

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

Revised

OPERATOR

Initial Report Final Report

Name of Company ConocoPhillips Company	Contact Ashley Maxwell
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 324-5169
Facility Name: San Juan 28-7 Unit 55	Facility Type: Gas Well SF-079289
Surface Owner Federal	Mineral Owner Federal
API No. 3003907444	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	12	28N	7W	800'	South	891'	West	Rio Arriba

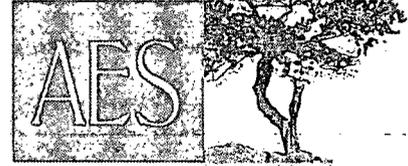
Latitude 36.67062 Longitude -107.53024

NATURE OF RELEASE

Type of Release Produced Fluids	Volume of Release 1746 yds³	Volume Recovered 1746 yds³
Source of Release Unknown Production Equipment	Date and Hour of Occurrence 03/26/2012	Date and Hour of Discovery 03/26/2012
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. RCVD JAN 14 '14	
If a Watercourse was Impacted, Describe Fully.* N/A	OIL CONS. DIV. DIST. 3	
Describe Cause of Problem and Remedial Action Taken.* Discovery of historical hydrocarbon impacted soil.		
Describe Area Affected and Cleanup Action Taken.* Excavation was required based on NMOCD Guidelines for Remediation of Leaks, Spills and Releases. The excavation was 60'X100'X5' and 1746 yds³ of soil was transported to a third party land farm. Excavation and confirmation sampling occurred. Analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is needed.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Ashley Maxwell	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 1/4/2014	Expiration Date:
E-mail Address: ashley.p.wethington@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 19, 2012 Phone: 505-324-5169		

* Attach Additional Sheets If Necessary

WJK1401431792



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3274

September 12, 2012

Ashley Maxwell
ConocoPhillips
San Juan Business Unit
Office 216-2
5525 Hwy 64
Farmington, New Mexico 87401

**RE: Initial Release Assessment and Final Excavation Report
San Juan 28-7 #55
Rio Arriba County, New Mexico**

OIL CONS. DIV DIST. 3

NOV 21 2012

Dear Ms. Maxwell:

On March 26 and April 23, 27, and 30, 2012, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 28-7 #55, located in Rio Arriba County, New Mexico. The initial release assessment was completed by AES on March 26, 2012. The final excavation was completed by CoP contractors while AES was on location on April 30, 2012. The historical release was discovered during a facility reset.

1.0 Site Information

1.1 Location

Location - SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 12, T28N, R7W, Rio Arriba County, New Mexico

Well Head Latitude/Longitude - N36.67065 and W107.53081, respectively

Release Latitude/Longitude - N36.67066 and W107.53067, respectively

Land Jurisdiction - Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, March 2012

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and no prior ranking information was located. Additionally, the New Mexico Office of the State Engineer (NMOSE) database was reviewed, and no registered water wells are located within 1,000 feet of the location. Once on site, AES personnel assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet below ground surface (bgs),

and the location is not within a well-head protection area. Distance to the nearest surface water, a tributary to the wash in Delgadita Canyon, was located approximately 700 feet to the southwest. The site location has been assigned a ranking score of 10 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Release Assessments

AES was initially contacted by Danny Rudder of CoP on March 26, 2012, and the same day, Tom Long and Corwin Lameman of AES completed the release assessment field work. The assessment included collection and field screening of 26 soil samples from 21 test holes (TH-1 through TH-21) collected near the separator where the contaminated soils were discovered. Based on the field screening and laboratory analytical results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On April 23, 2012, AES returned to the location to collect confirmation soil samples of the excavation. The field screening activities included collection of five confirmation soil samples (SC-1 through SC-5) of the walls and base of the excavation. Based on the field screening and laboratory analytical results, AES recommended further excavation of the release area. On April 27, 2012, AES returned to the location to collect additional confirmation soil samples (SC-6 through SC-8) of the expanded excavation. Based on laboratory results, AES recommended additional excavation of the northern portion of the excavation. AES returned to the site on April 30, 2012, and collected a final confirmation soil sample (SC-9) of the excavation. The area of the final excavation was approximately 6,400 square-feet and about 7 feet in depth. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 26 soil samples and 9 composite soil samples were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Eight of the soil samples collected during the initial assessment (TH-3, TH-5, TH-6, TH-8, TH-9, TH-11, TH-16, and TH-20) and eight composite soil samples (SC-1 through SC-8) collected during the excavation were submitted for laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors 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.

2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

2.2 Laboratory Analyses

The 16 soil samples (TH-3, TH-5, TH-6, TH-8, TH-9, TH-11, TH-16, TH-20, and SC-1 through SC-8) collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B or 8260B;
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B.

Note that SC-6 was analyzed for BTEX only per USEPA 8021B.

2.3 Field Screening and Laboratory Analytical Results

On March 26, 2012, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm up to 4,975 ppm. Field TPH concentrations ranged from below detection limits of 20.0 mg/kg (TH-11, TH-12, and TH-13) up to 2,420 mg/kg (TH-20).

On April 23, 27, and 30, 2012, final excavation field screening results for VOCs via OVM showed concentrations ranging from 13.9 ppm in SC-9 to 4,169 ppm in SC-3. The field TPH reported in SC-9 on April 30, 2012, was 66.6 mg/kg. Results are included below in Table 1 and on Figure 4. The AES Field Screening Reports are attached.

Table 1. Soil Field Screening VOCs and TPH Results
 San Juan 28-7 #55 Release Assessment and Final Excavation
 March and April 2012

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>	<i>Field TPH (mg/kg)</i>
		<i>NMOCOD Action Level*</i>	100	1,000
TH-1 (S-1)	3/26/12	3	3,669	436
TH-1 (S-2)	3/26/12	3	3,271	595
		3	3,568	1,830
TH-2	3/26/12	8.5	3,433	NA
		10	4,975	156
TH-3	3/26/12	3.5	4,838	247
TH-4	3/26/12	3	3,823	1,030
TH-5	3/26/12	3	3,669	361
TH-6	3/26/12	1.5	303	NA
TH-7	3/26/12	1.5	10.1	24.3
TH-8	3/26/12	2.5	3,558	413
TH-9	3/26/12	1	4,103	264
TH-10	3/26/12	1	6.0	93.8
		4	1,111	55.5
TH-11	3/26/12	8	54.9	<20.0
TH-12	3/26/12	4	0.0	<20.0
TH-13	3/26/12	4	14.4	<20.0
TH-14	3/26/12	5	3.6	92.4
TH-15	3/26/12	6	4.3	32.8
TH-16	3/26/12	5	525	83.9
		4	0.0	34.2
TH-17	3/26/12	6	0.0	34.2
TH-18	3/26/12	3.5	0.0	37.1
TH-19	3/26/12	2.5	0.0	45.6
TH-20	3/26/12	4	4,094	2,420
TH-21	3/26/12	4	0.0	54.1
SC-1	4/23/12	1 to 7	4,121	NA

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
<i>NMOCD Action Level*</i>			100	1,000
SC-2	4/23/12	7	2,658	NA
SC-3	4/23/12	1 to 7	4,169	NA
SC-4	4/23/12	1 to 7	1,326	NA
SC-5	4/23/12	1 to 7	3,903	NA
SC-6	4/27/12	1 to 7	3,457	NA
SC-7	4/27/12	1 to 7	2,542	NA
SC-8	4/27/12	1 to 7	47.5	NA
SC-9	4/30/12	1 to 7	13.9	66.6

NA – Not Analyzed

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

Laboratory analyses for TH-3, TH-5, TH-6, TH-8, TH-9, TH-11, TH-16, and TH-20 were used to confirm field screening results from the initial assessment. Benzene concentrations were reported below the NMOCD action level of 10 mg/kg. Total BTEX concentrations ranged from less than 0.25 mg/kg in TH-6 to 284 mg/kg in TH-20. TPH concentrations as GRO/DRO ranged from 103 mg/kg in TH-16 to 3,680 mg/kg in TH-20.

