OIL CONS. DIV DIST. 3

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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

NOV 2 3 2015

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

			Rel	ease Notific							
N CO	0	DL 1111	- 0-			OPERATOR Initial Report Final Report Contact Lisa Hunter					
		onocoPhillip		1		Telephone No.(505) 258-1607					
		th St, Farmin an 28-7 #21		1			no.(303) 238-10 ne: Gas Well	507			
Facility Nai	ne: San Ju	an 20-7 #21	0		1	racinty Typ	e. Gas well	The state of			
Surface Ow	ner: Fede	ral	574	Mineral (Owner: I	Federal (SF	078569)	API	No. 30-045-20875		
				LOCA	ATION	OF RE	LEASE				
Unit Letter H	Section 8	Township 27N	Range 7W	Feet from the 2290	The state of the s	South Line North	Feet from the 980	East/West Lin East	County Rio Arriba		
				Latitude 36.		OF REL					
		ric Contamina	tion			Volume of			e Recovered 52 yds		
Source of Re							Iour of Occurren		nd Hour of Discovery		
Below Grad		710				Unknown	Wham 9	Septer	nber 8, 2014		
Was Immedi	ate Notice C		Yes [No Not R	equired	If YES, To N/A	wnom?				
By Whom?	N/A		3 -		T. Pas	Date and Hour					
Was a Water	course Read					If YES, Vo	olume Impacting	the Watercourse	THE RESERVE OF THE PERSON OF T		
			Yes 🛛	No		N/A					
N/A Describe Cau	use of Probl	em and Reme	dial Actio		ities			17.40			
Historical hy yds of soil w	drocarbon i as transport	ed to IEI land	was found farm and	while completing	oil from a	an approved	source was place	d in the excavation	s app. 15'dia x 8' in depth and 52 on site. Analytical results were		
regulations a public health should their or the enviro	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to addition, NMO	o report a acceptana adequately OCD accep	nd/or file certain in ce of a C-141 report investigate and in	release no ort by the remediate	otifications a NMOCD m contaminati	nd perform correct arked as "Final Roon that pose a the	ctive actions for deport" does not reat to ground wa	ursuant to NMOCD rules and releases which may endanger relieve the operator of liability ater, surface water, human health r compliance with any other		
						OIJ CONSERVATION DIVISION Approved by Enviro DENIED					
Printed Nam			1997				DA	TE: 124 94/15 (50	5) 334-6178 Ext. 119		
Title: Field	Environme	ntal Specialis	st		1	Approval Da	te:	Ехриан			
E-mail Addr		unter@cop.co	om	05) 050 160-	7	Conditions of	Approval:	1 1 -	Attached		

Animas Environmental Services, LLC



June 29, 2015

Lindsay Dumas ConocoPhillips San Juan Business Unit (505) 599-4089

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: Release Assessment and Final Excavation Report

San Juan 28-7 #216

Rio Arriba County, New Mexico

Dear Ms. Dumas:

On September 17 and on October 7, 21, and 23, 2014, 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 #216, located in Rio Arriba County, New Mexico. The release consisted of an unknown quantity of produced water and condensate and occurred due to overflow of the below grade tank (BGT), and in addition, historic contamination was also encountered while completing the site activities. The initial release assessment was completed by AES on September 17, 2014, and the final excavation was completed by CoP contractors prior to AES' arrival at the location on October 23, 2014.

1.0 Site Information

1.1 Location

Site Name – San Juan 28-7 #216

Location – SE¼ NE¾, Section 8, T27N, R7W, Rio Arriba County, New Mexico Well Head Latitude/Longitude – N36.58939, W107.59195

Release Location Latitude/Longitude – N36.58943, W107.59233

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, September 2014

604 W. Piñon St. Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 970-403-3084

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Approximately 400 feet west is a small unnamed wash that drains to Martin Canyon then Carrizo Canyon. (10 points)

