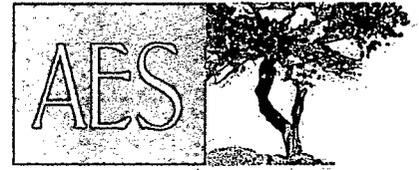


3R – 443

**SITE
INVESTIGATION
WORKPLAN**

**DATE:
06/22/2012**



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3274

June 22, 2012

Aaron Dailey
Enterprise Products Company
614 Reilly Avenue
Farmington, New Mexico 87401

**RE: Site Investigation Work Plan
Gallegos Well Tie Line #90898, Gallegos #2
San Juan County, New Mexico**

Dear Mr. Dailey:

Animas Environmental Services, LLC (AES) is pleased to submit this work plan to complete a site investigation associated with two releases of natural gas condensate, which occurred along the Enterprise Products Company (Enterprise) 4-inch diameter Gallegos Well Tie Line #90890, Gallegos #2 in May 2012. The release locations are in the Gallegos Wash and located approximately 17 miles south of Bloomfield, San Juan County, New Mexico. The release location is also within the boundaries of the Navajo Nation and under the jurisdiction of the Navajo Nation Environmental Protection Agency (NNEPA).

1.0 Release Information

1.1 Location

Location - SE¼ NE¼, Section 29, T26N, R11W, San Juan County, New Mexico

Release #1 Latitude/Longitude - N36.45979 and W108.02202, respectively

Release #2 Latitude/Longitude – N36.45988 and W108.02188, respectively

Surface Owner – Navajo Nation

Figure 1 - Topographic Site Location Map

Figure 2 - Aerial Site Map

1.2 Release Assessment and Mitigation

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, Enterprise contractor West States Energy Contractors (WSEC) 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. Approximately 120 cubic yards of hydrocarbon contaminated soil were transported off-site for disposal at the Envirotech Landfarm near Bloomfield, New Mexico. 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 (SC-1 through SC-10) for laboratory analysis. An additional sample (TH-1) 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. Concentrations of total petroleum hydrocarbons (TPH) were reported above the NNEPA action level of 100 mg/kg in SC-5 and SC-7. Note that NNEPA action levels are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993). Soil sample locations and results are summarized in Table 1 and Figure 3.

Groundwater was encountered within the excavation at approximately 2.5 feet bgs. On June 12, 2012, AES collected two confirmation groundwater samples (TH-1W and Main Excavation) in order to determine if groundwater had been impacted. Additionally, TH-2 and TH-3 were excavated to a depth of approximately 2 feet in depth in locations about 7 feet down gradient (northwest) of the excavation. The test holes were left open overnight to allow groundwater to infiltrate. AES returned to the location on June 13, 2012, to collect the groundwater samples from the two test holes. There was not sufficient water in TH-2 for sample collection, but a grab sample was collected from TH-3.

Laboratory analytical results reported concentrations of dissolved phase benzene, toluene, and total xylenes above the NNEPA action levels in TH-1W. Note that for oil and gas releases, NNEPA refers to New Mexico Water Quality Control Commission (WQCC) groundwater standards. Groundwater sample locations and results are summarized in Table 2 and Figure 4.

Table 1. Soil Field Screening and Laboratory Analytical Results
 Gallegos Well Tie Line # 90898, Gallegos #2 Pipeline Release, June 2012

Sample ID	Date	Depth (ft bgs)	VOCs			TPH-GRO	TPH-DRO
			OVM (ppm)	Benzene (mg/kg)	BTEX (mg/kg)	(mg/kg)	(mg/kg)
NNEPA Action Level*			100	10	50	100	
SC-1	6/12/12	1 to 2.5	2.1	<0.048	<0.240	<4.8	<10
SC-2	6/12/12	1 to 2.5	2.9	<0.048	<0.240	<4.8	<10
SC-3	6/12/12	1 to 2.5	0.7	<0.048	<0.240	<4.8	<10
SC-4	6/12/12	1 to 2.5	2.7	<0.048	<0.241	<4.8	<10
SC-5	6/12/12	1 to 2.5	1,465	0.087	28	250	41
SC-6	6/12/12	1 to 2.5	108	<0.047	<0.234	<4.7	<9.8
SC-7	6/12/12	1 to 2.5	3,032	<0.048	8.0	92	24
SC-8	6/12/12	1 to 2.5	140	<0.050	<0.249	<5.0	<9.9
SC-9	6/12/12	1 to 2.5	2.4	<0.048	<0.240	<4.8	<10
SC-10	6/12/12	1 to 2.5	7.9	<0.049	<0.246	<4.9	<10
TH-1	6/12/12	2	824	0.17	1.05	<4.8	<9.8

* NNEPA action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993)

Table 2. Groundwater Analytical Results
 Gallegos Well Tie Line # 90898, Gallegos #2 Pipeline Release, June 2012

Sample ID	Date Sampled	Depth (ft)	Benzene	Toluene	Ethyl-benzene	Total Xylenes
			(µg/L)	(µg/L)	(µg/L)	(µg/L)
NNEPA Standards*			10	750	750	620
TH-1W	6/12/12	3	2,100	8,400	390	9,900
Main Excavation	6/12/12	3	<1.0	4.6	1.4	39
TH-3W	6/13/12	3	<2.0	<2.0	2.0	4.7

* NNEPA incorporates New Mexico WQCC groundwater standards for oil and gas releases

Laboratory analytical reports are attached.

2.0 Proposed Site Investigation

In order to delineate the extent of petroleum hydrocarbon impact to soil and groundwater, AES proposes to install at least eight temporary groundwater monitor wells, which will be removed following sample collection. The proposed locations of the temporary wells, along with a construction schematic of a temporary well, are shown on Figure 5.

2.1 Notifications and Access Agreement

The NNEPA and the NMOCD require notification prior to implementing the site investigation. Approval from NNEPA will be required in the event that the investigation extends beyond the Enterprise pipeline right-of-way (ROW). The proposed investigation methods are non-invasive, no vehicles will enter Gallegos Wash, and no "filling" will occur as part of the investigation. Therefore, U.S. Army Corps of Engineers (USACE) consultation and/or permitting is not anticipated.

2.2 Utilities Notification

AES will utilize the New Mexico One-Call system to identify and mark all underground utilities at the site before initiating the investigation.

2.3 Health and Safety Plan

AES has a company health and safety plan in place, and each employee is required to complete a health and safety orientation prior to participating in field operations for the first time. All on-site personnel are 40-hour HazWoper trained in accordance with OSHA regulations outlined in 29 CFR 1910.120(e). Prior to the start of the investigation, AES will prepare and implemented a comprehensive site-specific Job Safety Analysis (JSA) addressing the investigation activities and associated soil and groundwater sampling. All employees and subcontractors will be required to read and sign the JSA to acknowledge their understanding of the information contained within the JSA. The JSA will be implemented and enforced on site by the assigned Site Safety and Health Officer.

