4094								
Prep Date:		Analysis Da	ate: 7 /	17/2012	S	SeqNo: 1	17413	Units: mg/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
	e Organics (GRO)	ND	5.0	500.0		20.5		400					
Surr: BFB		490		500.0		98.5	70	130					
Sample ID	2.5ug gro lcs	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015B Mod:	Gasoline	Range			
Client ID:	LCSS	Batch	ID: R4	094	F	RunNo: 4	094						
Prep Date:		Analysis Da	ate: 7/	17/2012	S	SeqNo: 1	17414	Units: mg/h	K g				
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
ū	e Organics (GRO)	25	5.0	25.00	0	99.2	85	115					
Surr: BFB		490		500.0		98.7	70	130					
Sample ID	1207420-005A MS	SampTy	/pe: M \$	3	Tes	tCode: El	PA Method	8015B Mod:	Gasoline	Range			
Client ID:	BatchQC	Batch	ID: R4	094	F	RunNo: 4	094						
Prep Date:		Analysis Da	ate: 7/	18/2012	S	SeqNo: 1	17415	Units: mg/F	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Rasoline Rang	e Organics (GRO)	15	F 0	16.42				400					
•	o organios (orto)		5.0		0	94.1	70 70	130					
Surr: BFB	o organios (orto)	310	5.0	328.3	0	94.1 92.9	70	130					
Surr: BFB	1207420-005A MS	310		328.3		92.9	70		Gasoline	Range			
Surr: BFB	1207420-005A MS	310 D SampTy		328.3	Tesi	92.9	70 PA Method	130	Gasoline	Range			
Surr: BFB	1207420-005A MS	310 D SampTy	/pe: M \$	328.3 SD 994	Tesi	92.9 tCode: El	70 PA Method 094	130		Range			
Surr: BFB Sample ID Client ID:	1207420-005A MS	310 D SampTy Batch	/pe: M \$	328.3 SD .094 '18/2012 SPK value	Tesi	92.9 Code: El RunNo: 4 SeqNo: 1	70 PA Method 094 17416 LowLimit	8015B Mod: Units: mg/k	(g %RPD	RPDLimit	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang	1207420-005A MS	D SampTy Batch Analysis Da Result	/pe: MS ID: R4 ate: 7/	328.3 6D 6094 718/2012 SPK value 16.42	Tesi F	92.9 Code: El RunNo: 4 SeqNo: 1 %REC 93.5	70 PA Method 094 17416 LowLimit 70	8015B Mod: Units: mg/k HighLimit 130	% RPD 0.597	RPDLimit 20	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte	1207420-005A MS BatchQC	310 D SampTy Batch Analysis Da	/pe: M\$ ID: R4 ate: 7 /	328.3 SD .094 '18/2012 SPK value	Test F S SPK Ref Val	92.9 Code: El RunNo: 4 SeqNo: 1	70 PA Method 094 17416 LowLimit	8015B Mod: Units: mg/k	(g %RPD	RPDLimit	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	1207420-005A MS BatchQC e Organics (GRO)	D SampTy Batch Analysis Da Result	/pe: MS ID: R4 ate: 7/ PQL 5.0	328.3 5D 6094 18/2012 SPK value 16.42 328.3	Test F S SPK Ref Val 0	92.9 tCode: El RunNo: 4 SeqNo: 1 %REC 93.5 91.9	70 PA Method 094 17416 LowLimit 70 70	8015B Mod: Units: mg/k HighLimit 130	%RPD 0.597 0	RPDLimit 20 0	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID	1207420-005A MS BatchQC e Organics (GRO)	D SampTy Batch Analysis Da Result 15 300 SampTy	/pe: MS