Laboratory analytical results of SC-1 through SC-8 were used to confirm field screening results during excavation activities. Benzene concentrations ranged from less than 0.050 mg/kg up to 4.1 mg/kg. Total BTEX concentrations ranged from 0.17 mg/kg in SC-8 up to 180 mg/kg in SC-5. TPH concentrations as GRO/DRO ranged from 16 mg/kg in SC-8 up to 2,610 mg/kg in SC-5. Results are presented in Table 2 and on Figures 3 and 4. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, BTEX and TPH
 SJ 28-7 #55 Release Assessment and Final Excavation, March and April 2012

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
<i>NMOCD Action Level*</i>			10	50	1,000	
TH-3	3/26/12	3.5	<1.0	94.3	880	110
TH-5	3/26/12	3	<0.50	60.9	700	72
TH-6	3/26/12	1.5	<0.050	<0.25	8.7	150

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
TH-8	3/26/12	2.5	<0.25	82.5	1,000	52
TH-9	3/26/12	1	<0.25	16.3	200	120
TH-11	3/26/12	4	0.19	7.9	100	18
TH-16	3/26/12	5	<0.050	5.9	83	20
TH-20	3/26/12	4	<1.0	284	3,200	480
SC-1	4/23/12	1 to 7	1.1	85.2	660	68
SC-2	4/23/12	7	4.1	26.2	510	21
SC-3	4/23/12	1 to 7	0.38	63.1	920	100
SC-4	4/23/12	1 to 7	0.60	21.2	150	28
SC-5	4/23/12	1 to 7	2.4	180	2,000	610
SC-6	4/27/12	1 to 7	3.4	158	NA	NA
SC-7	4/27/12	1 to 7	0.91	30.0	350	13
SC-8	4/27/12	1 to 7	<0.050	0.17	16	<10

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

3.0 Conclusions and Recommendations

On March 26, 2012, AES conducted an initial assessment of petroleum contaminated soils associated with a historical release at the San Juan 28-7 #55, located in Rio Arriba County, New Mexico. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993). Field screening showed concentrations above the NMOCD action levels of 100 ppm VOCs in TH-1 through TH-6, TH-8, TH-9, TH-11, TH-16, and TH-20. Field screening of TPH exceeded the NMOCD action level of 1,000 mg/kg in TH-2, TH-4, and TH-20.

Laboratory analyses of samples collected on March 26, 2012, showed that total BTEX concentrations were reported above the NMOCD action level of 50 mg/kg in TH-3, TH-5, TH-8 and TH-20. Concentrations of TPH as GRO/DRO were reported above the action level of 1,000 mg/kg in TH-8 and TH-20. Based on field screening and laboratory analytical results, excavation of the release area was recommended for the location.

On April 23, 27, and 30, 2012, final assessment of the excavation area was completed. Field screening results of the excavation extents showed that VOC concentrations were

above applicable NMOCD action levels in SC-1 through SC-7, with the highest concentration reported in SC-1 with 4,121 ppm. The field TPH reported in SC-9 was 66.6 mg/kg which is below the NMOCD action level of 1,000 mg/kg. Analytical results showed that benzene, total BTEX and TPH as GRO/DRO were reported below applicable NMOCD action levels in SC-2, SC-4, SC-7, and SC-8.

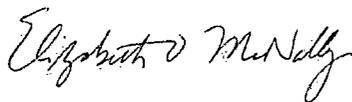
Based on final field screening and laboratory analytical results of the final excavation of petroleum contaminated soils at the San Juan 28-7 #55, benzene, total BTEX, VOCs, and TPH concentrations were below applicable NMOCD action levels. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,



Heather Woods
Staff Geologist

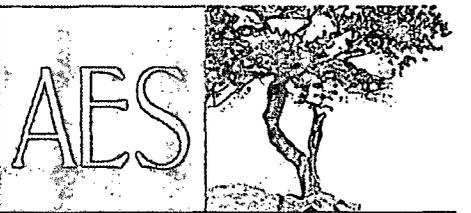
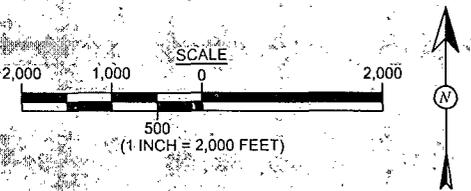
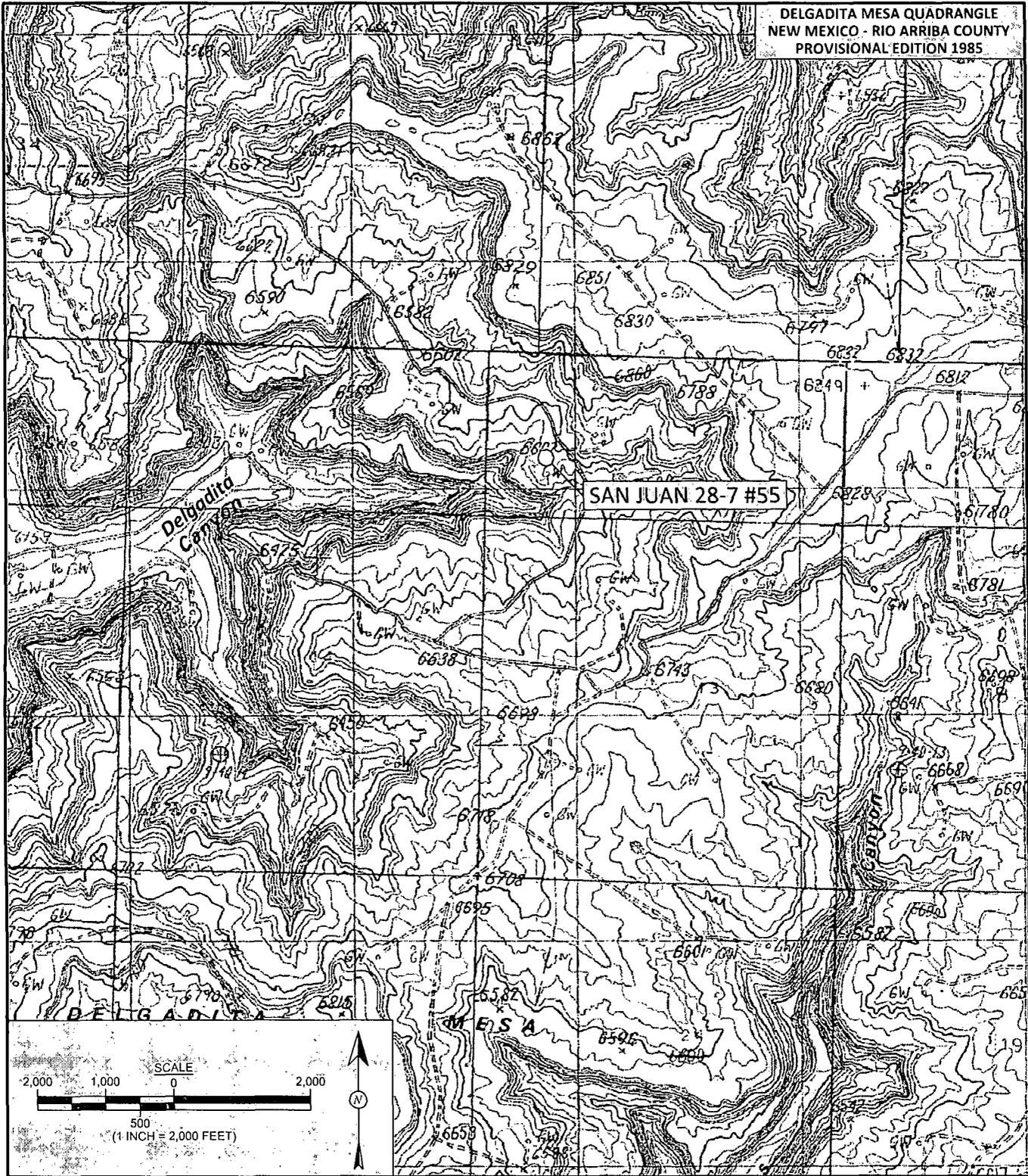


Elizabeth McNally, PE

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, March 2012
- Figure 3. Initial Assessment Soil Sample Locations and Results, March 2012
- Figure 4. Final Excavation Soil Sample Locations and Results, April 2012
- AES Field Screening Report 032612
- AES Field Screening Report 042312
- AES Field Screening Report 042712
- AES Field Screening Report 043012
- Hall Laboratory Analytical Report 1203A86
- Hall Laboratory Analytical Report 1204904
- Hall Laboratory Analytical Report 1204A77