2.4 Temporary Well Installation

In order to complete the site investigation in a non-invasive manner, all wells will be "temporary" and installed by hand. If the results of the investigation warrant the installation of permanent monitor wells, a separate work plan will be submitted at that time.

Each temporary well will be installed utilizing a hand-driven HydroPunch sampling tool, which allows for in-situ collection of groundwater samples (see Figure 5 for schematic). At least eight temporary wells will be installed within and surrounding the two release areas. During well installations, soil samples will be collected for field screening and laboratory analysis.

2.5 Soil Sample Collection

Soil samples will be collected during the installation of each temporary well. Soil samples will be field screened for VOC vapors using a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM will be first calibrated with 100 parts per million (ppm) isobutylene gas. Because groundwater is approximately 2.5 feet bgs, soil samples for laboratory analysis will be collected from the capillary fringe just above the water table.

2.6 Groundwater Sample Collection

Groundwater is expected to be encountered at 2.5 feet bgs. Following installation, each temporary well will be purged and then allowed to stabilize for a minimum of one hour prior to sample collection.

A peristaltic pump, with new tubing for each well, will be used to collect the groundwater samples. Prior to collection of each sample, depth to groundwater will be measured with a water level indicator. Additionally, water quality parameters (pH, temperature, electrical conductivity, dissolved oxygen and oxygen reduction potential) will be measured and recorded on sampling forms. Following sample collection, each well will be fully removed and the well void allowed to collapse.

2.7 Laboratory Analysis

Soil samples will be submitted for laboratory analysis of the following parameters:

- BTEX per USEPA Method 8021B;
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B.

Groundwater samples will be submitted for laboratory analysis of the following parameters:

- BTEX per USEPA Method 8021B;
- TPH for GRO and DRO per USEPA Method 8015B.

Once collected, all samples will be preserved in laboratory-supplied containers and stored in an insulated cooler containing ice. Samples will be shipped via bus to the laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico, in insulated coolers containing ice at less than 6°C.

2.8 Deliverables - Investigation Report

Once the soil and groundwater analytical results are received, a detailed report will be prepared. The investigation report will include:

- A summary of the field work performed;
- Tabulated soil and groundwater laboratory analytical results;
- Photographic documentation;
- Scaled site maps showing temporary well locations and contaminant concentration results and contours;
- Conclusions and recommendations.

2.9 Project Schedule

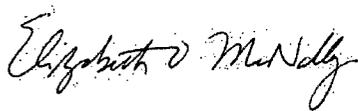
Upon work plan approval from NNEPA, AES will complete utility locates and project notifications prior to beginning field work. AES anticipates that field work will take about two days to complete.

If you have any questions regarding site conditions or this work plan, please do not hesitate to contact me at (505) 564-2281.

Sincerely,



Ross Kennemer
Senior Project Manager



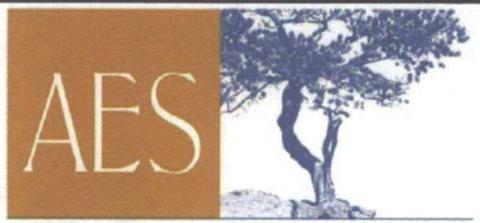
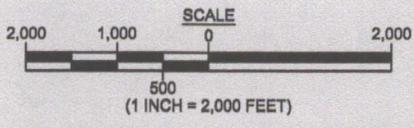
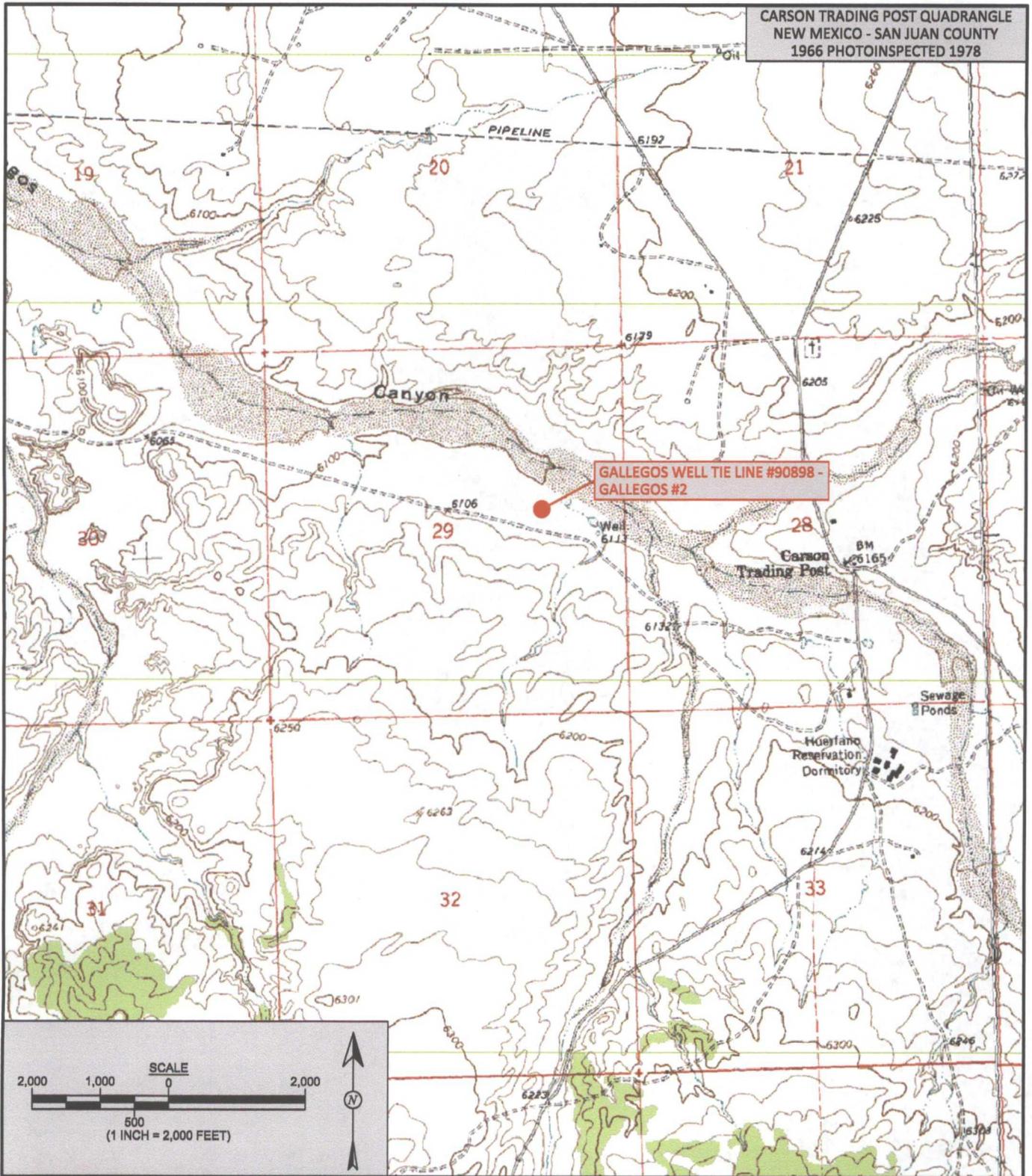
Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Figure 3. Excavation Location and Soil Sample Results, June 2012
- Figure 4. Groundwater Sample Locations and Analytical Results, June 2012
- Figure 5. Proposed Temporary Monitoring Well Locations
- Laboratory Analytical Reports (Hall No. 1206514, 1206516, and 1206680)

