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.

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa	Fe, NM 87505
Release Notificati	ion and Corrective Action Revised
	OPERATOR Initial Report Sinal Rep
Name of Company ConocoPhillips Company	Contact Ashley Maxwell
Address 3401 East 30 th 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 Owne	er Federal API No. 3003907444
LOCATI	ON OF RELEASE
Unit LetterSectionTownshipRangeFeet from theNorM1228N7W800'	rth/South Line SouthFeet from the 891'East/West Line WestCounty Rio Arriba
Latitude <u>36.670</u>	<u>062</u> Longitude <u>-107.53024</u>
NATUR	KE OF RELEASE
Type of Release Produced Fluids	Volume of Release 1746 yds ³ Volume Recovered 1746 yds ³
Source of Release Unknown Production Equipment	Date and Hour of OccurrenceDate and Hour of Discovery03/26/201203/26/2012
Was Immediate Notice Given?	If YES, To Whom?
	red ,
By Whom?	Date and Hour
Was a Watercourse Reached?	r RCVD JAN 14 '14
If a Watercourse was Impacted, Describe Fully,*	
N/A	nict a
Describe Area Affected and Cleanup Action Taken.* Excavation was required based on NMOCD Guidelines for Remed 1746 yds ³ of soil was transported to a third party land farm. Excav below the regulatory standards set forth in the NMOCD Gu further action is needed.	liation of Leaks, Spills and Releases. The excavation was 60'X100'X5' and vation and confirmation sampling occurred. Analytical results were udelines for Remediation of Leaks, Spills and Releases; therefore no
I hereby certify that the information given above is true and complete tregulations all operators are required to report and/or file certain releas public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remee or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	to the best of my knowledge and understand that pursuant to NMOCD rules and se notifications and perform corrective actions for releases which may endanger y the NMOCD marked as "Final Report" does not relieve the operator of liability diate contamination that pose a threat to ground water, surface water, human health ort does not relieve the operator of responsibility for compliance with any other
sel	
Signature: Printed Name: Ashley Maxwell	Approved by Environmental Specialist: Jourth D. Kelly
Title: Field Environmental Specialist	Appreval Date: 1/4/2014 Expiration Date:
E-mail Address: ashley.p.wethington@conocophillips.com	Conditions of Approval:
Date: November 19, 2012 Phone: 505-324-5169	
Attach Additional Sheets If Necessary	nJK1401431792



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

Animas Environmental Services tre

www.animasenvironmental.com-

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

> Durango, Colorado 970-403-3274

OIL CONS. DIV DIST. 3

NOV 2 1 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 - SW¼ SW¼, 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.

Ashley Maxwell

SJ 28-7 #55 Initial Release Assessment and Final Excavation Report

September 12, 2012 Page 4 of 7

TPH (mg/kg) 1,000 436 595 1,830 NA 156 247 1,030 361 NA
(mg/kg) 1,000 436 595 1,830 NA 156 247 1,030 361 NA
1,000 436 595 1,830 NA 156 247 1,030 361 NA
436 595 1,830 NA 156 247 1,030 361 NA
595 1,830 NA 156 247 1,030 361 NA
1,830 NA 156 247 1,030 361 NA
NA 156 247 1,030 361 NA
156 247 1,030 361 NA
247 1,030 361 NA
1,030 361 NA
361 NA
NA
24.3
413
264
93.8
55.5
<20.0
<20.0
<20.0
92.4
32.8
83.9
34.2
34.2
37.1
45.6
2 120
2,420
54.1

Table 1. Soil Field Screening VOCs and TPH Results ---....

Ashley Maxwell

SJ 28-7 #55 Initial Release Assessment and Final Excavation Report September 12, 2012

Page 5 of 7

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
	NMOCD A	ction Level*	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.

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	
NMO	NMOCD Action Level*			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	

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

Ashley Maxwell

SJ 28-7 #55 Initial Release Assessment and Final Excavation Report

September 12, 2012

Page 6 of 7

		Sample					
-Sample ID	, Date Sampled	Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	(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 Ashley Maxwell SJ 28-7 #55 Initial Release Assessment and Final Excavation Report September 12, 2012 Page 7 of 7

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,

Aleather M. Woods

Heather Woods Staff Geologist

Elipsbut V Mendly

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

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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	ĊL
TH-1 @ 3' (SC-2)	3/26/2012	15:06	3,271	15:32	595	20.0	1	CĹ
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 Tl	РН	1
TH-2 @ 10'	3/26/2012	15:34	4,975	16:05	156	20.0	1	CĹ
TH-3 @ 3.5'	3/26/2012	15:39	4,838	16:23	247	20.0	1	ĊĹ
TH-4 @ 3'	3/26/2012	15:47	3,823	16:28	1,030	20.0	1	CL 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 Tl	РН	
TH-7 @ 1.5'	3/26/2012	16:07	10.1	16:38	24.3	20.0	1	cĹ
TH-8 @ 2.5'	3/26/2012	16:15	3,558	16:43	413	20.0	1	CĹ
TH-9 @ 1'	3/26/2012	16:21	4,103	16:47	264	20.0	1	CĹ
TH-10 @ 1'	3/26/2012	16:27	6.0	17:22	93.8	20.0	1	CL

Page 1 Report Finalized: 03/26/12

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	CĹ
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	ci
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:

- lun

AES Field Screening Report

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 4/23/2012

Matrix: Soil



Animas Environmental Services.LLC

www.animasenvironmental.com

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

> Durango, Colorado 970-403-3274

Sample ID	Collection	Time of Sample	Sample	O(M - (nnm))	Field TPH*	TPH PQL	DE	TPH Analysts
Sample ID	Date	CONECTION	Location		(1118/ 128)	(1116/ 16/	Dr	Initials
SC-1	4/23/2012	12:17	West Wall	4,121		Not Analyz	ed for TPH	
SC-2	4/23/2012	12:20	Base	2,658		Not Analyz	ed for TPH	
SC-3	4/23/2012	13:23	South Wall	4,169		Not Analyz	ed for TPH	
SC-4	4/23/2012	13:35	East Wall	1,326		Not Analyz	ed for TPH	Ĩ
SC-5	4/23/2012	13:40	Norh Wall	3,903		Not Analyz	ed for TPH	

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Report Finalized: 04/23/12

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AES Field Screening Report

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 4/27/2012

Matrix: Soil



Animas Environmental Services LLC

www.animasenvironmental.com

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

> Durango, Colorado 970-403-3274

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	Not Analyzed for TPH				
SC-7	4/27/2012	11:40	West Wall	2,542	Not Analyzed for TPH				
SC-8	4/27/2012	11:45	South Wall	47.5		Not Analyz	ed for TPH		

Report Finalized: 04/27/12

Report Finalized: 04/27/12 •

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AES Field Screening Report

Client: ConocoPhillips

Project Location: San Juan 28-7 #55

Date: 4/30/2012

Matrix: Soil

AES

Animas Environmental Services, LLC

www.animasenvironmental.com

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

> Durango, Colorado 970-403-3274

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.