ID: R4 ate: 7/ PQL 5.0	328.3 5D 0994 18/2012 SPK value 16.42 328.3	Tesi S SPK Ref Val 0	92.9 tCode: El RunNo: 4 SeqNo: 1 %REC 93.5 91.9	70 PA Method 094 17416 LowLimit 70 70 PA Method	130 8015B Mod: Units: mg/F HighLimit 130 130 8015B Mod:	%RPD 0.597 0	RPDLimit 20 0	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	1207420-005A MS BatchQC e Organics (GRO) mb-2798	D SampTy Batch Analysis Da Result 15 300 SampTy	/pe: MS ID: R4 ate: 7/ PQL 5.0 //pe: ME	328.3 5D .094 18/2012 SPK value 16.42 328.3 BLK 98	Tesi F S SPK Ref Val 0	92.9 tCode: EI tRunNo: 4 tGeqNo: 1 %REC 93.5 91.9 tCode: EI	70 PA Method 094 17416 LowLimit 70 70 PA Method 142	130 8015B Mod: Units: mg/k HighLimit 130 130	%RPD 0.597 0	RPDLimit 20 0	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS 7/12/2012	D SampTy Batch Analysis Da Result 15 300 SampTy Batch Analysis Da Result	/pe: MS ID: R4 ate: 7/ PQL 5.0 /pe: ME ID: 27 ate: 7/	328.3 SD 1094 118/2012 SPK value 16.42 328.3 BLK 98	Tesi F S SPK Ref Val 0	92.9 Code: EI RunNo: 4 SeqNo: 1 %REC 93.5 91.9 Code: EI RunNo: 4 SeqNo: 1	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395	130 8015B Mod: Units: mg/F HighLimit 130 130 8015B Mod:	%RPD 0.597 0	RPDLimit 20 0	Qual		
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS	D SampTy Batch Analysis Da Result 15 300 SampTy Batch Analysis Da	/pe: MS ID: R4 ate: 7/ PQL 5.0 /pe: ME ID: 27 ate: 7/	328.3 SD 1094 118/2012 SPK value 16.42 328.3 BLK 98	Tesi SPK Ref Val 0 Tesi S	92.9 Code: EI RunNo: 4 SeqNo: 1 %REC 93.5 91.9 Code: EI RunNo: 4 SeqNo: 1	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395	130 8015B Mod: Units: mg/k HighLimit 130 130 8015B Mod: Units: mg/k	%RPD 0.597 0 Gasoline	RPDLimit 20 0			
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS 7/12/2012 e Organics (GRO)	D SampTy Batch Analysis Da Result 15 300 SampTy Batch Analysis Da Result ND	/pe: MS ID: R4 ate: 7/ PQL 5.0 //pe: ME ID: 27 ate: 7/ PQL 5.0	328.3 5D 094 18/2012 SPK value 16.42 328.3 3LK 98 18/2012 SPK value 500.0	Tesi SPK Ref Val 0 Tesi F SPK Ref Val	92.9 ICode: EI RunNo: 4 REC 93.5 91.9 ICode: EI RunNo: 4 ReqNo: 1 RREC 97.9	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395 LowLimit 70	130 8015B Mod: Units: mg/F HighLimit 130 130 8015B Mod: Units: mg/F HighLimit	%RPD 0.597 0 Gasoline %RPD	RPDLimit 20 0 Range			
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Sample ID Sample ID Sample ID	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS 7/12/2012 e Organics (GRO)	Batch Analysis Da Result 15 300 SampTy Batch Analysis Da Result Analysis Da Result ND 490 SampTy	/pe: MS ID: R4 ate: 7/ PQL 5.0 //pe: ME ID: 27 ate: 7/ PQL 5.0	328.3 5D 6094 18/2012 SPK value 16.42 328.3 BLK 98 18/2012 SPK value 500.0	Test SPK Ref Val 0 Test SPK Ref Val Test	92.9 ICode: EI RunNo: 4 REC 93.5 91.9 ICode: EI RunNo: 4 ReqNo: 1 RREC 97.9	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395 LowLimit 70 PA Method	130 8015B Mod: Units: mg/F HighLimit 130 130 8015B Mod: Units: mg/F HighLimit	%RPD 0.597 0 Gasoline %RPD	RPDLimit 20 0 Range			