1.3 Assessment

AES was initially contacted by Lindsay Dumas of CoP on September 8, 2014, and on September 17, 2014, Corwin Lameman and Sam Glasses of AES completed the release assessment field work. The assessment included collection and field sampling of 28 soil samples from 10 borings and 1 composite soil sample (SC-1) in and around the release area. Soil borings were terminated between 8 and 11.5 feet bgs. Based on laboratory analytical results of SC-1, AES recommended further release assessment work. On October 7, 2014, AES returned to the location to collect confirmation soil samples from the north half (SC-2) and south half (SC-3) of the release location. Based on field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On October 21 and 23, 2014, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of six confirmation soil samples (SC-4 through SC-9) from the walls and base of the excavation. The area of the final excavation consisted of the 15-ft diameter footprint below the BGT to a total depth of 8 feet bgs. A final confirmation soil sample (Soil) was collected from the northeast wall by CoP personnel on October 31, 2014, following application of potassium permanganate. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 36 soil samples from 10 borings (SB-1 through SB-10) and 9 composite samples (SC-1 through SC-9) were collected during the assessment field work. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Seven discrete samples (SB-1, SB-3, and

SB-6 through SB-10) and one composite sample (SC-1) collected during the initial assessment, and six composite samples (SC-4 through SC-9) collected during the excavation clearance were submitted for confirmation laboratory analysis.

2.1 Field Sampling

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 soil samples 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. All soil samples were laboratory analyzed for:

 TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

In addition, all samples except SB-7, SB-9, and SB-10 were laboratory analyzed for:

Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B.

2.3 Field and Laboratory Analytical Results

On September 17 and October 7, 2014, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.1 ppm in SB-10 up to 3,417 ppm in SB-2. Field TPH concentrations ranged from less than 20.0 mg/kg in SB-4 and SB-6 through SB-10 up to 2,250 mg/kg in SC-3.

On October 21 and 23, 2014, final excavation field screening results for VOCs via OVM ranged from 1,833 ppm in SC-5 up to 4,595 ppm in SC-7. Field TPH concentrations ranged

from 239 mg/kg in SC-6 up to 1,430 mg/kg in SC-9. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Table 1. Soil Field VOCs and TPH Results
San Juan 28-7 #216 Initial Release Assessment and Final Excavation
September and October 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMOCD AC	tion Level*	in the state of	100	1,000
		4	1.9	24.2
SB-1	9/17/14	6	21.6	31.1
		8	3,261	538
		4	3,417	NA
SB-2	9/17/14	6	1,370	NA
		8	1,379	139
		4	1.2	NA
60.0	0/47/44	6	3,325	NA
SB-3	9/17/14 -	8	1,901	1,660
		9.75	2,390	841
		4	2,761	NA
SB-4	9/17/14	6	2,618	NA
		8	252	<20.0
		4	3,084	NA
SB-5	9/17/14	6	3,277	NA
		8	2,618	847
CD C	0/17/11	6.5	14.5	<20.0
SB-6	9/17/14 -	10	740	578
60.7	0/47/44	6	3.9	<20.0
SB-7	9/17/14 -	9.5	69.0	51.8
and the state of		6	15.5	<20.0
SB-8	9/17/14	10	811	NA
		11.5	2,992	608
	0/1=/11	6	1.3	NA
SB-9	9/17/14 -	10.25	0.6	<20.0

nple ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)	
NMOCD	Action Level*	4-5	100	1,000	
2.10	0/17/14	6	0.1	NA	
3-10	9/1//14 -	9.75	0.2	<20.0	
C-1	9/17/14	4	NA	NA	
C-2	10/7/14	4.5	3,349	2,240	
C-3	10/7/14	4.5	3,353	2,250	
C-4	10/21/14	4 to 8	3,911	849	
C-5	10/21/14	4 to 8	1,833	627	
C-6	10/21/14	8	2,330	239	
C-7	10/23/14	8	4,595	983	
C-8	10/23/14	4 to 8	3,862	383	
C-9	10/23/14	4 to 8	3,872	1,430	
	NMOCD B-10 C-1 C-2 C-3 C-4 C-5 C-6 C-7	NMOCD Action Level* 8-10 9/17/14 - 9/17/14	Date Sampled Depth (ft bgs) NMOCD Action Level* 6 8-10 9/17/14 6 9.75 9.75 6-2 10/7/14 4 6-3 10/7/14 4.5 6-3 10/7/14 4.5 6-4 10/21/14 4 to 8 6-5 10/21/14 4 to 8 6-6 10/21/14 8 6-7 10/23/14 8 6-8 10/23/14 4 to 8	Date Sampled Depth (ft bgs) via OVM (ppm) NMOCD Action Level* 100 8-10 9/17/14 6 0.1 9-75 0.2 6-10 9/17/14 4 NA 6-2 10/7/14 4.5 3,349 6-3 10/7/14 4.5 3,353 6-4 10/21/14 4 to 8 3,911 6-5 10/21/14 4 to 8 1,833 6-6 10/21/14 8 2,330 6-7 10/23/14 8 4,595 6-8 10/23/14 4 to 8 3,862	