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Analyst:

Total Petroleum Hydrocarbons - USEPA 418.1

Sami Koss

Report Finalized: 04/30/12

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Report Finalized: 04/30/12

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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 <u>www.hallenvironmental.com</u> 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,

Indie

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1203A86

Date Reported: 4/12/2012. ____

CLIENT: A	Animas Environmental Service	5		0	lient Sample	e ID: TH-3 (a), 3.5'
Project: C	CoP San Juan 28-7 #55				Collection D	ate: 3/26/20	012 3:50:00 PM
Lab ID: 1	203A86-001	Matrix:	MEOH (S	ŎĨĹ)	Received D	ate: 3/29/20	012 9:00:00 AM
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA METH	OD 8015B: DIESEL RANGE (RGANICS					Analyst: JMP
Diesel Ran	ge Organics (DRO)	110	9.7	н	mg/Kg	1	4/10/2012 9:35:42 AM
Surr: DN	IOP	102	77.4-131	Н	%REC	1	4/10/2012 9:35:42 AM
EPA METH	OD 8015B: GASOLINE RANG	E					Analyst: NSB
Gasoline R	ange Organics (GRO)	880	250	Η΄	mg/Kg	50	4/10/2012 11:40:00 AM
Surr: BFI	В	132	69.7-121	SH	%REC	50	4/10/2012 11:40:00 AM
EPA METH	OD 8260B: VOLATILES SHO	RT LIST					Analyst: RAA
Benzene		ND	1.0	1	mg/Kg	20	3/29/2012 11:44:03 AM
Toluene		5.2	1.0	1	mg/Kg	20	3/29/2012 11:44:03 AM
Ethylbenze	ne	2.1	1.0	1	mg/Kg	20	3/29/2012 11:44:03 AM
Xylenes, To	otal	87	2.0	1	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-B	Bromofluorobenzene	77.8	70-130	I	%REC	20	3/29/2012 11:44:03 AM
Surr: Dib	promofluoromethane	94.5	71.7-132		%REC	20	3/29/2012 11:44:03 AM
Surr: Tol	uene-d8	93.0	70-130	I	%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

Page 1 of 13

Hall Environmental Analy	sis Labora	tory, In	IC.		Lat Dat	Order 1203A86 te Reported: 4/12/2012			
CLIENT: Animas Environmental ServicesClient Sample ID: TH-5 @ 3'Project:CoP San Juan 28-7 #55Collection Date: 3/26/2012 3:55Lab ID:1203A86-002Matrix: MEOH (SOIL)Received Date: 3/29/2012 9:00									
Analyses	Result	. RL	Qual	Units	DF	Date Analyzed			
EPA METHOD 8015B: DIESEL RANG						Analyst: JMP			
Diesel Range Organics (DRO)	72	9.9	н	mg/Kg	1	4/10/2012 10:54:10 AM			
Surr: DNOP	100	77.4-131	н	%REC	1	4/10/2012 10:54:10 AM			
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: NSB			
Gasoline Range Organics (GRO)	700	. 100	н	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 SH	HORT 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	7 0-1 30		%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.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	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	•	Page 2 of 13

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Analytical Report

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'_____ Collection Date: 3/26/2012 4:06:00 PM CoP San Juan 28-7 #55 **Project:** 1203A86-003 Received Date: 3/29/2012 9:00:00 AM Lab ID: Matrix: MEOH (SOIL) Anal n .14 TI 14. Data Analyzad **n** 1 ъг

Result	ĸĿ	Quai	Units	Dr	Date Analyzed
GE ORGANICS					Analyst: JMP
150	9.8	н	mg/Kg	1	4/10/2012 11:15:25 AM
106	77.4-131	н	%REC	1	4/10/2012 11:15:25 AM
ANGE					Analyst: NSB
8.7	5.0	Н	mg/Kg	1	4/10/2012 12:37:32 PM
156	69.7-121	SH	%REC	1	4/10/2012 12:37:32 PM
HORT LIST					Analyst: RAA
ND	0.050		mg/Kg	1	3/29/2012 12:40:11 PM
ND	0.050		mg/Kg	1	3/29/2012 12:40:11 PM
ND	0.050		mg/Kg	1	3/29/2012 12:40:11 PM
ND	0.10		mg/Kg	1	3/29/2012 12:40:11 PM
90.7	70-130		%REC	· 1	3/29/2012 12:40:11 PM
83.0	70-130		%REC	1	3/29/2012 12:40:11 PM
90.7	71.7-132		%REC	1	3/29/2012 12:40:11 PM
97.1	70-130		%REC	1	3/29/2012 12:40:11 PM
	BE ORGANICS 150 106 ANGE 8.7 156 BHORT LIST ND ND ND ND 90.7 83.0 90.7 97.1	Result RL GE ORGANICS 150 9.8 106 77.4-131 ANGE 8.7 5.0 156 69.7-121 SHORT LIST ND 0.050 ND 0.050 ND 0.050 ND 0.10 90.7 70-130 90.7 71.7-132 97.1 70-130	Result RL Quar GE ORGANICS 150 9.8 H 106 77.4-131 H ANGE 8.7 5.0 H 156 69.7-121 SH HORT LIST ND 0.050 ND 0.050 ND 0.10 90.7 70-130 83.0 70-130 90.7 71.7-132 97.1 70-130	Kesult KL Qual Onits GE ORGANICS 150 9.8 H mg/Kg 106 77.4-131 H %REC ANGE 8.7 5.0 H mg/Kg 156 69.7-121 SH %REC SHORT LIST ND 0.050 mg/Kg ND 0.050 mg/Kg ND 0.050 mg/Kg ND 0.010 mg/Kg 90.7 70-130 %REC 83.0 70-130 %REC 90.7 71.7-132 %REC 90.7 71.7-130 %REC	Result RL Qual office DF GE ORGANICS 150 9.8 H mg/Kg 1 106 77.4-131 H %REC 1 ANGE 8.7 5.0 H mg/Kg 1 156 69.7-121 SH %REC 1 HORT LIST ND 0.050 mg/Kg 1 ND 0.10 mg/Kg 1 90.7 70-130 %REC 1 90.7 71.7-132 %REC 1 90.7 71.7-132 %REC 1 97.1 70-130 %REC 1

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- Oma	litiore	
- <u>v</u> ua	miters.	