S:\Animas 2000\2012 Projects\Enterprise\Gallegos Well Tie Line 90898 - Gallegos #2\Work Plans\Gallegos Well Tie Line # 90998 Site Investigation Work Plan 062212.docx

CARSON TRADING POST QUADRANGLE
 NEW MEXICO - SAN JUAN COUNTY
 1966 PHOTOINSPECTED 1978



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: June 21, 2012
REVISIONS BY: C. Lameman	DATE REVISED: June 21, 2012
CHECKED BY: T. Long	DATE CHECKED: June 21, 2012
APPROVED BY: E. McNally	DATE APPROVED: June 21, 2012

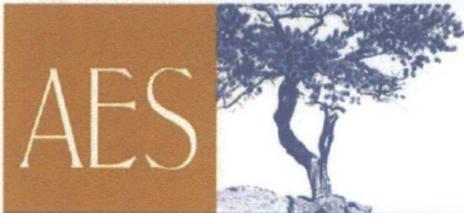
FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
 ENTERPRISE PRODUCTS COMPANY
 GALLEGOS WELL TIE LINE #90898, GALLEGOS #2
 SAN JUAN COUNTY, NEW MEXICO
 SE¼, NE¼, SECTION 29, T26N, R11W
 N36.45979, W108.02202

LEGEND	
— P —	BURIED PIPELINE



AERIAL SOURCE: (c) 2012 GOOGLE EARTH, AERIAL DATE: JUNE 10, 2011



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: June 21, 2012
REVISIONS BY: C. Lameman	DATE REVISED: June 21, 2012
CHECKED BY: T. Long	DATE CHECKED: June 21, 2012
APPROVED BY: E. McNally	DATE APPROVED: June 21, 2012

FIGURE 2

AERIAL SITE MAP
 ENTERPRISE PRODUCTS COMPANY
 GALLEGOS WELL TIE LINE #90898, GALLEGOS #2
 SAN JUAN COUNTY, NEW MEXICO
 SE¼, NE¼, SECTION 29, T26N, R11W
 N36.45979, W108.02202

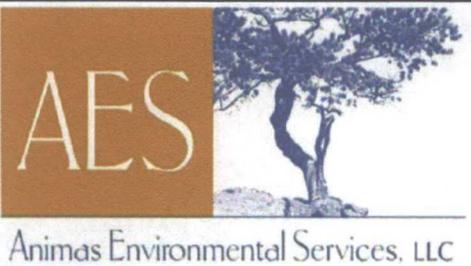
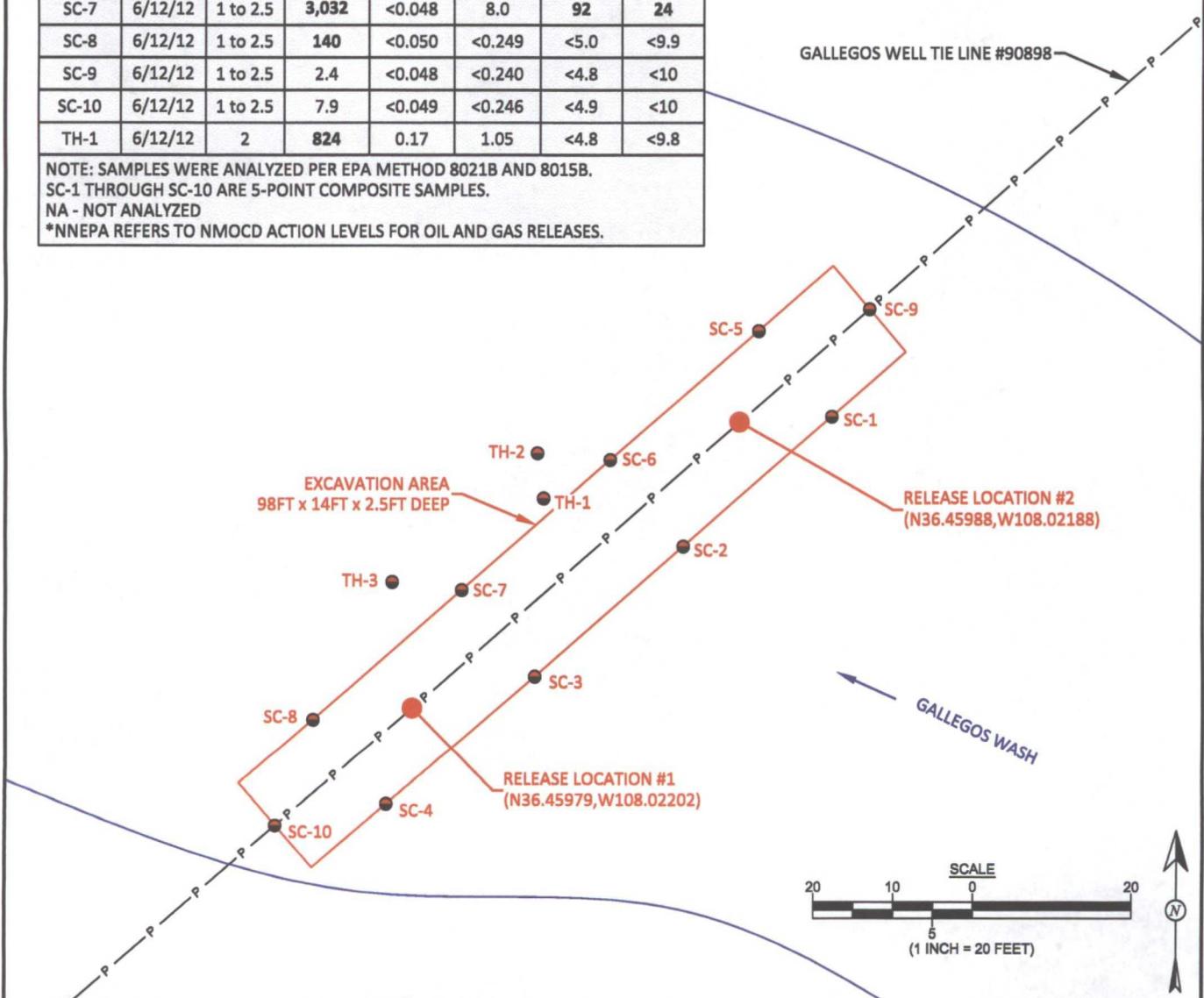
SOIL LABORATORY ANALYTICAL RESULTS