NA - not analyzed

Laboratory analyses for SB-1, SB-3, SB-6 through SB-10, and SC-1 were used to confirm field sampling results of the initial release assessment. Benzene concentrations were reported below laboratory detection limits in each sample. Total BTEX concentrations were reported from 0.15 mg/kg in SB-6 to 49 mg/kg in SC-1. TPH concentrations as GRO/DRO varied from below laboratory detection limits in SB-9 and SB-10 up to 1,590 mg/kg in SC-1.

Laboratory analyses for SC-4 through SC-9 were used to confirm field sampling results from the final excavation. Benzene concentrations ranged from below laboratory detection limits in SB-5, SB-8, and SB-9 up to 0.22 mg/kg in SC-7. Total BTEX concentrations ranged from 3.25 mg/kg in SC-8 up to 46.7 mg/kg in SC-4. TPH concentrations as GRO/DRO ranged from 251 mg/kg in SC-8 up to 1,040 mg/kg in SC-9. Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

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

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH San Juan 28-7 #216 Initial Release Assessment and Final Excavation September and October 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
NMOCD Action Level*			10	50	1,0	000
SB-1	9/17/14	8	<0.24	4.81	180	350
SB-3	9/19/14	8	<0.46	37.8	370	340
SB-6	9/17/14	10	<0.048	0.15	32	260
SB-7	9/17/14	9.25	NA	NA	6.2	11
SB-8	9/17/14	11.5	<0.048	0.36	28	150
SB-9	9/17/14	10.25	NA	NA	<4.9	<9.9
SC-1	9/19/14	4	<0.24	49	590	1,000
SC-4	10/21/14	4 to 8	0.37	46.7	660	200
SC-5	10/21/14	4 to 8	<0.12	13.9	250	260
SC-6	10/21/14	8	0.16	8.77	240	100
SC-7	10/23/14	8	0.22	11.8	330	310
SC-8	10/23/14	4 to 8	<0.080	3.25	91	160
SC-9	10/23/14	4 to 8	<0.16	16.1	390	650

NA - not analyzed

3.0 Conclusions and Recommendations

On September 17 and October 7, 2014, AES conducted an initial assessment of petroleum contaminated soils associated with a BGT overflow of produced water and condensate at the San Juan 28-7 #216. Note that additional historic contamination was also encountered during site activities. Action levels for releases are determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993), and the site was assigned a rank of 10.

In September 2014, initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in all samples except SB-9 and SB-10. The highest VOC concentration was reported in SB-2 with 3,417 ppm, and the highest TPH concentration was reported in SC-3 with 2,250 mg/kg. Laboratory analyses for SB-1, SB-3, SB-6 through SB-10, and SC-1 were used to confirm field sampling results. Benzene and

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

Lindsay Dumas San Juan 28-7 #216 Release Assessment and Final Excavation Report June 29, 2015 Page 7

total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively, in each sample. However, TPH concentrations as GRO/DRO exceeded the NMOCD action level of 1,000 mg/kg in SC-1 (1,590 mg/kg).

On October 23, 2014, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were above applicable NMOCD action levels for the final walls and base of the excavation. In contrast, field TPH concentrations were below the applicable NMOCD action level of 1,000 mg/kg for the final walls and base of the excavation, with the exception of SC-9 (northeast wall) which had a TPH concentration of 1,430 mg/kg. Laboratory analytical results reported benzene and total BTEX concentrations in all samples below NMOCD action levels, and TPH concentrations as GRO/DRO were reported below the applicable NMOCD action level in all samples except SC-9 (1,040 mg/kg). Potassium permanganate was applied to the northeast wall of the excavation (near SC-9), and an additional confirmation sample (Soil) was collected by CoP personnel on October 31, 2014.

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 28-7 #216, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final sidewalls and the base of the excavation. No further work is recommended.