*/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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 1203A86

Date Reported: 4/12/2012

CLIENT: Animas Environmental Services

Project: Lab ID: 1203A86-004

CoP San Juan 28-7 #55 Matrix: MEOH (SOIL)

Client Sample ID: TH-8 @ 2.5' Collection Date: 3/26/2012 4:20:00 PM

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS		•			Analyst: JMP
Diesel Range Organics (DRO)	52	10	н	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 R	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	1,000	100	н	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 S	SHORT LIST					Analyst: RAA
Benzene	¹ 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

*/X Value exceeds Maximum Contaminant Level. E Value above quantitation range

Qualifiers:

J

Analyte detected below quantitation limits

R RPD outside accepted recovery limits

- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit

Reporting Detection Limit RL

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Analytical Report Lab Order 1203A86 Date Reported: 4/12/2012 .

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

 Project:
 CoP San Juan 28-7 #55

 Lab ID:
 1203A86-005

Client Sample ID: TH-9 @ 1' Collection Date: 3/26/2012 4:26:00 PM

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: JMP
Diesel Range Organics (DRO)	120	9.8	н	mg/Kg	1	4/10/2012 11:17:58 AM
Surr: DNOP	94.4	77.4-131	Н	%REC	1	4/10/2012 11:17:58 AM
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: NSB
Gasoline Range Organics (GRO)	200	50	н	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 S	HORT 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

Matrix: MEOH (SOIL)

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
- ${\rm H}^-_{\rm c}$ Holding times for preparation or analysis exceeded \rightarrow

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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Hall E	nvironmental Analysis	Labora	atory, In	c.		Lab Date	Order 1203A86 Reported: 4/12/2012
CLIENT:	: Animas Environmental Services			. (lient Sample	e ID: TH-11	@ 4' -
Project:	CoP San Juan 28-7 #55				Collection E	Date: 3/26/20	12 4:37:00 PM
Lab ID:	1203A86-006	Matrix:	MEOH (SC	DIL)	Received D	Date: 3/29/20	12 9:00:00 AM
Analyses		Result	RL	Qual	Units	DF	Date Analyzed
EPA ME	THOD 8015B: DIESEL RANGE O	RGANICS					Analyst: JMP
Diesel R	ange Organics (DRO)	18	10	н	mg/Kg	1	4/10/2012 11:43:02 AM
Surr:	DNOP	91.5	77.4-131	н	%REC	1	4/10/2012 11:43:02 AM
EPA ME	THOD 8015B: GASOLINE RANG	E					Analyst: NSB
Gasoline	e Range Organics (GRO)	100	10	н	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 ME	THOD 8260B: VOLATILES SHOR	T LIST					Analyst: RAA
Benzene	e	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
Ethylber	nzene	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

Qual	ifiers:
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- E Value above quantitation range
- J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

- S Spike Recovery outside accepted recovery limits
- $B \quad \ \ Analyte \ detected \ in \ the \ associated \ Method \ Blank$

Analytical Report

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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Hall Environmental Analy	sis Lahora	tory. In	C.		Lab	Order 1203A86					
Than 12/1 vin on montal Analysis Labor atory, inc Date Reported: 4/12/2012											
CLIENT: Animas Environmental Serv	vices	-	(lient Sampl	e ID: TH-16	@.5'					
Project: CoP San Juan 28-7 #55				Collection	Date: 3/26/20	012 5:20:00 PM					
Lab ID: 1203A86-007	Matrix:	MEOH (SC	ĴĨĹ)	Received	Date: 3/29/2	012 9:00:00 AM					
Analyses .	Result	RL	Qual	Units	DF	Date Analyzed					
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: JMP					
Diesel Range Organics (DRO)	20	10	н	mg/Kg	1	4/10/2012 10:27:57 AM					
Surr: DNOP	90.9	77.4-131	Н	%REC	1	4/10/2012 10:27:57 AM					
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst: NSB					
Gasoline Range Organics (GRO)	. 83	10	н	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 S	HORT 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					

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Analytical Report

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Qualifiers:	*/X	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	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		Page 7

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Hall Environmental Analysis Laboratory, Inc.

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Lab Order 1203A86

Date Reported: 4/12/2012 -----

CLIENT: Animas Environmental Service	es -	· · ··••	C	lient Sample	e ID: TH-20	@ 4'
Project: CoP San Juan 28-7 #55				Collection E	Date: 3/26/20	012 6:00:00 PM
Lab ID: 1203A86-008	Matrix:	MEOH (S	OIL)	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	н	mg/Kg	1	4/10/2012 10:52:54 AM
Surr: DNOP	94.1	77.4-131	н	%REC	1	4/10/2012 10:52:54 AM
EPA METHOD 8015B: GASOLINE RAN	IGE					Analyst: NSB
Gasoline Range Organics (GRO)	3,200	250	н	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 SHO	ORT 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 ˈ	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	١
Quanners.	IA	

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

RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1203A86

12-Apr-12

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Client: Project:	Animas E CoP San	Environmenta Juan 28-7 #5	l Serv 5	vices	· · ·						
Sample ID	MB-1449	SampTyp	e: MB	LK	Tes	tCode: E	PA Method	8015B: Diese	el Range (Organics	
Client ID:	PBS	Batch ID): 144	9	F	RunNo: 1	997				
Prep Date:	4/10/2012	Analysis Date	e: 4/1	0/2012	S	SeqNo: 5	5703	Units: mg/K	g		
Analyte		Result F	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	SampTyp	e: LCS	3	Tes	tCode: E	PA Method	8015B: Diese	el Range (Drganics	
Client ID:	LCSS	Batch IC): 144	9	F	RunNo: 1	997				
Prep Date:	4/10/2012	Analysis Date	e: 4/1	0/2012	S	SeqNo: 5	5855	Units: mg/K	g		
Analyte		Result f	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	SampTyp	e: MB	 LΚ	Tes	tCode: E	PA Method	8015B: Diese	el Range (Organics	
Client ID:	PBS	Batch ID): 143	5	F	RunNo: 1	997				
Prep Date:	4/9/2012	Analysis Date	e: 4/1	0/2012	S	SeqNo: 5	6265	Units: %RE	с		
Analyte		Result I	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	SampTyp	e: LCS	3	Tes	tCode: E	PA Method	8015B: Diese	el Range C	Drganics	
Client ID:	LCSS	Batch ID): 143	5	F	RunNo: 1	997		-	•	
Prep Date:	4/9/2012	Analysis Date	e: 4/1	0/2012	S	SeqNo: 5	6506	Units: %RE	с		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.5	_ <u>_</u>	5.000		89.7	77,4	131			
Sample ID		SampType	e: MS		Test	tCode: E	PA Method	8015B: Diese	l Range (Droanics	
Client ID:	BatchQC	Batch ID): 143	5	R	RunNo: 1	997				
Prep Date:	4/9/2012	Analysis Date	e: 4/1	0/2012	S	SegNo: 5	6508	Units: %RE	с		
Analyte		Result F	POI	SPK value	SPK Ref Val	%REC	Lowl imit	Highl imit	%RPD	RPDI imit	Qual
Surr: DNOP	<u> </u>	4.6		4.902		94.1	77.4	131		TH BEIN	
Sample ID	1204317-001AMS	SampType			Test	tCode: E	PA Method	8015B. Diese	al Range ()rnanice	
Client ID	BatchQC	Batch IF): 143	5	R	RunNo ⁻ 1	997		a nange C	n gamos	
Prep Date:	4/9/2012	Analysis Date	: 4/1	- 0/2012	S	eaNo: 5	6509	Units: %RE	С		
Analuto		Popult F		CDK volue			Loui		- 0/ םחם		Qual
Surr: DNOP		4.5		4 907	JEN NEL VAL	91.8	77.4	131	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