DELGADITA MESA QUADRANGLE
 NEW MEXICO - RIO ARRIBA COUNTY
 PROVISIONAL EDITION 1985

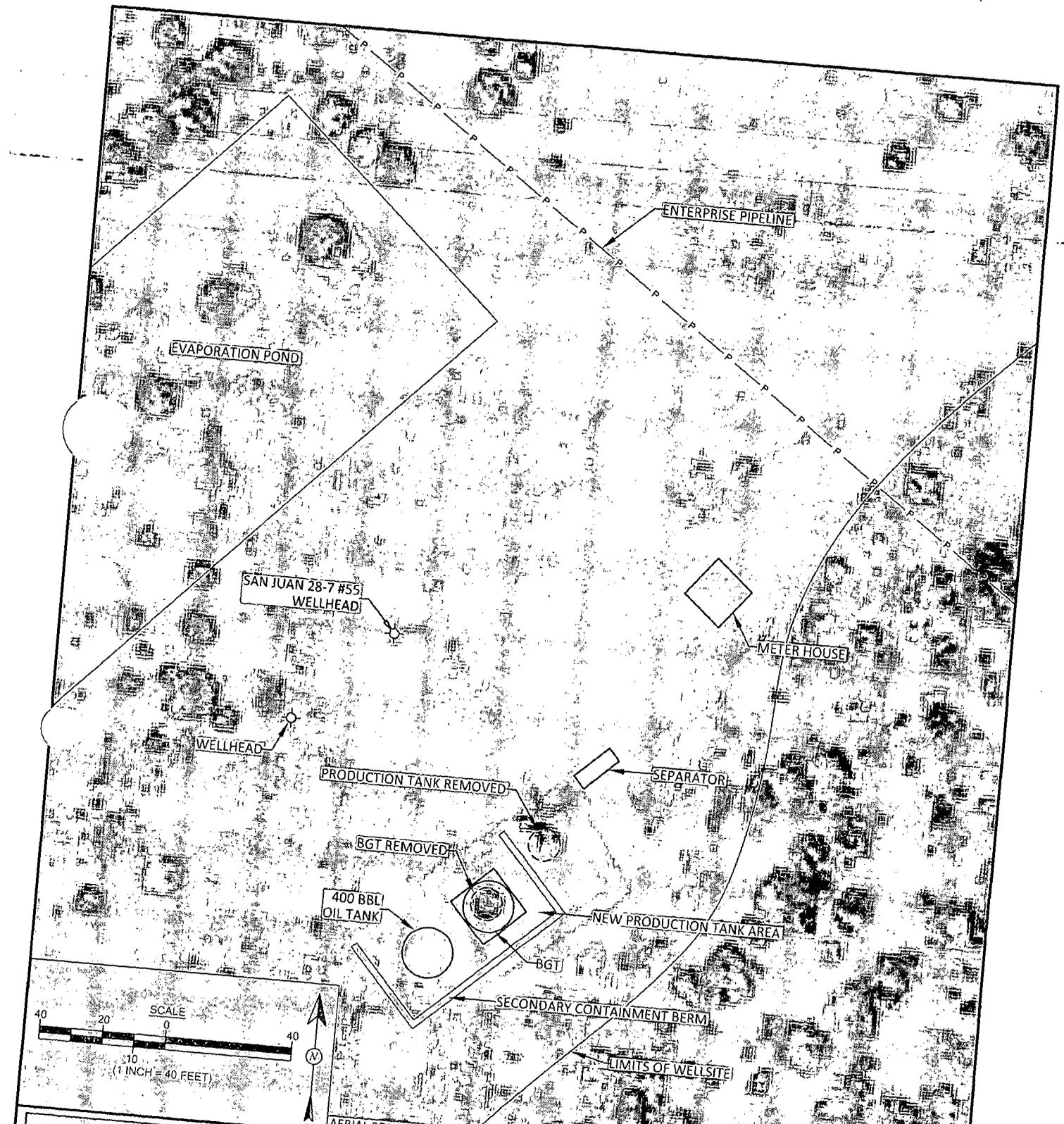


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: March 27, 2012
REVISIONS BY: C. Lameman	DATE REVISED: September 12, 2012
CHECKED BY: D. Watson	DATE CHECKED: September 12, 2012
APPROVED BY: E. McNally	DATE APPROVED: September 12, 2012

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
 ConocoPhillips
 SAN JUAN 28-7 #55
 RIO ARRIBA COUNTY, NEW MEXICO
 SW¼ SW¼, SECTION 12, T28N, R7W
 N36.67065, W107.53081



AERIAL SOURCE: (c) 2012 MICROSOFT CORPORATION - AVAILABLE EXCLUSIVELY BY DIGITALGLOBE



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REVISIONS BY: C. Lameman	DATE REVISED: September 12, 2012
CHECKED BY: D. Watson	DATE CHECKED: September 12, 2012
APPROVED BY: E. McNally	DATE APPROVED: September 12, 2012

FIGURE 2

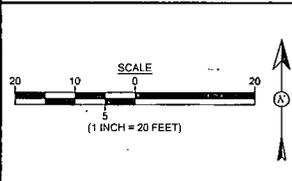
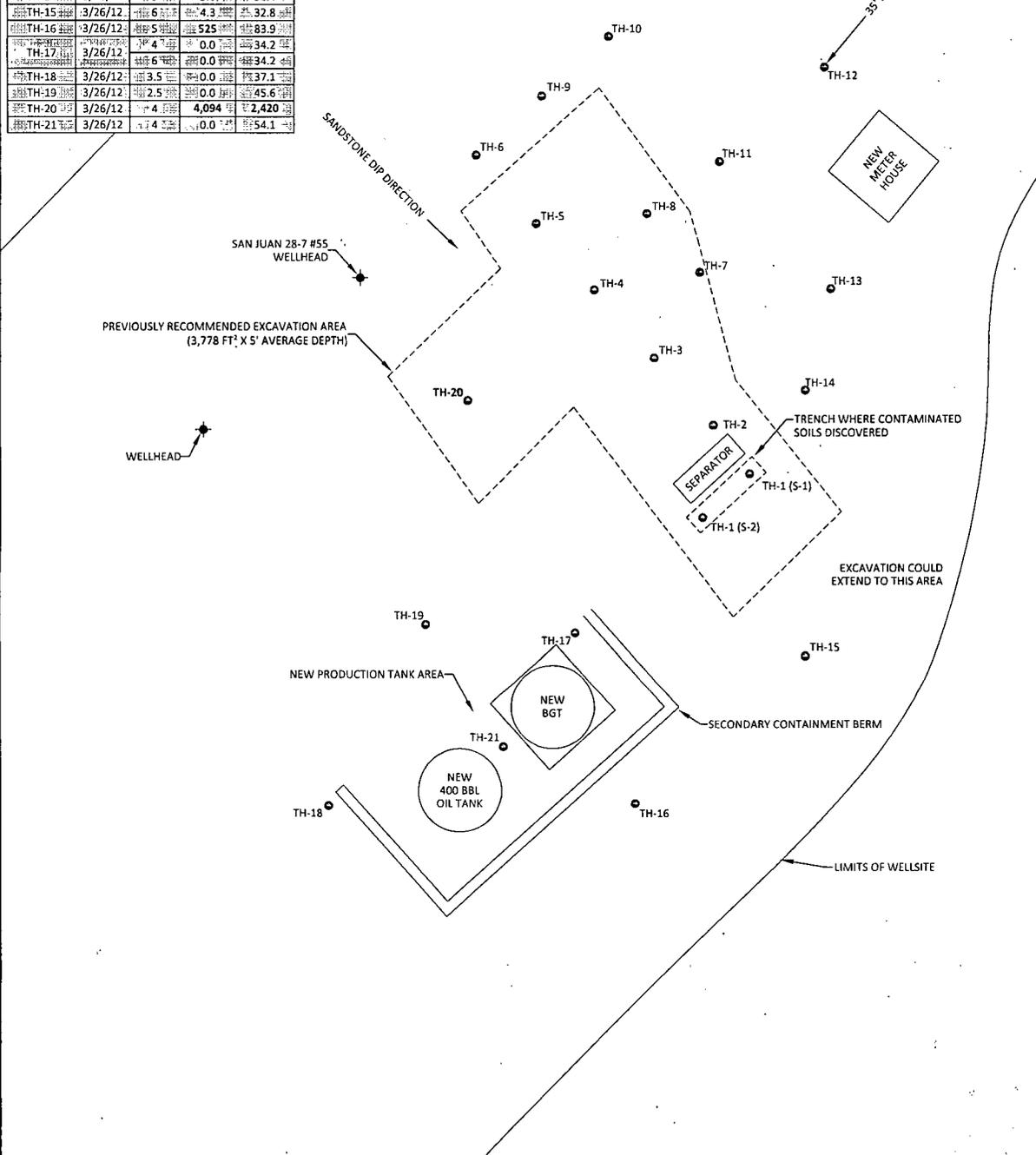
AERIAL SITE MAP
 ConocoPhillips
 SAN JUAN 28-7 #55
 RIO ARRIBA COUNTY, NEW MEXICO
 SW¼ SW¼, SECTION 12, T28N, R7W
 N36.67065, W107.53081

Sample ID	Date	Depth (ft)	OVMPID (ppm)	TPH (mg/kg)
Field Screening Results				
NMOCD Action Level: 100, 1,000				
TH-1 (S-1)	3/26/12	3	3,669	436
TH-1 (S-2)	3/26/12	3	3,271	595
TH-2	3/26/12	3	3,568	1,830
TH-3	3/26/12	8.5	3,433	NA
TH-3	3/26/12	10	4,975	156
TH-3	3/26/12	3.5	4,838	247
TH-4	3/26/12	3	3,823	1,030
TH-5	3/26/12	3	3,669	361
TH-6	3/26/12	1.5	303	NA
TH-7	3/26/12	1.5	10.1	24.3
TH-8	3/26/12	2.5	3,558	413
TH-9	3/26/12	1	4,103	264
TH-10	3/26/12	1	6.0	93.8
TH-11	3/26/12	4	1,111	55.5
TH-12	3/26/12	8	0.0	<20.0
TH-13	3/26/12	4	0.0	<20.0
TH-14	3/26/12	5	3.6	92.4
TH-15	3/26/12	6	4.3	32.8
TH-16	3/26/12	5	525	83.9
TH-17	3/26/12	4	0.0	34.2
TH-18	3/26/12	3.5	0.0	37.1
TH-19	3/26/12	2.5	0.0	45.6
TH-20	3/26/12	4	4,094	2,420
TH-21	3/26/12	1.4	0.0	54.1