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Client ID: Client ID: Client ID: Client ID:	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS 7/12/2012 e Organics (GRO)	Batch Analysis Da Result 15 300 SampTy Batch Analysis Da Result Analysis Da Result ND 490 SampTy	/pe: MS ID: R4 ate: 7/ PQL 5.0 /pe: ME ID: 27 ate: 7/ PQL 5.0 /pe: L0 ID: 27	328.3 SD .094 /18/2012 SPK value	Tesi SPK Ref Val 0 Tesi SSPK Ref Val Tesi	92.9 ICode: EI RunNo: 4 REC 93.5 91.9 ICode: EI RunNo: 4 ReqNo: 1 %REC 97.9	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395 LowLimit 70 PA Method 142	130 8015B Mod: Units: mg/F HighLimit 130 130 8015B Mod: Units: mg/F HighLimit	%RPD 0.597 0 Gasoline %RPD Gasoline	RPDLimit 20 0 Range			
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Prep Date:	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS 7/12/2012 e Organics (GRO)	D SampTy Batch Analysis Da Result 15 300 SampTy Batch Analysis Da Result ND 490 SampTy Batch	/pe: MS ID: R4 ate: 7/ PQL 5.0 /pe: ME ID: 27 ate: 7/ PQL 5.0 /pe: L0 ID: 27	328.3 5D 6094 18/2012 SPK value 16.42 328.3 3LK 98 18/2012 SPK value 500.0	Tesi SPK Ref Val 0 Tesi SSPK Ref Val Tesi	92.9 Code: EI RunNo: 4 REC 93.5 91.9 Code: EI RunNo: 4 REC 97.9 Code: EI RunNo: 4 REC 97.9	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395 LowLimit 70 PA Method 142	130 8015B Mod: Units: mg/F HighLimit 130 130 8015B Mod: Units: mg/F HighLimit 130 8015B Mod:	%RPD 0.597 0 Gasoline %RPD Gasoline	RPDLimit 20 0 Range			
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte Analyte Analyte Analyte Analyte Analyte	1207420-005A MS BatchQC e Organics (GRO) mb-2798 PBS 7/12/2012 e Organics (GRO)	Batch Analysis Da Result 15 300 SampTy Batch Analysis Da Result ND 490 SampTy Batch Analysis Da	/pe: MS ID: R4 ate: 7/ PQL 5.0 /pe: ME ID: 27 ate: 7/ PQL 5.0 /pe: LC /pe: LC ID: 27 ate: 7/	328.3 5D 6094 18/2012 SPK value 16.42 328.3 3LK 98 18/2012 SPK value 500.0	Tesi SPK Ref Val 0 Tesi SPK Ref Val Tesi S	92.9 Code: EI RunNo: 4 REC 93.5 91.9 Code: EI RunNo: 4 REC 97.9 Code: EI RunNo: 4 REC 97.9	70 PA Method 094 17416 LowLimit 70 70 PA Method 142 18395 LowLimit 70 PA Method 142 18396	130 8015B Mod: Units: mg/k HighLimit 130 130 8015B Mod: Units: mg/k HighLimit 130 8015B Mod: Units: mg/k	%RPD 0.597 0 Gasoline %RPD Gasoline	RPDLimit 20 0 Range RPDLimit	Qual		