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					WO#:
 T					

1203A86

12-Apr-12

Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Animas E CoP San	Environme Juan 28-7	ntal Ser #55	vices		·					
Sample ID	1204357-001AMS	SampT	Гуре: М	S .	Tes	tCode: E	PA Method	8015B: Diese	el Range (Organics	
Client ID:	BatchQC	Batc	h ID: 14	49	F	RunNo: 2	035				
Prep Date:	4/10/2012	Analysis E	Date: 4/	11/2012	5	6728	Units: mg/K	ζg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Drganics (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	1204357-001AMSI	D Samp1	ype: MS	SD	Tes	tCode: E	PA Method	8015B: Diese	el Range (Drganics	
Client ID:	BatchQC	Batcl	h ID: 14	49	F	RunNo: 2	035				
Prep Date:	4/10/2012	Analysis D	Date: 4/	11/2012	5	SeqNo: 5	6729	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	· %RPD	RPDLimit	Qual
Diesel Range C	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

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WO#: 1203A86

12-Apr-12

Han Environmental Analysis Laboratory, in	Hall	Envir	ronmental	l Anal	ysis	Lab	orat	ory,	Inc
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Client: Project:	Animas E CoP San	Environme Juan 28-7	ntal <u>Se</u> #55	<u>vices</u>		• • •	· _			-		
Sample ID	B5	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015B: Gase	oline Rang	e]
Client ID:	PBS	Batcl	n ID: R	2021	F	RunNo: 2	021					
Prep Date:		Analysis D	Date: 4	/10/2012	S	SeqNo: 5	6278	Units: mg/k	٨g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	ge Organics (GRO)	ND 990	5.0	1 000		98.7	69.7	121				_
												7
Sample ID	2.5UG GRO LCS	SampT	ype: LC	cs	TestCode: EPA Method 8015B: Gasoline Range							
Client ID:	LCSS	Batc	n ID: R 2	2021	F	RunNo: 2	021					
Prep Date:		Analysis E	Date: 4	/10/2012	5	SeqNo: 5	6789	Units: mg/ł	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Ran	ge 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	Samp1	ype: M	S	Tes	tCode: E	PA Method	8015B: Gaso	oline Rang	e		7
Client ID:	TH-3 @ 3.5'	Batcl	n ID: R2	2021	F	RunNo: 2	021					
Prep Date:		Analysis D	Date: 4	/10/2012	5	SeqNo: 5	6790	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	ge Organics (GRO)	2,300	250	1,250	882.1	112	85.4	147			Н	_
Surr: BFB		78,000		50,000		155	69.7	121		<u> </u>	SH	_
Sample ID	1203A86-001AMS	D SampT	ype: M	SD	Tes	tCode: E	PA Method	8015B: Gase	oline Rang	e		7
Client ID:	TH-3 @ 3.5'	Batch	n ID: R2	2021	F	RunNo: 2	021					
Prep Date:		Analysis E	Date: 4	/10/2012	S	SeqNo: 5	6791	Units: mg/H	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	ge Organics (GRO)	2,300	250	1,250	882.1	110	85.4	147	1.34	19.2	Н	_
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

Page 11 of 13

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1203A86

12-Apr-12

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_Client: Animas E Project: CoP San	n <u>viron</u> me Juan 28-7	ntal Ser #55	vices				· · · ·			-
Sample ID 5ml-rb	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch	1D: R1	784	F	RunNo: 1	784				
Prep Date:	- Analysis D	ate: 3/	/29/2012	` s	SeqNo: •5	0586	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050					•			
Toluene	ND	0.050	•							
Ethylbenzene	ND	0.050								
Xvlenes. 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: Toluopo d8	0.40		0.5000		0/ 1	70	130			
		·	0.5000		34.1	70				
Sample ID 100ng Ics	SampT	ype: LC	s	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: LCSS	Batch	n'ID: R1	784	F	RunNo: 1	784				
Prep Date:	Date: Analysis Date: 3/29/2012 SeqNo: 50587						Units: mg/K	g		
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	SampT	ype: MS	S	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: TH-3 @ 3.5'	Batch	n ID: R1	784	F	RunNo: 1	784				
Prep Date:	Analysis D	ate: 3	/29/2012	9	SeqNo: 5	0588	Units: mg/K	g		
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 msc	d SampT	ype: M	SD	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: TH-3 @ 3.5'	Batch	n ID: R1	1784	F	RunNo: 1 '	784				
Prep Date:	Analysis D	ate: 3	/29/2012	ę	SeqNo: 5	0589	Units: mg/K	g		
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

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Page 12 of 13

Hall Environmental Analysis Laboratory, Inc.