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	Total DRO (mg/kg)
Laboratory Analytical Results						
NMOCD Action Level: 10, 50, 1,000						
TH-3	3/27/12	3.5	<1.0	94.3	880	110
TH-5	3/27/12	3	<0.50	60.9	700	72
TH-6	3/27/12	1.5	<0.050	<0.25	8.7	150
TH-8	3/27/12	2.5	<0.25	82.5	1,000	52
TH-9	3/27/12	1	<0.25	16.3	200	120
TH-11	3/27/12	4	<0.19	7.89	100	18
TH-16	3/27/12	5	<0.050	5.91	83	20
TH-20	3/27/12	4	<1.0	284	3,200	480

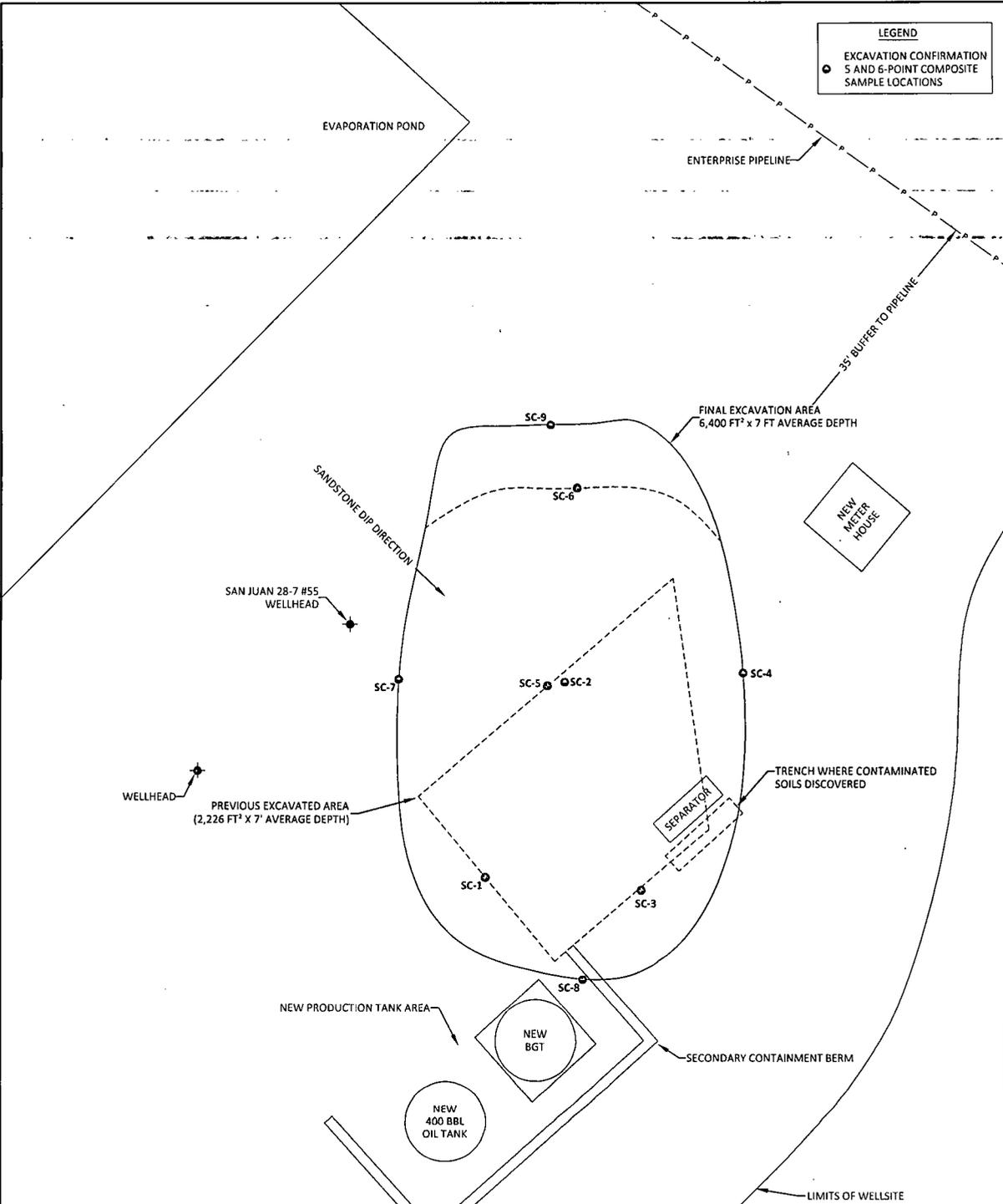
NOTE: ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B/8260B AND 8015B.

LEGEND
● RELEASE ASSESSMENT SAMPLE LOCATIONS



DRAWN BY: C. Lameman	DATE DRAWN: March 27, 2012
REVISIONS BY: C. Lameman	DATE REVISED: August 29, 2012
CHECKED BY: D. Watson	DATE CHECKED: August 29, 2012
APPROVED BY: E. McNally	DATE APPROVED: August 29, 2012

FIGURE 3
INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS
APRIL 2012
ConocoPhillips
SAN JUAN 28-7 #55
RIO ARRIBA COUNTY, NEW MEXICO
SW¼, SW¼, SECTION 12, T28N, R7W
N36.67065, W107.53081



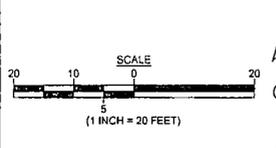
LEGEND
 ● EXCAVATION CONFIRMATION
 ● 5 AND 6-POINT COMPOSITE SAMPLE LOCATIONS

Sample ID	Date	Location	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)	
NMOCD Action Level					100	1,000
SC-1	4/23/12	W. WALL	1 to 7	4,121	NA	
SC-2	4/23/12	BASE	7	2,658	NA	
SC-3	4/23/12	S. WALL	1 to 7	4,169	NA	
SC-4	4/23/12	E. WALL	1 to 7	1,326	NA	
SC-5	4/23/12	N. WALL	1 to 7	3,903	NA	
SC-6	4/23/12	N. WALL	1 to 7	3,457	NA	
SC-7	4/27/12	W. WALL	1 to 7	2,542	NA	
SC-8	4/27/12	S. WALL	1 to 7	47.5	NA	
SC-9	4/30/12	N. WALL	1 to 7	13.9	66.6	

NA - NOT ANALYZED

Sample ID	Date	Location	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	Total DRO (mg/kg)
NMOCD Action Level							
				10	50	1,000	
SC-1	4/23/12	W. WALL	1 to 7	1.1	85.2	660	68
SC-2	4/23/12	BASE	7	4.1	26.2	510	21
SC-3	4/23/12	S. WALL	1 to 7	0.38	63.1	920	100
SC-4	4/23/12	E. WALL	1 to 7	0.60	21.2	150	28
SC-5	4/23/12	N. WALL	1 to 7	2.4	180	2,000	610
SC-6	4/23/12	N. WALL	1 to 7	3.4	158	NA	NA
SC-7	4/27/12	W. WALL	1 to 7	0.91	30.0	350	13
SC-8	4/27/12	S. WALL	1 to 7	<0.050	0.17	16	<10

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND/OR 8015B
 NA - NOT ANALYZED



DRAWN BY: C. Lameman
DATE DRAWN: March 27, 2012
REVISIONS BY: C. Lameman
DATE REVISED: September 12, 2012
CHECKED BY: D. Watson
DATE CHECKED: September 12, 2012
APPROVED BY: E. McNally
DATE APPROVED: September 12, 2012

FIGURE 4
FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS, APRIL 2012
 ConocoPhillips
 SAN JUAN 28-7 #55
 RIO ARRIBA COUNTY, NEW MEXICO
 SW¼ SW¼, SECTION 12, T28N, R7W
 N36.6706S, W107.53081