Qualifiers:

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

Page 12 of 13

^{*/}X Value exceeds Maximum Contaminant Level.

Hall Environmental Analysis Laboratory, Inc.

WO#:

1207447

25-Jul-12

	Environmental Services ise Gallegos Well Tie #9											
Sample ID 5ml rb	SampType: MBLK	Te	TestCode: Modified EPA Method 8015B: Gasoline Range									
Client ID: PBW	Batch ID: R4094		RunNo: 4094									
Prep Date:	Analysis Date: 7/17/201	12	SeqNo: 117394	Units: mg/L								
Analyte	Result PQL SPK	value SPK Ref Va	8 %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Gasoline Range Organics (GRO) Surr: BFB	ND 0.050 9.8	10.00	98.5 70	130								
Sample ID 2.5ug gro ics	SampType: LCS	Te	estCode: Modified EP	A Method 8015B: Gaso	oline Range							
Client ID: LCSW	Batch ID: R4094		RunNo: 4094									
Prep Date:	Analysis Date: 7/17/201	12	SeqNo: 117397	Units: mg/L								
Analyte	Result PQL SPK	value SPK Ref Va	I %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Gasoline Range Organics (GRO)		0.5000 0	99.2 85	115								
Surr: BFB	9.9	10.00	98.7 70	130								
Sample ID 1207596-001A M	SampType: MS	Τe	estCode: Modified EP	A Method 8015B: Gaso	oline Range							
Client ID: BatchQC	Batch ID: R4094		RunNo: 4094									
Prep Date:	Analysis Date: 7/17/201	12	SeqNo: 117407	Units: mg/L								
Analyte	Result PQL SPK	value SPK Ref Va	I %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Gasoline Range Organics (GRO)		0.5000 0	98.6 70	130								
Surr: BFB	9.7	10.00	96.9 70	130								
Sample ID 1207596-001A M	ISD SampType: MSD	Τε	estCode: Modified EP	A Method 8015B: Gaso	oline Range							
Client ID: BatchQC	Batch ID: R4094		RunNo: 4094									
Prep Date:	Analysis Date: 7/17/20	12	SeqNo: 117408	Units: mg/L								
Analyte	Result PQL SPK	value SPK Ref Va	REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Gasoline Range Organics (GRO)		0.5000 0	94.3 70	130 4.40	20							
Surr: BFB	9.9	10.00	99.5 70	130 0	0							
Sample ID 5ml rb	SampType: MBLK	Te	estCode: Modified EP	A Method 8015B: Gaso	oline Range							
Client ID: PBW	Batch ID: R4142		RunNo: 4142									
Prep Date:	Analysis Date: 7/18/20	12	SeqNo: 118384	Units: %REC								
Analyte	Result PQL SPK	value SPK Ref Va	al %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Surr: BFB	10	10.00	103 70	130								
Sample ID 2.5ug gro lcs	SampType: LCS	Te	estCode: Modified EP	A Method 8015B: Gaso	oline Range							
Client 1D: LCSW	Batch ID: R4142		RunNo: 4142									
Prep Date:	Analysis Date: 7/18/20	12	SeqNo: 118386	Units: %REC								

Qualifiers:

Analyte

Surr: BFB

*/X Value exceeds Maximum Contaminant Level.

Result

9.5

PQL

10.00

- Value above quantitation range Е
- Analyte detected below quantitation limits
- RPD outside accepted recovery limits