Client:	Animas Environmental Services		a and a second secon
Project:	CoP San Juan 28-7 #55		

Sample ID 1203a86-001a ms	f SampType: MSD			Tes						
Client ID: TH-3 @ 3.5'	TH-3 @ 3.5' Batch ID: R1784		F	RunNo: 1	784					
Prep Date: Analysis Date: 3/29/2012		S	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

Page 13 of 13

1203A86

WO#:

12-Apr-12

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Logged By: Michelle Garcia 3/29/2012 9:00:00 AM Thiskut Queues Completed By: Michelle Garcia 3/29/2012 9:42:46 AM Thiskut Queues Reviewed By: Difference Thiskut Queues Thiskut Queues Chain of Custody No No Not Present I 1. Were seals intact? Yes I No Not Present I 2. Is Chain of Custody complete? Yes I No Not Present I 3. How was the sample delivered? FedEx coolers are present? (see 19. for cooler specific information) Yes I No NA 5. Wes an attempt made to cool the samples? Yes I No NA 6. Wore all samples received at a temperature of >0° C to 6.0°C Yes I No NA 7. Sample(s) in proper container(s)? Yes I No NA 9. Are samples (except VOA and ONG) properly preserved? Yes I No NA 10. Was analy to added to bottles? Yes I No No Ma 12. Were any sample containers received broken? Yes I No Ma Adjusted? 13. Doaspapenvork match bottle tabels?	Client Name: Animas Environmental Received by/date:	03/29/12 W	ork Orde	er Num	ber: 1	1203A86	
Completed By: Michelle Rancia 3/29/2012 9.42-46 AM Image: I	Logged By: Michelle Garcia	3/29/2012 9:00:00 AM			mi	will Gorin	
Chain of Custody 1. Were seals intaxt? Yes No Not Present 2. Is Chain of Custody complets? Yes No Not Present 3. How was the sample delivered? FedEx Loa In	Completed By: Michelle Garcia	3/29/2012 9:42:46 AM		, ,	-Mi	irell Garrie	
1. Were seals intact? Yes No Not Present 2. Is Chain of Custody complete? Yes No Not Present 3. How was the sample delivered? FadEx 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 NA 9. Are samples (except VOA and ONG) property preserved? Yes No NA 10. Was preservative added to bottles? Yes No No VOA Vials If of preserved bottles preserved? 11. VOA vials have zero headspace? Yes No If of preserved bottle labels? Yes No 13. Does paperwork match bottle labels? Yes No Adjusted? Ice or >12 unless noted) 14. Are matrices correctly identified on Chain of Custody? Yes No Adjusted? 15. Is it clear what analyses were requested? Yes No Adjusted? 15. Were all holding times able to be met? Yes No	Chain of Custody						
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 □ NA □ 8. Sufficient samples volume for indicated test(s)? Yes ♥ No □ NA □ 9. Are samples (except VOA and ONG) properly preserved? Yes № No □ NA □ 10. Was preservative added to bottles? Yes № No □ No ○ NA □ 11. VOA vials have zero headspace? Yes № No □ No ○ NA □ 12. Were any sample containers received broken? Yes ♥ No □ Mo □ # of preserved bottle labels? 13. Does paperwork match bottle labels? Yes ♥ No □ Hout disc checked to P:::::::::::::::::::::::::::::::::::	1. Were seals intact?		Yes [No		Not Present 🗹	
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9. Are samples (except VOA and ONG) properly preserved? Yes No	8. Sufficient sample volume for indicated test(s)?	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? 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? Yes No ✓ (If no, notify customer for authorization.) Special Handling (if applicable) This order? Yes No 17. Was client notified of all discrepancies with this order? Yes No NA ✓ Person Notified:	9. Are samples (except VOA and ONG) propert	y preserved?	Yes	No No			
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? Yes No (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 (If no, notify customer for authorization.) Yes No Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Yes No Na Na Person Notified: By Whom: By Whom: By Whom: Via: eMail Phone Fax In Person	10. Was preservative added to bottles?		Yes (] No	✓	NA 🗌	
12. Were any sample containers received broken? Yes No ✓ 13. Does paperwork match bottle labels? Yes No ✓ 13. Does paperwork match bottle labels? 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? Yes No ✓ (If no, notify customer for authorization.) Yes No ✓ Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Yes No NA 17. Was client notified: Date: Date:	11 VOA vials have zero headspace?		Yes [_ No		No VOA Vials 🗹	
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By Whom: Via: eMail Phone Fax In Person	Person Notified:	Date:					
Regarding	By Whom:	Via:	eMail	🗌 P	hone	Fax In Person	
rogarang. 🖉	Regarding:						

Signed By

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

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Client:	Animas	Environn	nental Services	□ Standard	X Rush_	same day				ANA	LY	SIS	S L		OR		OR	- .Y
				Project Name):					ww	/w.ha	llenv	, ironr	nenta	al.co	m		
Mailing Add	Iress:	624 E Co	manche Farmington NM	CoP San Jua	n 28-7 #55			490)1 Ha	wkins	NE ·	- Alb	nane	eráue	: A. NA	л 8 ¹ 71	09	
	- <u> </u>	Farming	ton NM 87401	Project #:			1	Te	1 505	-345-	3975	F	-ax	505-	345-	4107		
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QA/QC Pack	age:	<u> </u>		R. Kennemer					- [
X Standar	d		Level 4 (Full Validation)						-									
Accreditatio				Sampler:	Tom Long		1							;				
		D Other		Onlicentin	WYeshin		-											2 2
EDD (Ty	/pe)			Sample Tem	oeralure		,											Σ
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NOR	8021 BTEX											Air Bubbles
3/26/2012	1550	SOIL	TH-3 @ 3.5'	MeOH kit; 4 oz jar	МеОН	-001	X				\top					·	╈	
3/26/2012	1555	SOIL	TH-5 @ 3'	MeOH kit; 4 oz jar	MeOH	002	X								,			
3/26/2012	1606	SOIL	TH-6 @ 1.5'	MeOH kit; 4 oz jar	MeOH	(203	X											
3/26/2012	1620	SOIL	TH-8 @ 2.5'	MeOH kit; 4 oz jar	MeOH	004	X											
3/26/2012	1626	SOIL	TH- 9 @ 1'	MeOH kit; 4 oz jar	MeOH	005	X											
3/26/2012	1637	SOIL	TH-11 @ 4'	MeOH kit; 4 oz jar	MeOH	006	X											
3/26/2012	1720	SOIL	TH-16 @ 5'	MeOH kit; 4 oz	MeOH	-007	X									ŀ		
3/26/2012	1800	SOIL	TH-20 @ 4'	MeOH kit; 4 oz iar	MeOH	008	X							-	!			
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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



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 <u>www.hallenvironmental.com</u> 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,

Indis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1204904

Date Reported: 8/23/2012

CLIENT: Animas Environmental Services

CoP San Juan 28-7 #55 **Project:** 1204904-001 Lab ID:

Client Sample ID: SC-1. Collection Date: 4/23/2012 12:17:00 PM

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 RAN	GE				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