Sample ID	Date	Depth (ft)	OVM-PID (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
NNEPA ACTION LEVEL*			100	10	50	100	
SC-1	6/12/12	1 to 2.5	2.1	<0.048	<0.240	<4.8	<10
SC-2	6/12/12	1 to 2.5	2.9	<0.048	<0.240	<4.8	<10
SC-3	6/12/12	1 to 2.5	0.7	<0.048	<0.240	<4.8	<10
SC-4	6/12/12	1 to 2.5	2.7	<0.048	<0.241	<4.8	<10
SC-5	6/12/12	1 to 2.5	1,465	0.087	28	250	41
SC-6	6/12/12	1 to 2.5	108	<0.047	<0.234	<4.7	<9.8
SC-7	6/12/12	1 to 2.5	3,032	<0.048	8.0	92	24
SC-8	6/12/12	1 to 2.5	140	<0.050	<0.249	<5.0	<9.9
SC-9	6/12/12	1 to 2.5	2.4	<0.048	<0.240	<4.8	<10
SC-10	6/12/12	1 to 2.5	7.9	<0.049	<0.246	<4.9	<10
TH-1	6/12/12	2	824	0.17	1.05	<4.8	<9.8

NOTE: SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015B.
 SC-1 THROUGH SC-10 ARE 5-POINT COMPOSITE SAMPLES.
 NA - NOT ANALYZED
 *NNEPA REFERS TO NMOCD ACTION LEVELS FOR OIL AND GAS RELEASES.

LEGEND

- SAMPLE LOCATIONS
- P — BURIED PIPELINE



DRAWN BY: C. Lameman	DATE DRAWN: June 21, 2012
REVISIONS BY: C. Lameman	DATE REVISED: June 21, 2012
CHECKED BY: T. Long	DATE CHECKED: June 21, 2012
APPROVED BY: E. McNally	DATE APPROVED: June 21, 2012

FIGURE 3

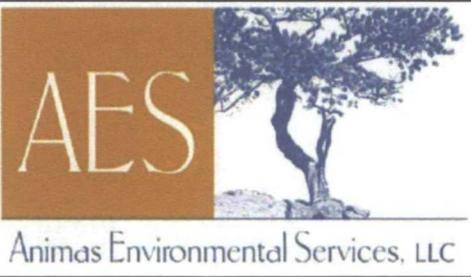
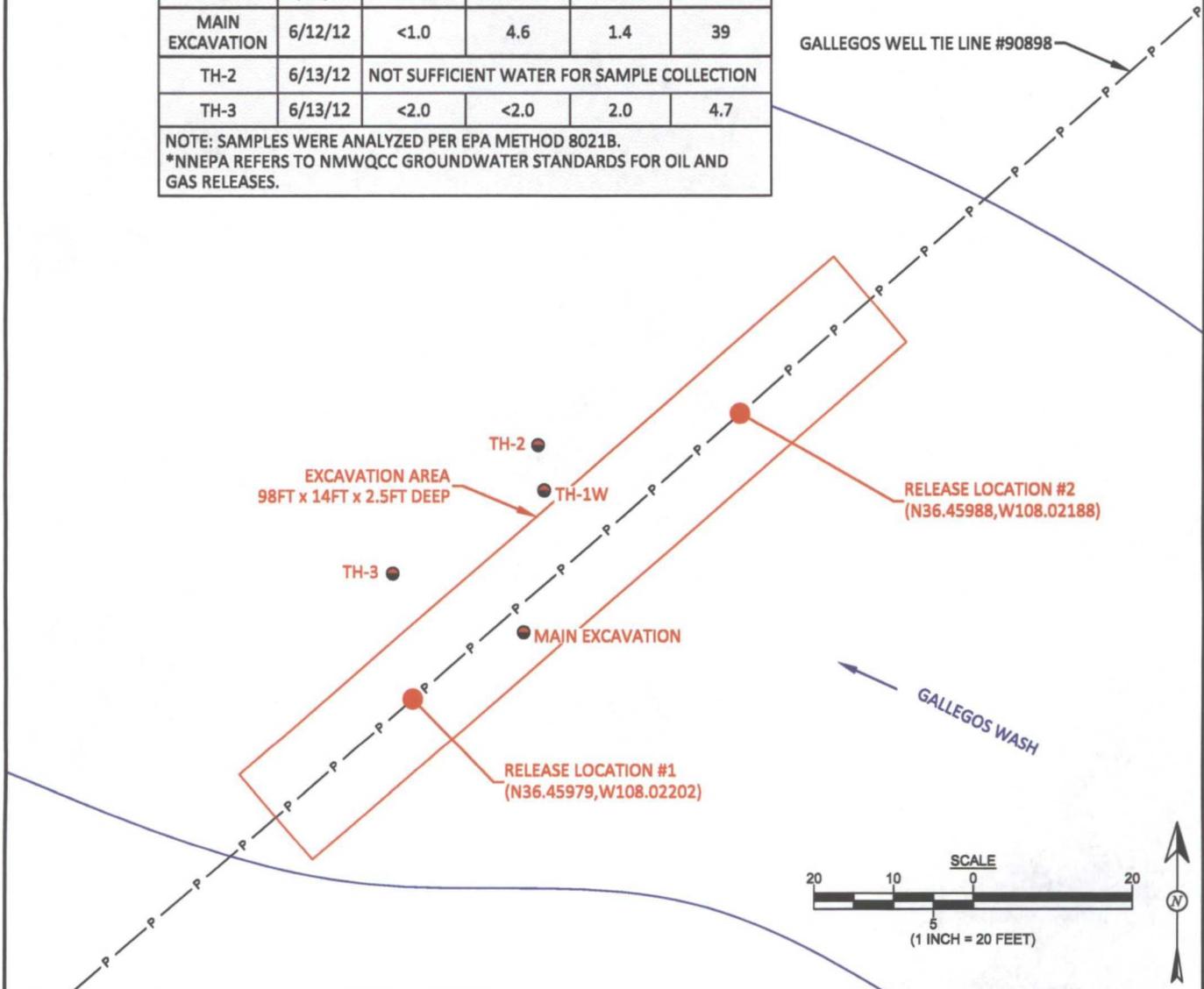
EXCAVATION LOCATION, SOIL SAMPLE LOCATIONS AND RESULTS, JUNE 2012
 ENTERPRISE PRODUCTS COMPANY
 GALLEGOS WELL TIE LINE #90898, GALLEGOS #2
 SAN JUAN COUNTY, NEW MEXICO
 SE¼, NE¼, SECTION 29, T26N, R11W
 N36.45979, W108.02202