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 3/26/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-1@ 3' (SC-1)	3/26/2012	15:01	3,669	15:30	436	20.0	1	CL
TH-1 @ 3' (SC-2)	3/26/2012	15:06	3,271	15:32	595	20.0	1	CL
TH-2 @ 3'	3/26/2012	15:12	3,568	15:35	1,830	20.0	1	CL
TH-2 @ 8.5'	3/26/2012	15:20	3,433	Not Analyzed for TPH				
TH-2 @ 10'	3/26/2012	15:34	4,975	16:05	156	20.0	1	CL
TH-3 @ 3.5'	3/26/2012	15:39	4,838	16:23	247	20.0	1	CL
TH-4 @ 3'	3/26/2012	15:47	3,823	16:28	1,030	20.0	1	CL
TH-5 @ 3'	3/26/2012	15:54	3,669	16:33	361	20.0	1	CL
TH-6 @ 1.5'	3/26/2012	16:01	303	Not Analyzed for TPH				
TH-7 @ 1.5'	3/26/2012	16:07	10.1	16:38	24.3	20.0	1	CL
TH-8 @ 2.5'	3/26/2012	16:15	3,558	16:43	413	20.0	1	CL
TH-9 @ 1'	3/26/2012	16:21	4,103	16:47	264	20.0	1	CL
TH-10 @ 1'	3/26/2012	16:27	6.0	17:22	93.8	20.0	1	CL

Sample ID	Collection Date	Time of Sample Collection	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-11 @ 4'	3/26/2012	16:35	1,111	17:27	55.5	20.0	1	CL
TH-11 @ 8'	3/26/2012	16:45	54.9	17:35	18.6	20.0	1	CL
TH-12 @ 4'	3/26/2012	16:54	0.0	17:39	4.45	20.0	1	CL
TH-13 @ 4'	3/26/2012	17:02	14.4	17:43	5.87	20.0	1	CL
TH-14 @ 5'	3/26/2012	17:10	3.6	17:48	92.4	20.0	1	CL
TH-15 @ 6'	3/26/2012	17:19	4.3	17:52	32.8	20.0	1	CL
TH-16 @ 5'	3/26/2012	17:27	525	17:56	83.9	20.0	1	CL
TH-17 @ 4'	3/26/2012	17:34	0.0	18:01	34.2	20.0	1	CL
TH-17 @ 6'	3/26/2012	17:43	0.0	18:05	34.2	20.0	1	CL
TH-18 @ 3.5'	3/26/2012	17:50	0.0	18:10	37.1	20.0	1	CL
TH-19 @ 2.5'	3/26/2012	17:56	0.0	18:14	45.6	20.0	1	CL
TH-20 @ 4'	3/26/2012	18:02	4,094	18:18	2,420	20.0	1	CL
TH-21 @ 4'	3/26/2012	18:08	0.0	18:22	54.1	20.0	1	CL

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

NA Not Analyzed

DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:



AES Field Screening Report



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

Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 4/23/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	4/23/2012	12:17	West Wall	4,121	Not Analyzed for TPH			
SC-2	4/23/2012	12:20	Base	2,658	Not Analyzed for TPH			
SC-3	4/23/2012	13:23	South Wall	4,169	Not Analyzed for TPH			
SC-4	4/23/2012	13:35	East Wall	1,326	Not Analyzed for TPH			
SC-5	4/23/2012	13:40	Norh Wall	3,903	Not Analyzed for TPH			

AES Field Screening Report



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970-403-3274

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 4/27/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-6	4/27/2012	11:35	North Wall	3,457	<i>Not Analyzed for TPH</i>			
SC-7	4/27/2012	11:40	West Wall	2,542	<i>Not Analyzed for TPH</i>			
SC-8	4/27/2012	11:45	South Wall	47.5	<i>Not Analyzed for TPH</i>			

AES Field Screening Report



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

Durango, Colorado
970-403-3274

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 4/30/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-9	4/30/2012	15:17	North Wall	13.9	66.6	20.0	1	TCR

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Jami Ross



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

April 12, 2012

Ross Kennemer

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 564-2281

FAX (505) 324-2022

RE: CoP San Juan 28-7 #55

OrderNo.: 1203A86

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/29/2012 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued March 30, 2012.

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.

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-3 @ 3.5'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 3:50:00 PM

Lab ID: 1203A86-001

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	110	9.7	H	mg/Kg	1	4/10/2012 9:35:42 AM
Surr: DNOP	102	77.4-131	H	%REC	1	4/10/2012 9:35:42 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	880	250	H	mg/Kg	50	4/10/2012 11:40:00 AM
Surr: BFB	132	69.7-121	SH	%REC	50	4/10/2012 11:40:00 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		mg/Kg	20	3/29/2012 11:44:03 AM
Toluene	5.2	1.0		mg/Kg	20	3/29/2012 11:44:03 AM
Ethylbenzene	2.1	1.0		mg/Kg	20	3/29/2012 11:44:03 AM
Xylenes, Total	87	2.0		mg/Kg	20	3/29/2012 11:44:03 AM
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%REC	20	3/29/2012 11:44:03 AM
Surr: 4-Bromofluorobenzene	77.8	70-130		%REC	20	3/29/2012 11:44:03 AM
Surr: Dibromofluoromethane	94.5	71.7-132		%REC	20	3/29/2012 11:44:03 AM
Surr: Toluene-d8	93.0	70-130		%REC	20	3/29/2012 11:44:03 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

Analytical Report

Lab Order 1203A86

Date Reported: 4/12/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-5 @ 3'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 3:55:00 PM

Lab ID: 1203A86-002

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						
Analyst: JMP						
Diesel Range Organics (DRO)	72	9.9	H	mg/Kg	1	4/10/2012 10:54:10 AM
Surr: DNOP	100	77.4-131	H	%REC	1	4/10/2012 10:54:10 AM
EPA METHOD 8015B: GASOLINE RANGE						
Analyst: NSB						
Gasoline Range Organics (GRO)	700	100	H	mg/Kg	20	4/10/2012 12:08:47 PM
Surr: BFB	197	69.7-121	SH	%REC	20	4/10/2012 12:08:47 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						
Analyst: RAA						
Benzene	ND	0.50		mg/Kg	10	3/29/2012 12:11:58 PM
Toluene	6.5	0.50		mg/Kg	10	3/29/2012 12:11:58 PM
Ethylbenzene	2.4	0.50		mg/Kg	10	3/29/2012 12:11:58 PM
Xylenes, Total	52	1.0		mg/Kg	10	3/29/2012 12:11:58 PM
Surr: 1,2-Dichloroethane-d4	95.7	70-130		%REC	10	3/29/2012 12:11:58 PM
Surr: 4-Bromofluorobenzene	80.4	70-130		%REC	10	3/29/2012 12:11:58 PM
Surr: Dibromofluoromethane	91.8	71.7-132		%REC	10	3/29/2012 12:11:58 PM
Surr: Toluene-d8	93.4	70-130		%REC	10	3/29/2012 12:11:58 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

Analytical Report

Lab Order 1203A86

Date Reported: 4/12/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-6 @ 1.5'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 4:06:00 PM

Lab ID: 1203A86-003

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	150	9.8	H	mg/Kg	1	4/10/2012 11:15:25 AM
Surr: DNOP	106	77.4-131	H	%REC	1	4/10/2012 11:15:25 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	8.7	5.0	H	mg/Kg	1	4/10/2012 12:37:32 PM
Surr: BFB	156	69.7-121	SH	%REC	1	4/10/2012 12:37:32 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	3/29/2012 12:40:11 PM
Toluene	ND	0.050		mg/Kg	1	3/29/2012 12:40:11 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/29/2012 12:40:11 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/29/2012 12:40:11 PM
Surr: 1,2-Dichloroethane-d4	90.7	70-130		%REC	1	3/29/2012 12:40:11 PM
Surr: 4-Bromofluorobenzene	83.0	70-130		%REC	1	3/29/2012 12:40:11 PM
Surr: Dibromofluoromethane	90.7	71.7-132		%REC	1	3/29/2012 12:40:11 PM
Surr: Toluene-d8	97.1	70-130		%REC	1	3/29/2012 12:40:11 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-8 @ 2.5'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 4:20:00 PM

Lab ID: 1203A86-004

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	52	10	H	mg/Kg	1	4/10/2012 10:02:57 AM
Surr: DNOP	92.4	77.4-131	H	%REC	1	4/10/2012 10:02:57 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1,000	100	H	mg/Kg	20	4/10/2012 1:06:18 PM
Surr: BFB	206	69.7-121	SH	%REC	20	4/10/2012 1:06:18 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.25		mg/Kg	5	3/29/2012 1:08:36 PM
Toluene	20	0.25		mg/Kg	5	3/29/2012 1:08:36 PM
Ethylbenzene	3.5	0.25		mg/Kg	5	3/29/2012 1:08:36 PM
Xylenes, Total	59	0.50		mg/Kg	5	3/29/2012 1:08:36 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	5	3/29/2012 1:08:36 PM
Surr: 4-Bromofluorobenzene	60.9	70-130	S	%REC	5	3/29/2012 1:08:36 PM
Surr: Dibromofluoromethane	92.0	71.7-132		%REC	5	3/29/2012 1:08:36 PM
Surr: Toluene-d8	95.7	70-130		%REC	5	3/29/2012 1:08:36 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-9 @ 1'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 4:26:00 PM