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

Spike Recovery outside accepted recovery limits Page 1 of 11 S

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1204904**

-- 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 1204904-002 Received Date: 4/24/2012 9:55:00 AM Lab ID: Matrix: MEOH (SOIL) Analyses. Result **RL** Qual Units ·DF **Date Analyzed** EPA METHOD 8015B: DIESEL RANGE ORGANICS Analyst: JMP

Diesel Range Organics (DRO)	21	<u>,</u> 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	E					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
- 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

S

- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
 - Spike Recovery outside accepted recovery limits Page 2 of 11

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental ServicesClient Sample ID: SC-3Project:CoP San Juan 28-7 #55Collection Date: 4/23/2012 1:32:00 PMLab ID:1204904-003Matrix: MEOH (SOIL)Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst: JMP
Diesel Range Organics (DRO)	100	9.9		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 RA	ANGE					Analyst: NSB
Gasoline Range Organics (GRO)	920	25		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:

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit
- X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits Page 3 of 11

Lab Order **1204904** Date Reported: **8/23/2012**

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1204904 Date Reported: 8/23/2012

CLIENT: Animas Environmental Services **Client Sample ID: SC-4** Collection Date: 4/23/2012 1:35:00 PM **Project:** CoP San Juan 28-7 #55 Received Date: 4/24/2012 9:55:00 AM Lab ID: 1204904-004 Matrix: MEOH (SOIL)

Analyses I	Result	RL Qua	I Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE OR	GANICS				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

Qual	lifiers:	
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В

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- RL Reporting Detection Limit
- Х Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
 - R RPD outside accepted recovery limits
 - Spike Recovery outside accepted recovery limits Page 4 of 11 S

Analytical Report Lab Order 1204904 Date Reported: 8/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Project: CoP San Juan 28-7 #55

-

Lab ID:

Client Sample ID: SC-5

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

1204904-005

Matrix: MEOH (SOIL) Received Date: 4/24/2012 9:55:00 AM

Analyses	Result	RL O	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E 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 RA	ANGE					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:	В	Analyte detected in the associated Method Blank	E	Value above quantitation range
	Н	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
	Х	Value exceeds Maximum Contaminant Level.		Page 5 of 11

WO#: 1204904

Hall	Envi	ironmental	Analy	sis La	borator	v. Inc
					NOT RECOI	.,,,

4.2

4.955

23-Aug-12

Client:	Animas I	Environmenta	al Ser	vices	.						••••••
		Juan 26-7 #J	5								
Sample ID	MB-1666	SampTyp	e: MI	BLK	Tes	tCode: El	PA Method	8015B: Dies	el Range (Organics	
Client ID:	PBS	Batch II	D: 16	66	F	RunNo: 2	321				
Prep Date:	4/24/2012	Analysis Date	e: 4/	24/2012	5	SeqNo: 6	4737	Units: mg/k	ξg		
Analyte		Result I	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	SampTyp	e: LC	s	Tes	tCode: El	PA Method	8015B: Dies	el Range (Organics	
Client ID:	LCSS	Batch II	D: 16	66	٦ ٦	RunNo: 2	321				
Prep Date:	4/24/2012	Analysis Date	e: 4/	24/2012	5	SeqNo: 6	4738	Units: mg/H	ζg	: .	
Analyte		Result I	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	SampTyp	e: MS	3	Tes	tCode: El	PA Method	8015B: Dies	el Range (Organics	
Client ID:	BatchQC	Batch I	D: 16	66	F	RunNo: 2	346				
Prep Date:	4/24/2012	Analysis Date	e: 4/	25/2012	S	SeqNo: 6	5688	Units: mg/M	ίg		
Analyte		Result I	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	1204915-001AMS	D SampTyp	e: MS	SD	Tes	tCode: El	PA Method	8015B: Dies	el Range (Organics	
Client ID:	BatchQC	Batch II	D: 16	66	F	RunNo: 2	346				
Prep Date:	4/24/2012	Analysis Date	e: 4/	25/2012	S	SeqNo: 6	5773	Units: mg/k	ίg		
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	

Qualifiers:

Surr: DNOP

' 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

83.9

77.4

131

0

0

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

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WO#: 1204904

23-Aug-12

Hall	Environmental	Analysis	Laboratory, Inc.	
			• • • • • •	

Client: Animas Project: CoP San	Envi <u>ronme</u> Juan 28-7	ntal Ser #55	vices					-	_	
Sample ID 5ML RB	Samp	Type: Mi	BLK	Tes	tCode: E	PA Method	8015B: Gaso	oline Rang	e	
Client ID: PBS	Batc	h ID: R2	R2334 RunNo: 2334							
Prep Date:	Analysis [Date: 4	/24/2012	S	SeqNo: 6	5017	Units: mg/	٢g		
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	Samp	Type: LC	s	Tes	tCode: E	PA Method	8015B: Gaso	oline Rang	e	
Client ID: LCSS	Batc	h ID: R2	2334	F	RunNo: 2	334				
Prep Date:	Analysis [Date: 4	/24/2012	S	SeqNo: 6	5517	Units: mg/H	٢g		
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

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ODT 7

QC St Hall Er	vironmenta	REPOR	KI is Laborat	tory, Inc.		*	ż		WO#:	1204904 23-Aug-12
Client: Project:	<u>Animas</u> E CoP San	Environmental Juan 28-7 #55	Services							<u></u>
Sample ID	5ML RB	SampType	BLK	Tes	tCode: El	PA Method	8015B: Gasol	ine Rang	e	
Client ID:	PBW	Batch ID	R2334	F	RunNo: 2	334				
Prep Date:		Analysis Date	4/24/2012	5	SeqNo: 6	5518 ·	Units: mg/L			
Analyte		Result P	QL SPK value	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 0. 21	050 20.00)	104	69.3	120			
Sample ID	2.5UG GRO LCS	SampType	LCS	Tes	tCode: El	PA Method	8015B: Gasol	ine Rang	e .	
Client ID:	LCSW	Batch ID	R2334	F	RunNo: 2	334	•			м. М
Prep Date:		Analysis Date	4/24/2012	5	SeqNo: 6	5519	Units: mg/L			
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e 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	Tes	tCode: El	PA Method	8015B: Gaso	ine Rang	e	
Client ID:	BatchQC	Batch ID	R2334	F	RunNo: 2	334				
Prep Date:		Analysis Date	4/24/2012	5	SeqNo: 6	5532	Units: mg/L			
Analyte		Result P	QL SPK value	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	0.54 0.	.050 0.5000) 0	109	75.4	121			
Surr: BFB		21	20.00)	103	69.3	120			
Sample ID	1204865-001AMS	D SampType	: MSD	Tes	tCode: El	PA Method	8015B: Gaso	line Rang	e	
Client ID:	BatchQC	Batch ID	: R2334	F	RunNo: 2	334				
Prep Date:		Analysis Date	4/24/2012	:	SeqNo: 6	5533	Units: mg/L			
Analyte		Result P	QL SPK value	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	0.53 0	.050 0.5000) 0	106	75.4	121	2.77	10.5	