LEGEND

- TEST HOLE LOCATIONS
- P — BURIED PIPELINE

GROUNDWATER LABORATORY ANALYTICAL RESULTS					
Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)
NNEPA STANDARDS*		10	750	750	620
TH-1W	6/12/12	2,100	8,400	390	9,900
MAIN EXCAVATION	6/12/12	<1.0	4.6	1.4	39
TH-2	6/13/12	NOT SUFFICIENT WATER FOR SAMPLE COLLECTION			
TH-3	6/13/12	<2.0	<2.0	2.0	4.7

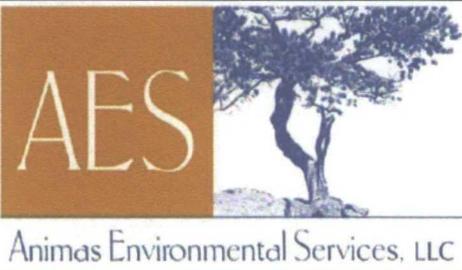
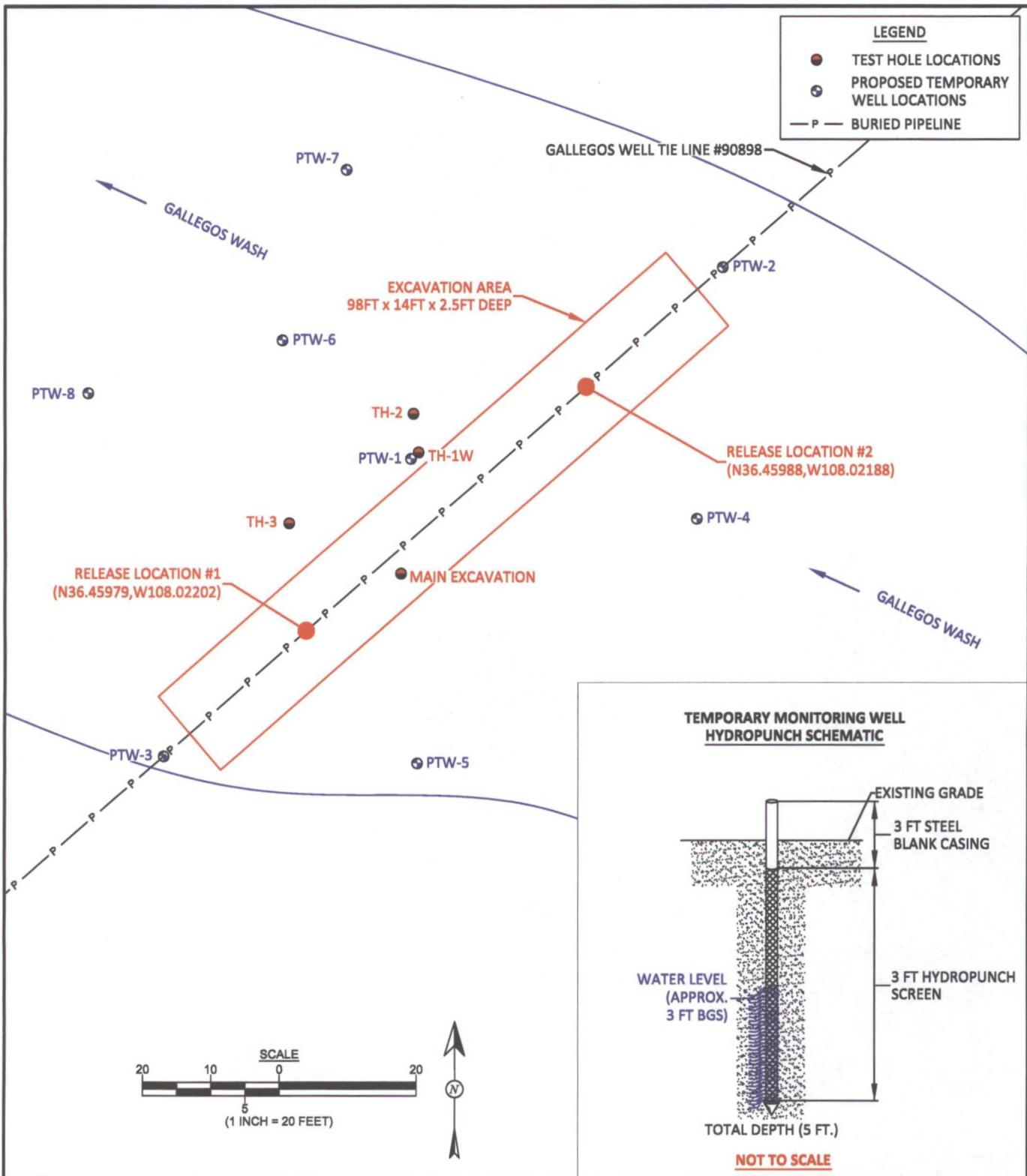
NOTE: SAMPLES WERE ANALYZED PER EPA METHOD 8021B.
 *NNEPA REFERS TO NMWQCC GROUNDWATER STANDARDS FOR OIL AND GAS RELEASES.



DRAWN BY: C. Lameman	DATE DRAWN: June 21, 2012
REVISIONS BY: C. Lameman	DATE REVISED: June 21, 2012
CHECKED BY: T. Long	DATE CHECKED: June 21, 2012
APPROVED BY: E. McNally	DATE APPROVED: June 21, 2012

FIGURE 4

GROUNDWATER SAMPLE LOCATIONS AND RESULTS, JUNE 2012
 ENTERPRISE PRODUCTS COMPANY
 GALLEGOS WELL TIE LINE #90898, GALLEGOS #2
 SAN JUAN COUNTY, NEW MEXICO
 SE¼, NE¼, SECTION 29, T26N, R11W
 N36.45979, W108.02202



DRAWN BY: C. Lameman	DATE DRAWN: June 21, 2012
REVISIONS BY: C. Lameman	DATE REVISED: June 21, 2012
CHECKED BY: T. Long	DATE CHECKED: June 21, 2012
APPROVED BY: E. McNally	DATE APPROVED: June 21, 2012

FIGURE 5

PROPOSED TEMPORARY MONITOR WELL LOCATIONS
ENTERPRISE PRODUCTS COMPANY
GALLEGOS WELL TIE LINE #90898, GALLEGOS #2
SAN JUAN COUNTY, NEW MEXICO
SE¼, NE¼, SECTION 29, T26N, R11W
N36.45979, W108.02202



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

June 19, 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 #2

OrderNo.: 1206514

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/13/2012 for the analyses presented in the following report.