Lab ID: 1203A86-005

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	120	9.8	H	mg/Kg	1	4/10/2012 11:17:58 AM
Surr: DNOP	94.4	77.4-131	H	%REC	1	4/10/2012 11:17:58 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	200	50	H	mg/Kg	10	4/10/2012 1:35:03 PM
Surr: BFB	183	69.7-121	SH	%REC	10	4/10/2012 1:35:03 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.25		mg/Kg	5	3/29/2012 1:36:57 PM
Toluene	0.92	0.25		mg/Kg	5	3/29/2012 1:36:57 PM
Ethylbenzene	0.41	0.25		mg/Kg	5	3/29/2012 1:36:57 PM
Xylenes, Total	15	0.50		mg/Kg	5	3/29/2012 1:36:57 PM
Surr: 1,2-Dichloroethane-d4	90.0	70-130		%REC	5	3/29/2012 1:36:57 PM
Surr: 4-Bromofluorobenzene	65.5	70-130	S	%REC	5	3/29/2012 1:36:57 PM
Surr: Dibromofluoromethane	89.9	71.7-132		%REC	5	3/29/2012 1:36:57 PM
Surr: Toluene-d8	92.3	70-130		%REC	5	3/29/2012 1:36:57 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

Analytical Report

Lab Order 1203A86

Date Reported: 4/12/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-11 @ 4'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 4:37:00 PM

Lab ID: 1203A86-006

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	18	10	H	mg/Kg	1	4/10/2012 11:43:02 AM
Surr: DNOP	91.5	77.4-131	H	%REC	1	4/10/2012 11:43:02 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	100	10	H	mg/Kg	2	4/10/2012 2:03:53 PM
Surr: BFB	349	69.7-121	SH	%REC	2	4/10/2012 2:03:53 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	0.19	0.050		mg/Kg	1	3/29/2012 2:05:10 PM
Toluene	ND	0.050		mg/Kg	1	3/29/2012 2:05:10 PM
Ethylbenzene	1.1	0.050		mg/Kg	1	3/29/2012 2:05:10 PM
Xylenes, Total	6.6	0.10		mg/Kg	1	3/29/2012 2:05:10 PM
Surr: 1,2-Dichloroethane-d4	96.7	70-130		%REC	1	3/29/2012 2:05:10 PM
Surr: 4-Bromofluorobenzene	53.1	70-130	S	%REC	1	3/29/2012 2:05:10 PM
Surr: Dibromofluoromethane	94.0	71.7-132		%REC	1	3/29/2012 2:05:10 PM
Surr: Toluene-d8	96.8	70-130		%REC	1	3/29/2012 2:05:10 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

Analytical Report

Lab Order 1203A86

Date Reported: 4/12/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-16 @.5'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 5:20:00 PM

Lab ID: 1203A86-007

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	20	10	H	mg/Kg	1	4/10/2012 10:27:57 AM
Surr: DNOP	90.9	77.4-131	H	%REC	1	4/10/2012 10:27:57 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	83	10	H	mg/Kg	2	4/10/2012 2:32:43 PM
Surr: BFB	238	69.7-121	SH	%REC	2	4/10/2012 2:32:43 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	3/29/2012 2:33:16 PM
Toluene	0.33	0.050		mg/Kg	1	3/29/2012 2:33:16 PM
Ethylbenzene	0.38	0.050		mg/Kg	1	3/29/2012 2:33:16 PM
Xylenes, Total	5.2	0.10		mg/Kg	1	3/29/2012 2:33:16 PM
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%REC	1	3/29/2012 2:33:16 PM
Surr: 4-Bromofluorobenzene	72.4	70-130		%REC	1	3/29/2012 2:33:16 PM
Surr: Dibromofluoromethane	95.9	71.7-132		%REC	1	3/29/2012 2:33:16 PM
Surr: Toluene-d8	94.0	70-130		%REC	1	3/29/2012 2:33:16 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

Analytical Report

Lab Order 1203A86

Date Reported: 4/12/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-20 @ 4'

Project: CoP San Juan 28-7 #55

Collection Date: 3/26/2012 6:00:00 PM

Lab ID: 1203A86-008

Matrix: MEOH (SOIL)

Received Date: 3/29/2012 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	480	9.9	H	mg/Kg	1	4/10/2012 10:52:54 AM
Surr: DNOP	94.1	77.4-131	H	%REC	1	4/10/2012 10:52:54 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	3,200	250	H	mg/Kg	50	4/10/2012 3:01:30 PM
Surr: BFB	227	69.7-121	SH	%REC	50	4/10/2012 3:01:30 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		mg/Kg	20	3/29/2012 3:01:27 PM
Toluene	45	1.0		mg/Kg	20	3/29/2012 3:01:27 PM
Ethylbenzene	9.3	1.0		mg/Kg	20	3/29/2012 3:01:27 PM
Xylenes, Total	230	2.0		mg/Kg	20	3/29/2012 3:01:27 PM
Surr: 1,2-Dichloroethane-d4	97.3	70-130		%REC	20	3/29/2012 3:01:27 PM
Surr: 4-Bromofluorobenzene	72.5	70-130		%REC	20	3/29/2012 3:01:27 PM
Surr: Dibromofluoromethane	86.3	71.7-132		%REC	20	3/29/2012 3:01:27 PM
Surr: Toluene-d8	92.8	70-130		%REC	20	3/29/2012 3:01:27 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1203A86

12-Apr-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	MB-1449	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	1449	RunNo:	1997					
Prep Date:	4/10/2012	Analysis Date:	4/10/2012	SeqNo:	55703	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	9.6		10.00		96.5	77.4	131			

Sample ID	LCS-1449	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	1449	RunNo:	1997					
Prep Date:	4/10/2012	Analysis Date:	4/10/2012	SeqNo:	55855	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	62.7	139			
Surr: DNOP	4.5		5.000		90.6	77.4	131			

Sample ID	MB-1435	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	1435	RunNo:	1997					
Prep Date:	4/9/2012	Analysis Date:	4/10/2012	SeqNo:	56265	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		94.8	77.4	131			

Sample ID	LCS-1435	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	1435	RunNo:	1997					
Prep Date:	4/9/2012	Analysis Date:	4/10/2012	SeqNo:	56506	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		89.7	77.4	131			

Sample ID	1204317-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1435	RunNo:	1997					
Prep Date:	4/9/2012	Analysis Date:	4/10/2012	SeqNo:	56508	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		4.902		94.1	77.4	131			

Sample ID	1204317-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1435	RunNo:	1997					
Prep Date:	4/9/2012	Analysis Date:	4/10/2012	SeqNo:	56509	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		4.907		91.8	77.4	131	0	0	

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#: 1203A86

12-Apr-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	1204357-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1449	RunNo:	2035					
Prep Date:	4/10/2012	Analysis Date:	4/11/2012	SeqNo:	56728	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	9.9	49.41	87.63	69.7	57.2	146			
Surr: DNOP	4.5		4.941		91.8	77.4	131			

Sample ID	1204357-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1449	RunNo:	2035					
Prep Date:	4/10/2012	Analysis Date:	4/11/2012	SeqNo:	56729	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	140	10	50.35	87.63	110	57.2	146	16.0	26.7	
Surr: DNOP	4.7		5.035		93.1	77.4	131	0	0	

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#: 1203A86

12-Apr-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	B5	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	R2021	RunNo:	2021					
Prep Date:		Analysis Date:	4/10/2012	SeqNo:	56278	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1,000		98.7	69.7	121			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	R2021	RunNo:	2021					
Prep Date:		Analysis Date:	4/10/2012	SeqNo:	56789	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	1,100		1,000		107	69.7	121			

Sample ID	1203A86-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	TH-3 @ 3.5'	Batch ID:	R2021	RunNo:	2021					
Prep Date:		Analysis Date:	4/10/2012	SeqNo:	56790	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	2,300	250	1,250	882.1	112	85.4	147			H
Surr: BFB	78,000		50,000		155	69.7	121			SH

Sample ID	1203A86-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	TH-3 @ 3.5'	Batch ID:	R2021	RunNo:	2021					
Prep Date:		Analysis Date:	4/10/2012	SeqNo:	56791	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	2,300	250	1,250	882.1	110	85.4	147	1.34	19.2	H
Surr: BFB	81,000		50,000		162	69.7	121	0	0	SH

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#: 1203A86

12-Apr-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	5ml-rb		SampType:	MBLK		TestCode:	EPA Method 8260B: Volatiles Short List				
Client ID:	PBS		Batch ID:	R1784		RunNo:	1784				
Prep Date:			Analysis Date:	3/29/2012		SeqNo:	50586		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: 1,2-Dichloroethane-d4	0.48		0.5000		95.0	70	130				
Surr: 4-Bromofluorobenzene	0.44		0.5000		89.0	70	130				
Surr: Dibromofluoromethane	0.46		0.5000		92.0	71.7	132				
Surr: Toluene-d8	0.47		0.5000		94.1	70	130				