Qualifiers:

Surr: BFB

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н

20

20.00

ND Not Detected at the Reporting Limit

Reporting Detection Limit RL

Е Value above quantitation range

99.8

69.3

120

0

0

- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1204904

23-Aug-12

Client: Animas E	Environme	ntal Ser	vices							
Project: CoP San	Juan 28-7	#55								
Sample ID 5ML RB	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: R2334			F	RunNo: 2	334				
Prep Date:	Analysis [Date: 4/	24/2012	5	SeqNo: 6	5024	Units: mg/M	ζg		
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	<u>. </u>	. 114	80	120			
Sample ID 100NG BTEX LCS	Samp	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: R2	334	F	RunNo: 2	334				
Prep Date:	Analysis [Date: 4/	24/2012	S	SeqNo: 6	5537	Units: mg/M	ζg		
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

Page 9 of 11

WO#: 1204904

Hall	Envir	onmental	Ana	lysis	Labo	ratory,]	Inc.
				•		· · · · ·	

Hall Environmenta	I Anal	ysis I	Laborat	ory, Inc.	<u>.</u>					23-Aug-12
Client:Animas EProject:CoP San	E <u>nvironm</u> e Juan 28-7	ntal Ser #55	vices							· · · · · ·
Sample ID 5ML RB	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW	Batc	h ID: R2	334	· F	RunNo: 2	334				
Prep Date:	Analysis [Date: 4/	24/2012	. 5	SeqNo: 6	5540	Units: µg/L			
Analvte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighL imit	%RPD	RPDLimit	Qual.
Benzene	ND	1.0					·			
Toluene	ND	1.0						•		
Ethylbenzene	ND	1.0								
Xvlenes. Total	ND	2.0								
1 2 4-Trimethylbenzene	ND	1.0								
1.3.5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	23	1.0	20.00		114	55	140			·
			20.00	•	114		140			
Sample ID 100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batc	h ID: R2	:334	Я	RunNo: 2	334				
Prep Date:	Analysis [Date: 4/	24/2012	S	GeqNo: 6	5541	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	Samp	Туре: М:	S	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: BatchQC	Batc	h ID: R2	2334	F	RunNo: 2	334				
Prep Date:	Analysis I	Date: 4/	/24/2012	S	SeqNo: 6	5544	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 1204838-001AMS	D Samp	Type: MS	SD	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: BatchQC	Bato	h ID: R2	2334	F	RunNo: 2	334				
Prep Date:	Analysis I	Date: 4	/24/2012	S	SeqNo: 6	5545	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:

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

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

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WO#: 1204904

23-Aug-12

Hall	Environmental	Analysis	Laboratory,	Inc.
		· •	• •	

Client:Animas Environmental ServicesProject:CoP San Juan 28-7 #55

Sample ID 1204838-001AMS	SD Samp1	ype: MS	SD.	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: BatchQC	Batch	n ID: R2	334	R	unNo: 2	334				
Prep Date:	Analysis D)ate: 4/	24/2012	S	ieqNo: 6	5545	Units: µg/L			
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

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ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuguergue, NM 87105 TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.con

Sample Log-In Check List

Client Name: Animae Environmental	14	Inde Onlan Number 100	4004	
Destined builder Animas Environmental	V	Ork Order Number: 1204	4904	
Received by/date	· · · · ·		والمراجع	·· · · •
Logged By: Ashley Gallegos	4/24/2012 9:55:00 AM	. Af	•	
Completed By: Ashley Gallegos	4/24/2012 10:03:17 AM	A A		
Reviewed By: MC	04/24/12			
Chain of Custody	y it			
1. Were seals intact?		Yes 🗌 No 🗌 🛛 N	lot Present 🗹	
2. Is Chain of Custody complete?		Yes 🗹 No 🗌 🛛 N	lot Present	
3. How was the sample delivered?		Courier		
Log in				
4. Coolers are present? (see 19. for coo	ler specific information)	Yes 🗹 No 🗌	na 🗖	
5. Was an attempt made to cool the sar	nples?	Yes 🗹 No 🗌		
6. Were all samples received at a temp	erature of >0° C to 6.0°C	Yes 🗹 No 🗌	. NA 🗌	
7. Sample(s) in proper container(s)?		Yes 🗹 No 🗌		
8. Sufficient sample volume for indicate	d 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 Viais 🗹	
12. Were any sample containers received	1 broken?	Yes 🗆 No 🗹	# of preserved	
 Does paperwork match bottle labels? (Note discrepancies on chain of custo) 	ody)	Yes 🗹 No 🗆	bottles checked for pH:	
14. Are matrices correctly identified on C	hain of Custody?	Yes 🗹 No 🗌	(<2 or >12	unless noted)
15. Is it clear what analyses were reques	ted?	Yes 🗹 No 🗋		
(If no, notify customer for authorizatio	n.)	Yes 🕑 No 🛄	Checked by:	
Special Handling (if applicable)				
17. Was client notified of all discrepancie	s with this order?	Yes No		
Person Notified:	Date:	·····		
By Whom:	Via: [] eMail 🔲 Phone 🛄	Fax 🗌 In Person	
Regarding:				-
Client Instructions:				
18. Additional remarks:				
19 Cooler Information		÷		
	Seal intert Seal No.	Seal Date Signed B	By	
Cooler No Temp °C Condition		orgineu u		