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

Sincerely,

David J. Reese

Environmental Scientist

Elizabeth V Mindly

Dail g Rem

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, September 2014

Figure 3. Initial Assessment Sample Locations and Results, September 2014

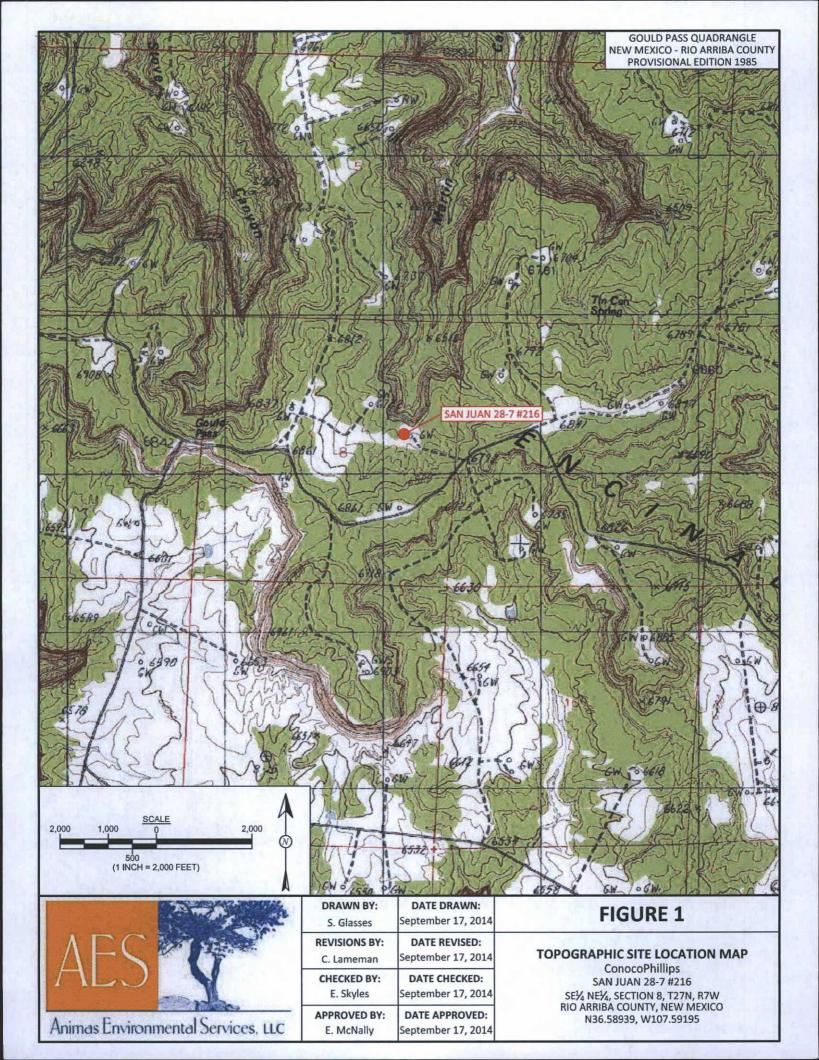
Figure 4. Excavation Clearance Sample Locations and Results, October 2014