Sample ID	100ng lcs		SampType:	LCS		TestCode:	EPA Method 8260B: Volatiles Short List				
Client ID:	LCSS		Batch ID:	R1784		RunNo:	1784				
Prep Date:			Analysis Date:	3/29/2012		SeqNo:	50587		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	101	70.7	123				
Toluene	1.0	0.050	1.000	0	103	80	120				
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		87.1	70	130				
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.7	70	130				
Surr: Dibromofluoromethane	0.43		0.5000		86.1	71.7	132				
Surr: Toluene-d8	0.48		0.5000		96.5	70	130				

Sample ID	1203a86-001a ms		SampType:	MS		TestCode:	EPA Method 8260B: Volatiles Short List				
Client ID:	TH-3 @ 3.5'		Batch ID:	R1784		RunNo:	1784				
Prep Date:			Analysis Date:	3/29/2012		SeqNo:	50588		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	26	1.0	22.42	0	116	81.3	119				
Toluene	29	1.0	22.42	5.244	108	75	121				
Surr: 1,2-Dichloroethane-d4	11		11.21		98.9	70	130				
Surr: 4-Bromofluorobenzene	9.0		11.21		80.3	70	130				
Surr: Dibromofluoromethane	11		11.21		96.8	71.7	132				
Surr: Toluene-d8	11		11.21		95.8	70	130				

Sample ID	1203a86-001a msd		SampType:	MSD		TestCode:	EPA Method 8260B: Volatiles Short List				
Client ID:	TH-3 @ 3.5'		Batch ID:	R1784		RunNo:	1784				
Prep Date:			Analysis Date:	3/29/2012		SeqNo:	50589		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	21	1.0	22.42	0	93.2	81.3	119	21.9	15.7	R	
Toluene	28	1.0	22.42	5.244	103	75	121	4.30	16.2		
Surr: 1,2-Dichloroethane-d4	11		11.21		96.7	70	130	0	0		
Surr: 4-Bromofluorobenzene	9.2		11.21		82.1	70	130	0	0		

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#: 1203A86

12-Apr-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	1203a86-001a msd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	TH-3 @ 3.5'	Batch ID:	R1784	RunNo:	1784					
Prep Date:		Analysis Date:	3/29/2012	SeqNo:	50589	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	11		11.21		95.5	71.7	132	0	0	
Surr: Toluene-d8	11		11.21		100	70	130	0	0	

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1203A86
 Received by/date: AG 03/29/12
 Logged By: Michelle Garcia 3/29/2012 9:00:00 AM *Michelle Garcia*
 Completed By: Michelle Garcia 3/29/2012 9:42:46 AM *Michelle Garcia*
 Reviewed By: *[Signature]* 03/29/12

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? FedEx

Log In

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

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

Special Handling (if applicable)

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

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

18. Additional remarks:

19. Cooler Information

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



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

August 23, 2012

Ross Kennemer

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 486-1776

FAX (505) 324-2022

RE: CoP San Juan 28-7 #55

OrderNo.: 1204904

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/24/2012 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 25, 2012.

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.

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: CoP San Juan 28-7 #55

Collection Date: 4/23/2012 12:17:00 PM

Lab ID: 1204904-001

Matrix: MEOH (SOIL)

Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	68	10		mg/Kg	1	4/24/2012 11:09:41 AM
Surr: DNOP	103	77.4-131		%REC	1	4/24/2012 11:09:41 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	660	100		mg/Kg	20	4/24/2012 11:46:45 AM
Surr: BFB	119	69.7-121		%REC	20	4/24/2012 11:46:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	1.1	1.0		mg/Kg	20	4/24/2012 11:46:45 AM
Toluene	17	1.0		mg/Kg	20	4/24/2012 11:46:45 AM
Ethylbenzene	4.1	1.0		mg/Kg	20	4/24/2012 11:46:45 AM
Xylenes, Total	63	2.0		mg/Kg	20	4/24/2012 11:46:45 AM
Surr: 4-Bromofluorobenzene	109	80-120		%REC	20	4/24/2012 11:46:45 AM

Qualifiers:

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
X Value exceeds Maximum Contaminant Level.

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Analytical Report

Lab Order 1204904

Date Reported: 8/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: CoP San Juan 28-7 #55

Collection Date: 4/23/2012 12:20:00 PM

Lab ID: 1204904-002

Matrix: MEOH (SOIL)

Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	21	10		mg/Kg	1	4/24/2012 11:31:17 AM
Surr: DNOP	103	77.4-131		%REC	1	4/24/2012 11:31:17 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	510	100		mg/Kg	20	4/24/2012 3:21:26 PM
Surr: BFB	132	69.7-121	S	%REC	20	4/24/2012 3:21:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	4.1	1.0		mg/Kg	20	4/24/2012 3:21:26 PM
Toluene	5.0	1.0		mg/Kg	20	4/24/2012 3:21:26 PM
Ethylbenzene	4.1	1.0		mg/Kg	20	4/24/2012 3:21:26 PM
Xylenes, Total	13	0.50		mg/Kg	5	4/24/2012 12:48:11 PM
Surr: 4-Bromofluorobenzene	126	80-120	S	%REC	20	4/24/2012 3:21:26 PM

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

Analytical Report

Lab Order 1204904

Date Reported: 8/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-3

Project: CoP San Juan 28-7 #55

Collection Date: 4/23/2012 1:32:00 PM

Lab ID: 1204904-003

Matrix: MEOH (SOIL)

Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	100			mg/Kg	1	4/24/2012 11:53:00 AM
Surr: DNOP	112	77.4-131		%REC	1	4/24/2012 11:53:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	920			mg/Kg	5	4/24/2012 1:18:56 PM
Surr: BFB	400	69.7-121	S	%REC	5	4/24/2012 1:18:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	0.38	0.25		mg/Kg	5	4/24/2012 1:18:56 PM
Toluene	8.0	0.25		mg/Kg	5	4/24/2012 1:18:56 PM
Ethylbenzene	1.7	0.25		mg/Kg	5	4/24/2012 1:18:56 PM
Xylenes, Total	53	0.50		mg/Kg	5	4/24/2012 1:18:56 PM
Surr: 4-Bromofluorobenzene	163	80-120	S	%REC	5	4/24/2012 1:18:56 PM

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
X Value exceeds Maximum Contaminant Level.

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Analytical Report

Lab Order 1204904

Date Reported: 8/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-4

Project: CoP San Juan 28-7 #55

Collection Date: 4/23/2012 1:35:00 PM

Lab ID: 1204904-004

Matrix: MEOH (SOIL)

Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	28	10		mg/Kg	1	4/24/2012 12:14:39 PM
Surr: DNOP	104	77.4-131		%REC	1	4/24/2012 12:14:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	150	100		mg/Kg	20	4/24/2012 4:23:03 PM
Surr: BFB	147	69.7-121	S	%REC	20	4/24/2012 4:23:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	0.60	0.50		mg/Kg	20	4/24/2012 4:23:03 PM
Toluene	0.85	0.50		mg/Kg	20	4/24/2012 4:23:03 PM
Ethylbenzene	1.7	1.0		mg/Kg	20	4/24/2012 4:23:03 PM
Xylenes, Total	18	2.0		mg/Kg	20	4/24/2012 4:23:03 PM
Surr: 4-Bromofluorobenzene	128	80-120	S	%REC	20	4/24/2012 4:23:03 PM

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-5

Project: CoP San Juan 28-7 #55

Collection Date: 4/23/2012 1:40:00 PM

Lab ID: 1204904-005

Matrix: MEOH (SOIL)

Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	610	10		mg/Kg	1	4/24/2012 12:36:23 PM
Surr: DNOP	102	77.4-131		%REC	1	4/24/2012 12:36:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	2000	100		mg/Kg	20	4/24/2012 12:17:30 PM
Surr: BFB	240	69.7-121	S	%REC	20	4/24/2012 12:17:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	2.4	1.0		mg/Kg	20	4/24/2012 12:17:30 PM
Toluene	25	1.0		mg/Kg	20	4/24/2012 12:17:30 PM
Ethylbenzene	2.5	1.0		mg/Kg	20	4/24/2012 12:17:30 PM
Xylenes, Total	150	2.0		mg/Kg	20	4/24/2012 12:17:30 PM
Surr: 4-Bromofluorobenzene	151	80-120	S	%REC	20	4/24/2012 12:17:30 PM

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	MB-1666	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	1666	RunNo:	2321					
Prep Date:	4/24/2012	Analysis Date:	4/24/2012	SeqNo:	64737	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	10		10.00		102	77.4	131			

Sample ID	LCS-1666	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	1666	RunNo:	2321					
Prep Date:	4/24/2012	Analysis Date:	4/24/2012	SeqNo:	64738	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	62.7	139			
Surr: DNOP	4.5		5.000		89.7	77.4	131			