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID:** TH-1w
Project: Enterprise Gallegos Well Tie #90898 #2 **Collection Date:** 6/12/2012 1:10:00 PM
Lab ID: 1206514-001 **Matrix:** AQUEOUS **Received Date:** 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	2100	50		µg/L	50	6/13/2012 7:44:32 PM
Toluene	8400	200		µg/L	200	6/14/2012 10:18:56 AM
Ethylbenzene	390	50		µg/L	50	6/13/2012 7:44:32 PM
Xylenes, Total	9900	100		µg/L	50	6/13/2012 7:44:32 PM
Surr: 4-Bromofluorobenzene	94.7	55-140		%REC	50	6/13/2012 7:44:32 PM

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

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** Main Excavation**Project:** Enterprise Gallegos Well Tie #90898 #2**Collection Date:** 6/12/2012 1:15:00 PM**Lab ID:** 1206514-002**Matrix:** AQUEOUS**Received Date:** 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/13/2012 10:48:07 PM
Toluene	4.6	1.0		µg/L	1	6/13/2012 10:48:07 PM
Ethylbenzene	1.4	1.0		µg/L	1	6/13/2012 10:48:07 PM
Xylenes, Total	39	2.0		µg/L	1	6/13/2012 10:48:07 PM
Surr: 4-Bromofluorobenzene	112	55-140		%REC	1	6/13/2012 10:48:07 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1206514

19-Jun-12

Client: Animas Environmental Services
Project: Enterprise Gallegos Well Tie #90898 #2

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID:	R3414	RunNo:	3414					
Prep Date:		Analysis Date:	6/13/2012	SeqNo:	95406	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	20		20.00		102	55	140			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSW	Batch ID:	R3414	RunNo:	3414					
Prep Date:		Analysis Date:	6/13/2012	SeqNo:	95407	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	80	120			
Toluene	20	1.0	20.00	0	101	80	120			
Ethylbenzene	20	1.0	20.00	0	98.3	80	120			
Xylenes, Total	59	2.0	60.00	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	55	140			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSW	Batch ID:	R3447	RunNo:	3447					
Prep Date:		Analysis Date:	6/14/2012	SeqNo:	96713	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	21	1.0	20.00	0	104	80	120			
Surr: 4-Bromofluorobenzene	19		20.00		92.7	55	140			

Sample ID	b 1	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID:	R3447	RunNo:	3447					
Prep Date:		Analysis Date:	6/14/2012	SeqNo:	96749	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Surr: 4-Bromofluorobenzene	17		20.00		84.0	55	140			

Qualifiers:

- *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
- RL 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

Client Name: **Animas Environmental** Work Order Number: **1206514**

Received by/date: *[Signature]* **06/13/12**
 Logged By: **Lindsay Mangin** **6/13/2012 10:00:00 AM** *[Signature]*
 Completed By: **Lindsay Mangin** **6/13/2012 10:52:11 AM** *[Signature]*
 Reviewed By: *[Signature]* **06/13/12**

Chain of Custody

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

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No # of preserved bottles checked for pH:
- 14. Are matrices correctly identified on Chain of Custody? Yes No (<2 or >12 unless noted)
- 15. Is it clear what analyses were requested? Yes No Adjusted?
- 16. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No Checked by:

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			



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

June 21, 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 Line 90898 #2

OrderNo.: 1206516

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 11 sample(s) on 6/13/2012 for the analyses presented in the following report.

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 11:57:00 AM

Lab ID: 1206516-001

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/15/2012 11:41:19 AM
Surr: DNOP	119	77.6-140		%REC	1	6/15/2012 11:41:19 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/15/2012 8:18:45 PM
Surr: BFB	101	69.7-121		%REC	1	6/15/2012 8:18:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	6/15/2012 8:18:45 PM
Toluene	ND	0.048		mg/Kg	1	6/15/2012 8:18:45 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/15/2012 8:18:45 PM
Xylenes, Total	ND	0.096		mg/Kg	1	6/15/2012 8:18:45 PM
Surr: 4-Bromofluorobenzene	97.2	80-120		%REC	1	6/15/2012 8:18:45 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

Analytical Report

Lab Order 1206516

Date Reported: 6/21/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 11:59:00 AM

Lab ID: 1206516-002

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/15/2012 12:06:39 PM
Surr: DNOP	117	77.6-140		%REC	1	6/15/2012 12:06:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2012 2:17:59 PM
Surr: BFB	93.8	69.7-121		%REC	1	6/18/2012 2:17:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	6/16/2012 2:32:25 AM
Toluene	ND	0.048		mg/Kg	1	6/16/2012 2:32:25 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/16/2012 2:32:25 AM
Xylenes, Total	ND	0.096		mg/Kg	1	6/16/2012 2:32:25 AM
Surr: 4-Bromofluorobenzene	96.5	80-120		%REC	1	6/16/2012 2:32:25 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1206516

Date Reported: 6/21/2012

CLIENT: Animas Environmental Services

Client Sample ID: SC-3

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 12:01:00 PM

Lab ID: 1206516-003

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/15/2012 12:32:05 PM
Surr: DNOP	118	77.6-140		%REC	1	6/15/2012 12:32:05 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/16/2012 3:01:09 AM
Surr: BFB	97.1	69.7-121		%REC	1	6/16/2012 3:01:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	6/16/2012 3:01:09 AM
Toluene	ND	0.048		mg/Kg	1	6/16/2012 3:01:09 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/16/2012 3:01:09 AM
Xylenes, Total	ND	0.096		mg/Kg	1	6/16/2012 3:01:09 AM
Surr: 4-Bromofluorobenzene	98.3	80-120		%REC	1	6/16/2012 3:01:09 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-4

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 12:03:00 PM

Lab ID: 1206516-004

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/15/2012 1:22:32 PM
Surr: DNOP	110	77.6-140		%REC	1	6/15/2012 1:22:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/16/2012 3:29:53 AM
Surr: BFB	96.6	69.7-121		%REC	1	6/16/2012 3:29:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	6/16/2012 3:29:53 AM
Toluene	ND	0.048		mg/Kg	1	6/16/2012 3:29:53 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/16/2012 3:29:53 AM
Xylenes, Total	ND	0.097		mg/Kg	1	6/16/2012 3:29:53 AM
Surr: 4-Bromofluorobenzene	97.7	80-120		%REC	1	6/16/2012 3:29:53 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-5