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

95.1

Reporting Detection Limit

SPK value SPK Ref Val %REC LowLimit

Page 13 of 13

RPDLimit

%RPD

HighLimit

130

70



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

						ستنبد				
Clien	t Name:	Animas Environmental	, 1 W	ork Ord	ler N	lumb	er: 1	2074	47	
Rece	eived by/date		07/11/12							
Logg	ed By:	Ashley Gallegos	7/11/2012 9:42:00 AM				A	F		
Com	pleted By:	Ashley Gallegos	7/11/2012 5:41:32 PM				A	7		
Revie	ewed By: 🚤	mg	07/12/12					u		
<u>Chai</u>	in of Cust	tody	, , _							
1. \	Were seals i	intact?		Yes	. '	No	1	Not	Present 🗸	
2.	Is Chain of C	Custody complete?		Yes	V	No		Not	Present	
3.	How was the	e sample delivered?		Cour	<u>ier</u>					
Log	<u>In</u>									
4.	Coolers are	present? (see 19. for coole	r specific information)	Yes	~	No	!		NA :	
5.	Was an atte	empt made to cool the samp	oles?	Yes	,√ ,	No			NA	
6.	Were all sar	mples received at a tempera	ature of >0° C to 6.0°C	Yes	V	No	:		NA ·	
7.	Sample(s) in	n proper container(s)?		Yes	~	No	:			
8.	Sufficient sa	ample volume for indicated t	test(s)?	Yes	V	No				
9.	Are samples	s (except VOA and ONG) p	roperly preserved?	Yes	•	No				
		vative added to bottles?		Yes		No	V		NA	
11.	VOA vials h	ave zero headspace?		Yes	~	No	: :	No V	OA Vials	
		ample containers received to	broken?	Yes		No	V	!		
		work match bottle labels? epancies on chain of custod		Yes	~	No	: '	:	# of preserved bottles checked for pH:	
14.	Are matrices	s correctly identified on Cha	ain of Custody?	Yes	V	No	:	i	•	<2 or >12 unless noted)
15.	ls it clear wi	hat analyses were requeste	d?	Yes	~	No		:	Adjusted?	•
		Iding times able to be met? customer for authorization		Yes	V	No			Checked b	py:
Spe	cial Hand	lling (if applicable)								
17.	Was client r	notified of all discrepancies	with this order?	Yes		No	:		NA 🗸	
	Persor	n Notified:	Date:	100 MAY 12 MAY 1	*** *********************************		100000000000000000000000000000000000000	W. W. W.		
	: By Wh	nom:	Via:	eMa	iil ;	: P	hone	F	ax In Person	1
	Regard	A THE SAME AND A SAME		THE CHARLES			-		THE RESERVE AND ADDRESS OF THE PART OF THE	MATTER CONTROL OF THE
	Client	Instructions:				المحدثات يسامه				
18.	Additional re	remarks: 1207447-0	105A pH=26	NF 7	liøl	12				
			•							
19.	Cooler Info		Seal Intact Seal No	Seal Da	ate	1	Sign	ed By		
	1	1.0 Good	Yes							

	4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	(*OS'*Oc	(1.814 (1.402) (HA9 7 (HA9 7) (A00,eON (A0)	TPH (Method EDB (Method 8310 (PNA or Anions (F,Cl, 8081 Pesticid 8081 Pesticid 8270 (Semi-V	<u> </u>	> 9		X	×		Bill to Enterprise	2 CAUS - Octo With Tromas Long. Mg 7(12/12 converse on mittee of this mostivility. Any entranded data will be clearly installed contract and converse on mittee of this mostivility.
2	4901 Tel.	Gas only)) H9T + 3	8TEX + MT8 8TEX + MT8			* * *	×			Remarks:	Ven - ool
90896 GUIGE		33	6		/00-	+	200		1000-		Date Time R	
Rush	.		اما دس	Preservative Type	1ce	_	+	ĬĘ.	7		7	To the standard of the standar
Turn-Around Time:	Project #:	Project Manager:	Sampler: The	. #	407 Sav		>	60045	3 JOAS		Regeived by:	3 /\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Chain-of-Custody Record	Forwire for MM			Sample Request ID			76-13 C.1.5	JU-10	70-8		d by:	Relindished by: Receiver by: And Lollo Samples eighnited to Hall Environmental may be eighnortharded to whe
of-Cu	a hea	1 1	Other	Matrix	1:05		->	woler	7		Relinquished by:	Relindished by:
Animas	Towning and	email or Fax#: QA/QC Package:	ation	Time		2 E	0491	1	1830.25 V		Time:	Time:
Client:	S S S S S S S S S S S S S S S S S S S	email or Fax#: OA/OC Package:	Accreditation NELAP	Date	7413 1518		-	HEI	50		Date: 7.10-13	Date: 1/6//1