Sample ID	1204915-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1666	RunNo:	2346					
Prep Date:	4/24/2012	Analysis Date:	4/25/2012	SeqNo:	65688	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.6	48.08	0	98.2	57.2	146			
Surr: DNOP	3.9		4.808		81.9	77.4	131			

Sample ID	1204915-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1666	RunNo:	2346					
Prep Date:	4/24/2012	Analysis Date:	4/25/2012	SeqNo:	65773	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.9	49.55	0	101	57.2	146	5.62	26.7	
Surr: DNOP	4.2		4.955		83.9	77.4	131	0	0	

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID: 5ML RB	SampType: MBLK	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: PBS	Batch ID: R2334	RunNo: 2334								
Prep Date:	Analysis Date: 4/24/2012	SeqNo: 65017	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	1000		1000		104	69.7	121			

Sample ID: 2.5UG GRO LCS	SampType: LCS	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: LCSS	Batch ID: R2334	RunNo: 2334								
Prep Date:	Analysis Date: 4/24/2012	SeqNo: 65517	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	98.5	133			
Surr: BFB	1100		1000		109	69.7	121			

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBW	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65518	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	21		20.00		104	69.3	120			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSW	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65519	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.54	0.050	0.5000	0	107	101	123			
Surr: BFB	22		20.00		109	69.3	120			

Sample ID	1204865-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65532	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.54	0.050	0.5000	0	109	75.4	121			
Surr: BFB	21		20.00		103	69.3	120			

Sample ID	1204865-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65533	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.53	0.050	0.5000	0	106	75.4	121	2.77	10.5	
Surr: BFB	20		20.00		99.8	69.3	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65024	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65537	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	105	83.3	107			
Toluene	1.1	0.050	1.000	0	107	74.3	115			
Ethylbenzene	1.0	0.050	1.000	0	105	80.9	122			
Xylenes, Total	3.2	0.10	3.000	0	106	85.2	123			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65540	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								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	23		20.00		114	55	140			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSW	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65541	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	80	120			
Toluene	21	1.0	20.00	0	107	80	120			
Ethylbenzene	21	1.0	20.00	0	105	80	120			
Xylenes, Total	63	2.0	60.00	0	106	80	120			
1,2,4-Trimethylbenzene	19	1.0	20.00	0	96.9	80	120			
1,3,5-Trimethylbenzene	20	1.0	20.00	0	102	80	120			
Surr: 4-Bromofluorobenzene	23		20.00		116	55	140			

Sample ID	1204838-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65544	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0.1940	101	70.1	118			
Toluene	20	1.0	20.00	0.1980	99.3	72.3	117			
Ethylbenzene	20	1.0	20.00	0	99.4	73.5	117			
Xylenes, Total	60	2.0	60.00	0.4860	99.6	73.1	119			
1,2,4-Trimethylbenzene	18	1.0	20.00	0	90.7	65.8	121			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	96.5	71.1	118			
Surr: 4-Bromofluorobenzene	23		20.00		116	55	140			

Sample ID	1204838-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	BatchQC	Batch ID:	R2334	RunNo:	2334					
Prep Date:		Analysis Date:	4/24/2012	SeqNo:	65545	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0.1940	102	70.1	118	0.742	16.4	
Toluene	20	1.0	20.00	0.1980	98.8	72.3	117	0.540	13.9	
Ethylbenzene	20	1.0	20.00	0	99.0	73.5	117	0.363	13.5	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas Environmental Services

Project: CoP San Juan 28-7 #55

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	60	2.0	60.00	0.4860	98.9	73.1	119	0.673	12.9	
1,2,4-Trimethylbenzene	18	1.0	20.00	0	91.4	65.8	121	0.714	13.5	
1,3,5-Trimethylbenzene	20	1.0	20.00	0	97.7	71.1	118	1.24	13.7	
Surr: 4-Bromofluorobenzene	24		20.00		119	55	140	0	0	

Qualifiers:

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

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1204904
 Received by/date: [Signature]
 Logged By: Ashley Gallegos 4/24/2012 9:55:00 AM [Signature]
 Completed By: Ashley Gallegos 4/24/2012 10:03:17 AM [Signature]
 Reviewed By: [Signature] 04/24/12

Chain of Custody

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

Log In

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

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

Special Handling (if applicable)

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

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

18. Additional remarks:

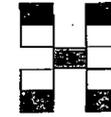
19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services LLC
 Mailing Address: 624 E Comanche Farmington NM 87401
 Phone #: 505-564-2281
 email or Fax#:
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation
 NELAP Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush same day
 Project Name:
CoP San Juan 28-7# 55
 Project #:
 Project Manager:
R. Kennemer
 Sampler: D. Watson
 On Ice: Yes No
 Sample Temperature: 31



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's (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)
4-23-12	1217	soil	SC-1	MEOH 4oz glass	Kitset non	1304310	X	X										
4-23-12	1220		SC-2				X	X										
4-23-12	1332		SC-3				X	X										
4-23-12	1335		SC-4				X	X										
4-23-12	1340		SC-5				X	X										

Date: 4/23/12 Time: 1525 Relinquished by: Rebeka Watson
 Received by: Christie White Date: 4/23/12 Time: 1525
 Date: 4/23/12 Time: 1647 Relinquished by: Christie Watson
 Received by: [Signature] Date: 04/24/12 Time: 0955

Remarks: Bill to ConocoPhillips

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



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

April 30, 2012

Ross Kennemer

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 486-1776

FAX (505) 324-2022

RE: SJ 28-7 #55

OrderNo.: 1204A77

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/28/2012 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.

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

Analytical Report

Lab Order 1204A77

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/30/2012

CLIENT: Animas Environmental Services

Client Sample ID: SC-6

Project: SJ 28-7 #55

Collection Date: 4/27/2012 11:35:00 AM

Lab ID: 1204A77-001

Matrix: MEOH (SOIL)

Received Date: 4/28/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	3.4	0.25		mg/Kg	5	4/29/2012 7:19:25 PM
Toluene	57	2.5		mg/Kg	50	4/30/2012 11:09:09 AM
Ethylbenzene	7.1	0.25		mg/Kg	5	4/29/2012 7:19:25 PM
Xylenes, Total	90	5.0		mg/Kg	50	4/30/2012 11:09:09 AM
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	50	4/30/2012 11:09:09 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

Analytical Report

Lab Order 1204A77

Date Reported: 4/30/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-7

Project: SJ 28-7 #55

Collection Date: 4/27/2012 11:40:00 AM

Lab ID: 1204A77-002

Matrix: MEOH (SOIL)

Received Date: 4/28/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	0.91	0.25		mg/Kg	5	4/29/2012 8:45:47 PM
Toluene	4.4	0.25		mg/Kg	5	4/29/2012 8:45:47 PM
Ethylbenzene	1.7	0.25		mg/Kg	5	4/29/2012 8:45:47 PM
Xylenes, Total	23	0.50		mg/Kg	5	4/29/2012 8:45:47 PM
Surr: 4-Bromofluorobenzene	107	80-120		%REC	5	4/29/2012 8:45:47 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-8

Project: SJ 28-7 #55

Collection Date: 4/27/2012 11:45:00 AM

Lab ID: 1204A77-003

Matrix: MEOH (SOIL)

Received Date: 4/28/2012 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	4/29/2012 10:12:05 PM
Toluene	ND	0.050		mg/Kg	1	4/29/2012 10:12:05 PM
Ethylbenzene	ND	0.050		mg/Kg	1	4/29/2012 10:12:05 PM
Xylenes, Total	0.17	0.10		mg/Kg	1	4/29/2012 10:12:05 PM
Surr: 4-Bromofluorobenzene	99.2	80-120		%REC	1	4/29/2012 10:12:05 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1204A77

30-Apr-12

Client: Animas Environmental Services

Project: SJ 28-7 #55

Sample ID	MB-1721	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	1721	RunNo:	2448					
Prep Date:	4/27/2012	Analysis Date:	4/29/2012	SeqNo:	68122	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	0.92		1.000		92.4	80	120			

Sample ID	LCS-1721	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	1721	RunNo:	2448					
Prep Date:	4/27/2012	Analysis Date:	4/29/2012	SeqNo:	68123	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.050	1.000	0	94.5	83.3	107			
Toluene	0.97	0.050	1.000	0	97.4	74.3	115			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80.9	122			
Xylenes, Total	2.9	0.10	3.000	0	96.5	85.2	123			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1204A77
 Received by/date: AT 04/28/12
 Logged By: Michelle Garcia 4/28/2012 10:30:00 AM *Michelle Garcia*
 Completed By: Michelle Garcia 4/28/2012 10:38:59 AM *Michelle Garcia*
 Reviewed By: AT 04/28/12

Chain of Custody

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

Log In

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

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

Special Handling (if applicable)

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

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

18. Additional remarks:

19. Cooler Information

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