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 1:00:00 PM

Lab ID: 1206516-005

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	41	10		mg/Kg	1	6/15/2012 1:47:54 PM
Surr: DNOP	120	77.6-140		%REC	1	6/15/2012 1:47:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	250	47		mg/Kg	10	6/18/2012 3:33:38 AM
Surr: BFB	148	69.7-121	S	%REC	10	6/18/2012 3:33:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	0.087	0.047		mg/Kg	1	6/16/2012 3:58:37 AM
Toluene	3.6	0.047		mg/Kg	1	6/16/2012 3:58:37 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/16/2012 3:58:37 AM
Xylenes, Total	24	0.93		mg/Kg	10	6/18/2012 3:33:38 AM
Surr: 4-Bromofluorobenzene	164	80-120	S	%REC	1	6/16/2012 3:58:37 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

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** SC-6**Project:** Enterprise Gallegos Well Tie Line 90898**Collection Date:** 6/12/2012 1:03:00 PM**Lab ID:** 1206516-006**Matrix:** SOIL**Received Date:** 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/15/2012 2:13:14 PM
Surr: DNOP	114	77.6-140		%REC	1	6/15/2012 2:13:14 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/18/2012 4:31:04 AM
Surr: BFB	96.6	69.7-121		%REC	1	6/18/2012 4:31:04 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.047		mg/Kg	1	6/18/2012 4:31:04 AM
Toluene	ND	0.047		mg/Kg	1	6/18/2012 4:31:04 AM
Ethylbenzene	ND	0.047		mg/Kg	1	6/18/2012 4:31:04 AM
Xylenes, Total	ND	0.093		mg/Kg	1	6/18/2012 4:31:04 AM
Surr: 4-Bromofluorobenzene	94.0	80-120		%REC	1	6/18/2012 4:31:04 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID:** SC-7
Project: Enterprise Gallegos Well Tie Line 90898 **Collection Date:** 6/12/2012 1:05:00 PM
Lab ID: 1206516-007 **Matrix:** SOIL **Received Date:** 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	24	10		mg/Kg	1	6/15/2012 2:38:51 PM
Surr: DNOP	120	77.6-140		%REC	1	6/15/2012 2:38:51 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	92	4.8		mg/Kg	1	6/16/2012 4:55:58 AM
Surr: BFB	536	69.7-121	S	%REC	1	6/16/2012 4:55:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	6/16/2012 4:55:58 AM
Toluene	ND	0.048		mg/Kg	1	6/16/2012 4:55:58 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/16/2012 4:55:58 AM
Xylenes, Total	8.0	0.096		mg/Kg	1	6/16/2012 4:55:58 AM
Surr: 4-Bromofluorobenzene	129	80-120	S	%REC	1	6/16/2012 4:55:58 AM

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-8

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 1:07:00 PM

Lab ID: 1206516-008

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/15/2012 3:04:29 PM
Surr: DNOP	116	77.6-140		%REC	1	6/15/2012 3:04:29 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/18/2012 4:59:43 AM
Surr: BFB	100	69.7-121		%REC	1	6/18/2012 4:59:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	6/16/2012 5:24:36 AM
Toluene	ND	0.050		mg/Kg	1	6/16/2012 5:24:36 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/16/2012 5:24:36 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/16/2012 5:24:36 AM
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	1	6/16/2012 5:24:36 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-9

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 1:38:00 PM

Lab ID: 1206516-009

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/15/2012 3:30:07 PM
Surr: DNOP	120	77.6-140		%REC	1	6/15/2012 3:30:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/16/2012 5:53:20 AM
Surr: BFB	114	69.7-121		%REC	1	6/16/2012 5:53:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	6/16/2012 5:53:20 AM
Toluene	ND	0.048		mg/Kg	1	6/16/2012 5:53:20 AM
Ethylbenzene	ND	0.048		mg/Kg	1	6/16/2012 5:53:20 AM
Xylenes, Total	ND	0.096		mg/Kg	1	6/16/2012 5:53:20 AM
Surr: 4-Bromofluorobenzene	97.8	80-120		%REC	1	6/16/2012 5:53:20 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-10

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 1:42:00 PM

Lab ID: 1206516-010

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/15/2012 3:56:03 PM
Surr: DNOP	118	77.6-140		%REC	1	6/15/2012 3:56:03 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/16/2012 6:22:07 AM
Surr: BFB	104	69.7-121		%REC	1	6/16/2012 6:22:07 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.049		mg/Kg	1	6/16/2012 6:22:07 AM
Toluene	ND	0.049		mg/Kg	1	6/16/2012 6:22:07 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/16/2012 6:22:07 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/16/2012 6:22:07 AM
Surr: 4-Bromofluorobenzene	97.6	80-120		%REC	1	6/16/2012 6:22:07 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-1@2'

Project: Enterprise Gallegos Well Tie Line 90898

Collection Date: 6/12/2012 12:40:00 PM

Lab ID: 1206516-011

Matrix: SOIL

Received Date: 6/13/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/15/2012 6:29:54 PM
Surr: DNOP	117	77.6-140		%REC	1	6/15/2012 6:29:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/15/2012 4:59:04 PM
Surr: BFB	95.4	69.7-121		%REC	1	6/15/2012 4:59:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	0.17	0.048		mg/Kg	1	6/15/2012 4:59:04 PM
Toluene	0.47	0.048		mg/Kg	1	6/15/2012 4:59:04 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/15/2012 4:59:04 PM
Xylenes, Total	0.41	0.097		mg/Kg	1	6/15/2012 4:59:04 PM
Surr: 4-Bromofluorobenzene	92.7	80-120		%REC	1	6/15/2012 4:59:04 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1206516

21-Jun-12

Client: Animas Environmental Services
Project: Enterprise Gallegos Well Tie Line 90898 #2

Sample ID	MB-2387	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	2387	RunNo:	3454					
Prep Date:	6/14/2012	Analysis Date:	6/15/2012	SeqNo:	96646	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	12		10.00		115	77.6	140			

Sample ID	LCS-2387	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	2387	RunNo:	3454					
Prep Date:	6/14/2012	Analysis Date:	6/15/2012	SeqNo:	97001	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.3	52.6	130			
Surr: DNOP	4.8		5.000		96.1	77.6	140			

Sample ID	MB-2394	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	2394	RunNo:	3468					
Prep Date:	6/14/2012	Analysis Date:	6/15/2012	SeqNo:	97174	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	12		10.00		123	77.6	140			

Sample ID	LCS-2394	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	2394	RunNo:	3468					
Prep Date:	6/14/2012	Analysis Date:	6/15/2012	SeqNo:	97175	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.5	52.6	130			
Surr: DNOP	4.9		5.000		98.2	77.6	140			

Qualifiers:

- */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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1206516

21-Jun-12

Client: Animas Environmental Services
Project: Enterprise Gallegos Well Tie Line 90898 #2

Sample ID MB-2369	SampType: MBLK		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: PBS	Batch ID: 2369		RunNo: 3471							
Prep Date: 6/13/2012	Analysis Date: 6/15/2012		SeqNo: 97259		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.8	69.7	121			