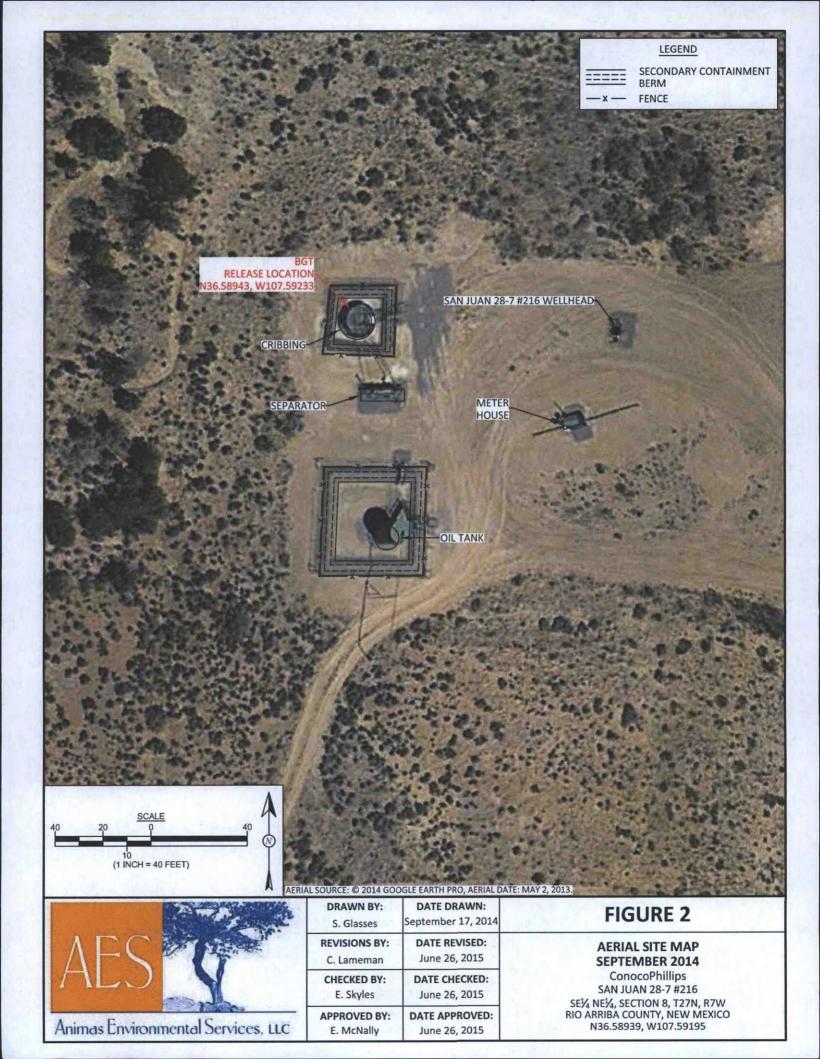
AES Field Sampling Report 091714

Lindsay Dumas San Juan 28-7 #216 Release Assessment and Final Excavation Report June 29, 2015 Page 8

AES Field Sampling Report 100714
AES Field Sampling Report 102114
AES Field Sampling Report 102314
Hall Laboratory Analytical Report 1409A75
Hall Laboratory Analytical Report 1409880
Hall Laboratory Analytical Report 1410A19
Hall Laboratory Analytical Report 1410B52

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Sample ID	Date	Depth (ft)	OVM- PID (ppm)	TPH (mg/kg)
N	MOCD ACT	ION LEVEL	100	1,000
		4	1.9	24.2
SB-1	9/17/14	6	21.6	31.1
	300	8	3,261	538
	The state of	4	3,417	NA
SB-2	9/17/14	6	1,370	NA
		8	1,379	139
		4	1.2	NA
cn 2	0/47/44	6	3,325	NA
58-3	9/17/14	8	1,901	1,660
		9.75	2,390	841
		4	2,761	NA
58-4	9/17/14	6	2,618	NA
		8	252	<20.0
		4	3,084	NA
58-5	9/17/14	6	3,277	NA
		8	2,618	847
	0/17/14	6.5	14.5	<20.0
SB-6	9/17/14	10	740	578
co 7	0/17/11	6	3.9	<20.0
SB-7	9/17/14	9.5	69.0	51.8
		6	15.5	<20.0
SB-8	9/17/14	10	811	NA
	10000000	11.5	2,992	608
	0/47/44	6	1.3	NA
SB-9	9/17/14	10.25	0.6	<20.0
50.10	0/17/14	6	0.1	NA
58-10	9/17/14	9.75	0.2	<20.0
SC-2	10/7/14	4.5	3,349	2,240
SC-3	10/7/14	4.5	3,353	2,250

Field Sampling Results



● SB-9

7		Laborator	y Analytica	l Results			
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	
NMOCD ACTION LEVEL			10	50	1,000		
SB-1	9/17/14	8	<0.24	4.81	180	350	
SB-3	9/17/14	8	<0.46	37.8	370	340	
SB-6	9/17/14	10	<0.048	0.15	32	260	
SB-7	9/17/14	9.25	NA	NA	6.2	11	
SB-8	9/17/14	11.5	<0.048	0.36	28	150	
SB-9	9/17/14	10.25	NA	NA	<4.9	<9.9	
58-10	9/17/14	9.75	NA	NA	<4.8	<10	
SC-1	9/17/14	4	<0.24	49	590	1,000	

SC-1 IS A 5 POINT COMPOSITE OF SB-1 THROUGH SB-5 AT 4 FEET BELOW GROUND SURFACE. ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015D. NA - NOT ANALYZED