C	hain	of-Cu	stody Record	Turn-Around	Time:				.		1-			FN	Ŵ	TR	0	NN	ЛE	NT	'AL	_
Client:	Anima	s Eh	vivonmental	🗆 Standard	Rush	Same	day			E,	A	N		YS	IS		AB	80	RA	TC	JR'	Y
	Sauch	car 1	LC	Project Name	2				(and the second s	5.			 halle		onm	ienta	al.co	m	1			
Mailing	Address	671 F	ECompucho	COP Sai	n Juan 2	28-7#	+55		49	01 Ha	awki	ns NF	= _ ,	Albu	lane	raue	. NN	1 87	i 109	-		
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Phone	#: 502	5 - 56	42281								<u> </u>	λų.	An	alys	sis F	Requ	lest	6		1999 - 1999 1997 - 1999 1997 - 1997		
email o	r Fax#:			Project Mana	ger:				ly)	sel)					4		1			Ţ		
QA/QC	Package: dard	·	Level 4 (Full Validation)	R.Ken	hemer			s (8021	(Gas ol	as/Die					PO4,S(PCB's				;		
Accred	itation			Sampler:	watson				Ηd	<u>в</u>	Ę	,			ş	3082				:		Î
	AP		r	On Ice:	X Nes 60	≇® No-			L +	015	418.	504	PA	S	ő) / Sé		(YO		1		٥
	(Type) _ I			Sample Tem	oerature: Com	3-1			TBE	od 8	ġ	por	ō	letal	U,N	icide	(A) 	i	i		ر الا
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		AL No	BTEX + M	BTEX + M	TPH Meth	TPH (Meth	EDB (Meth	8310 (PN/	RCRA 8 N	Anions (F,	8081 Pest	8260B (VC	8270 (Sen				Air Bubble
1-23-12	1217	sort	SC-1	402 gluss	hon	0	$-\infty1$	X		Х						·						
-23-12	1220		SC-2	. 1	1		-002	X		λ												
1-23-12	1332		8C-3				-003	X		X							i 1			1		Τ
-23-12	1335		8C-4				-004	K		X												
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1/23/17	1525	Debr	h Water	Mista	1. hole	4/23/	12 1525			. Đ	ull	Ь (a no	cot	hill	ips	i		1			
Date:	Time:	Relinquish	ed by:	Received by:	> 041	Dəle 24/12	Time									I				* . 		

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If necessary, camples 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.



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 <u>www.hallenvironmental.com</u> 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,

andis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1204A77

Hall Environmental Analysis Laboratory, Inc.

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Date Reported: 4/30/2012

CLIENT: Animas Environmental Servic Project: SJ 28-7 #55 Lab ID: 1204A77-001	Matrix:	MEOH (SOIL	Client Sample Collection D) Received D	ID: SC-6 ate: 4/27/2 ate: 4/28/2	012 11:35:00 AM 012 10:30:00 AM
Analyses	Result	RL Qu	al 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 AN
Surr: 4-Bromofluorobenzene	99.8	80-120	%REC	50	4/30/2012 11:09:09 AM

Qualifiers: */X

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

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

RL Reporting Detection Limit

Page 1 of 4

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Lab Order 1204A77 Date Reported: 4/30/2012

4/29/2012 8:45:47 PM

- CLIENT: Animas Environmental Service	es		Client Sample	e ID: SC-7	
Project: SJ 28-7 #55			Collection E	Date: 4/27/20	012 11:40:00 AM
Lab ID: 1204A77-002	Matrix:	MEOH (SOIL)	Received I	Date: 4/28/20	012 10:30:00 AM
Analyses	Result	RL Qua	l 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

80-120

107

%REC

5

Qualifiers: */X Value exceeds Maximum Contaminant Level. Analyte detected in the associated Method Blank В Ē Value above quantitation range Н 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

Page 2 of 4

Hall Environmental Analysis Laboratory, Inc.

Lab Order **1204A77** Date Reported: **4/30/2012**

- +

CLIENT: Animas Environmental Service Project: SJ 28-7 #55 Lab ID: 1204A77-003	ces Matrix:	Client Sample ID: SC-8 Collection Date: 4/27/2012 11:45:00 AM Matrix: MEOH (SOIL) Received Date: 4/28/2012 10:30:00 AM							
Analyses	Result	RL Qu	al 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.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	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		Page 3 of 4

Hall	Environmental	Analysis	Laboratory.	Inc.
TYPENT			Laboratory	

WO#: 30-Apr-12

<u>Client:</u>	Animas Environmental Services	
Project:	SJ 28-7 #55	•

Sample ID MB-1721	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Dient ID: PBS Batch ID: 1721		RunNo: 2448								
Prep Date: 4/27/2012	Analysis [Date: 4/	29/2012	S	BeqNo: 6	8122	Units: mg/k	۲g		
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	· 5	SeqNo: 6	8123	Units: mg/k	٢g		
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:

Value exceeds Maximum Contaminant Level. */X

< EValue above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit Page 4 of 4

HALL Hall Env ENVIRONMENTAL ANALYSIS LABORATORY TEL: 50 Websu	vironmental Analysis Laboratory 4901 Hawkins NE Albuquergue, NM 87105 S345-3975 FAX: 505-345-410; ite: www.hallenvironmental.con
Client Name: Animas Environmental Received by/date: 4 04/28//	Work Order Number: 1204A77
Logged By: Michelle Garcia 4/28/2012 10	D:30:00 AM Mirue Game
Completed By: Michelle Garcia 4/28/2012 10	D:38:59 AM Mikely Com
Reviewed By: AT 04/28/12	- Frind Guides
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 informat	tion) 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 the	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?	
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 	Yes V No + # of preserved bottles checked for pH:
14. Are matrices correctly Identified on Chain of Custody?	Yes V No (<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes V 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?	
Person Notified:	Date:
By Whom:	Via: 🗌 eMail 📋 Phone 🗍 Fax 📋 In Person
Regarding:	
Client Instructions:	
18, Additional remarks:	

19. Cooler Information

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

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Page 1 of 1

Chain-of-Custody Record	Turn-Around Time:	
Client: Animas Environmental	Standard KRush Samu day	
Carviego IIC	Project Name:	
Mailing Address: 624 E Company	- SJ 28-7 #55	
Filmanicalan NIA 97401	Project #:	Tol 505 245 2075 Eax 505 245 4107
		Analysis Request
email or Fax#:	Project Manager:	
QA/QC Package:	D V.	1021
Standard 🛛 🗆 Level 4 (Full Validati	on) R. Kennemer	
	Sampler: D Watson	
	Onice XYes INO	ort (03) (03) (03) (03) (03) (03) (03) (03)
	Samplechemperatures	NTBR A A or Nod (NHBR A A or Nod (S ()
Date Time Matrix Sample Request	Container Preservative	$\begin{array}{c c} D & (Metter + A \\ \hline D & (Netter + A \\$
	Type and # Type	T BU
A DT 12 112 F CA A SC-CA	(2)402,005 Cool, Oct	
1.111 155 80L CC 7	2) the istant and -(D)	
	meat zalent near - 002	
145 1 56-8	Meon sector mean - 003	
:		
Date: Time: Relinquished by:	Received by: Date Time	Remarks: Bull to Conorophillios
1/2/12 1458 Nulmah Water	1/ Mistry Walter 7/27/12 1458	W10 8992884 , ARREND
Date: Time: Relinquished by:	Received by Date Time	aneg 23 Wer both Ect
127/12 15to Achustin Wallers	Y Marin Mar 1030	Sup Gary/Lelon ashley Marie

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.

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