Sample ID LCS-2369	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSS	Batch ID: 2369		RunNo: 3471							
Prep Date: 6/13/2012	Analysis Date: 6/15/2012		SeqNo: 97263		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	98.5	133			
Surr: BFB	1000		1000		101	69.7	121			

Sample ID MB-2392	SampType: MBLK		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: PBS	Batch ID: 2392		RunNo: 3464							
Prep Date: 6/14/2012	Analysis Date: 6/15/2012		SeqNo: 97874		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		94.8	69.7	121			

Sample ID LCS-2392	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSS	Batch ID: 2392		RunNo: 3464							
Prep Date: 6/14/2012	Analysis Date: 6/15/2012		SeqNo: 97903		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	123	98.5	133			
Surr: BFB	960		1000		96.3	69.7	121			

Qualifiers:

- *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
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1206516

21-Jun-12

Client: Animas Environmental Services
Project: Enterprise Gallegos Well Tie Line 90898 #2

Sample ID	MB-2392	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	2392	RunNo:	3464					
Prep Date:	6/14/2012	Analysis Date:	6/15/2012	SeqNo:	97991	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		90.7	80	120			

Sample ID	LCS-2392	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	2392	RunNo:	3464					
Prep Date:	6/14/2012	Analysis Date:	6/15/2012	SeqNo:	97995	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.050	1.000	0	99.3	83.3	107			
Toluene	0.95	0.050	1.000	0	95.2	74.3	115			
Ethylbenzene	1.0	0.050	1.000	0	104	80.9	122			
Xylenes, Total	3.2	0.10	3.000	0	106	85.2	123			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID	MB-2369	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	2369	RunNo:	3471					
Prep Date:	6/13/2012	Analysis Date:	6/15/2012	SeqNo:	98203	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	80	120			

Sample ID	LCS-2369	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	2369	RunNo:	3471					
Prep Date:	6/13/2012	Analysis Date:	6/15/2012	SeqNo:	98204	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	83.3	107			
Toluene	0.99	0.050	1.000	0	99.3	74.3	115			
Ethylbenzene	0.96	0.050	1.000	0	95.8	80.9	122			
Xylenes, Total	2.9	0.10	3.000	0	96.1	85.2	123			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

- */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
- RL 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

Client Name: **Animas Environmental** Work Order Number: **1206516**

Received by/date: *[Signature]* **06/13/12**
 Logged By: **Lindsay Mangin** **6/13/2012 10:00:00 AM** *[Signature]*
 Completed By: **Lindsay Mangin** **6/13/2012 10:57:04 AM** *[Signature]*
 Reviewed By: *[Signature]* **06/13/12**

Chain of Custody

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

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No # of preserved bottles checked for pH:
- 14. Are matrices correctly identified on Chain of Custody? Yes No (<2 or >12 unless noted)
- 15. Is it clear what analyses were requested? Yes No Adjusted?
- 16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No Checked by:

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			

Chain-of-Custody Record

Client: Animes Environmental Services

Mailing Address: 624 E Comanche Farmington NM 87401

Phone #: 564-2281

email or Fax#: 324-2022

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

Accreditation
 NELAP Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush _____

Project Name:
Enterprise Callegos Well Tie Line 90898#2

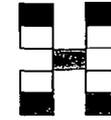
Project #:

Project Manager:
Ross Kenner

Sampler: Tom Long

Onsite: Yes No

Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)	
6/12/12	1157	Soil	SC-1	(1) 4oz jar	Cool	-001	X	X											
6/12/12	1159	Soil	SC-2	(1) 4oz jar	Cool	-002	X	X											
6/12/12	1201	Soil	SC-3	(1) 4oz jar	Cool	-003	X	X											
6/12/12	1203	Soil	SC-4	(1) 4oz jar	Cool	-004	X	X											
6/12/12	1300	Soil	SC-5	(1) 4oz jar	Cool	-005	X	X											
6/12/12	1303	Soil	SC-6	(1) 4oz jar	Cool	-006	X	X											
6/12/12	1305	Soil	SC-7	(1) 4oz jar	Cool	-007	X	X											
6/12/12	1307	Soil	SC-8	(1) 4oz jar	Cool	-008	X	X											
6/12/12	1338	Soil	SC-9	(1) 4oz jar	Cool	-009	X	X											
6/12/12	1342	Soil	SC-10	(1) 4oz jar	Cool	-010	X	X											
6/12/12	1240	Soil	TH-1 e 2'	(1) 4oz jar	Cool	-011	X	X											

Date: 6/12/12 Time: 1600 Relinquished by: Thomas Long

Date: 6/12/12 Time: 1615 Relinquished by: Christy Weller

Received by: Christy Weller Date: 6/12/12 Time: 1600

Received by: [Signature] Date: 6/13/12 Time: 1000

Remarks: Bill to Enterprise

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



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

June 22, 2012

Thomas Long
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4076
FAX (505) 324-2022

RE: Gallegos-Gallegos #2 Release Well Tie 90898

OrderNo.: 1206680

Dear Thomas Long:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/15/2012 for the analyses presented in the following report.

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Trip Blank

Project: Gallegos-Gallegos #2 Release Well Tie 9

Collection Date:

Lab ID: 1206680-001

Matrix: TRIP BLANK

Received Date: 6/15/2012 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	6/20/2012 3:56:47 AM
Toluene	ND	1.0		µg/L	1	6/20/2012 3:56:47 AM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2012 3:56:47 AM
Xylenes, Total	ND	2.0		µg/L	1	6/20/2012 3:56:47 AM
Surr: 4-Bromofluorobenzene	81.0	55-140		%REC	1	6/20/2012 3:56:47 AM

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1206680

22-Jun-12

Client: Animas Environmental Services
Project: Gallegos-Gallegos #2 Release Well Tie 90898

Sample ID: 100NG BTEX LCS	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSW	Batch ID: R3557	RunNo: 3557								
Prep Date:	Analysis Date: 6/19/2012	SeqNo: 100411 Units: µg/L								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	80	120			
Toluene	21	1.0	20.00	0	103	80	120			
Ethylbenzene	20	1.0	20.00	0	101	80	120			
Xylenes, Total	61	2.0	60.00	0	102	80	120			
1,2,4-Trimethylbenzene	20	1.0	20.00	0	98.5	80	120			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	19		20.00		94.6	55	140			

Qualifiers:

*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
RL Reporting Detection Limit



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 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: 1206680
 Received by/date: mg 06/15/12
 Logged By: **Michelle Garcia** 6/15/2012 9:45:00 AM *-Michelle Garcia*
 Completed By: **Michelle Garcia** 6/15/2012 2:03:46 PM *-Michelle Garcia*
 Reviewed By: JB 6/15/12

Chain of Custody

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

Log In

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

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

Special Handling (if applicable)

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

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