SAN JUAN 29-7 #216 WELLHEAD



FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS SEPTEMBER 2014

CONOCOPHILIPS

SAN JUAN 28-7 #216

SE¼ NE½, SECTION 8, TZ7N, R7W
RIO ARRIBA COUNTY, NEW MEXICO
N36.58939, W107.59195



Animas Environmental Services, LL

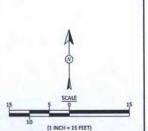
DRAWN BY:	DATE DRAWN:
S. Glasses	September 18, 2014
REVISIONS BY:	DATE REVISED:
C. Lameman	June 26, 2015
CHECKED BY:	DATE CHECKED:
E. Skyles	June 26, 2015
APPROVED BY:	DATE APPROVED:
E. McNally	June 26, 2015

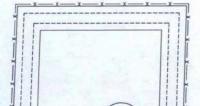
LEGEND

SOIL BORING LOCATIONS

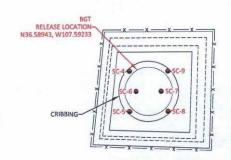
==== SECONDARY CONTAINMENT BERM

-x - FENCE





OIL



Field Sampling Results

(ft)

4 to 8

4 to 8

8

4 to 8

Date

10/21/14

10/21/14

10/23/14

10/23/14

SC-9 10/23/14 4 to 8 ALL SAMPLES WERE COMPOSITE SAMPLES.

SC-4 10/21/14

SC-5

SC-6

NMOCD ACTION LEVEL

TPH

(mg/kg)

1,000

849

627

239

983

383 3,872 1,430

PID

(ppm) 100

3,911

1,833

2,330

4,595

3,862

SEPARATOR

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg,
NMOCD ACTION LEVEL			10	50	1,0	100
SC-4	10/21/14	4 to 8	0.37	46.7	660	200
SC-5	10/21/14	4 to 8	<0.12	13.9	250	260
SC-6	10/21/14	8	0.16	8.77	240	100
SC-7	10/23/14	8	0.22	11.8	330	310
SC-8	10/23/14	4 to 8	<0.080	3.25	91	160
SC-9	10/23/14	4 to 8	<0.16	16.1	390	650



SAN JUAN 29-7 #216 WELLHEAD-

FIGURE 4

EXCAVATION CLEARANCE SAMPLE LOCATIONS AND RESULTS

OCTOBER 2014 ConocoPhillips SAN JUAN 28-7 #216 SE½ NE½, SECTION 8, T27N, R7W RIO ARRIBA COUNTY, NEW MEXICO N36.58939, W107.59195

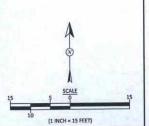


AMBINOS LIIVINOINI	ernor bervices, are
DRAWN BY:	DATE DRAWN:
S. Glasses	September 18, 2014
REVISIONS BY:	DATE REVISED:
C. Lameman	June 26, 2015
CHECKED BY:	DATE CHECKED:
E. Skyles	June 26, 2015
APPROVED BY:	DATE APPROVED:

L	E	G	E	N	ı
-	_	_	_	_	_

•	SOIL BORING LOCATIONS
====	SECONDARY CONTAINMENT BERM

-x - FENCE



	 	7] []

Client: ConocoPhillips

Project Location: San Juan 28-7 #216

Date: 9/17/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 4'	9/17/2014	11:55	1.9	24.2	12:38	20.0	1	CL
SB-1 @ 6'	9/17/2014	11:59	21.6	31.1	12:41	20.0	1	CL
SB-1 @ 8'	9/17/2014	12:03	3,261	538	12:44	20.0	1	CL
SB-2 @ 4'	9/17/2014	12:05	3,417	1770	Not A	Analyzed for TF	РН	
SB-2 @ 6'	9/17/2014	12:09	1,370	VI.	Not A	Analyzed for TF	РН	
SB-2 @ 8'	9/17/2014	12:11	1,379	139	13:30	20.0	1	CL
SB-3 @ 4'	9/17/2014	12:15	1.2		Not A	Analyzed for TF	РН	- 4.0
SB-3 @ 6'	9/17/2014	12:19	3,325	Mark Barry	Not A	Analyzed for TI	РН	100
SB-3 @ 8'	9/17/2014	12:23	1,901	1,665	13:34	20.0	1	CL
SB-3 @ 9.75'	9/17/2014	15:15	2,390	841	14:33	20.0	1	CL
SB-4 @ 4'	9/17/2014	12:36	2,761		Not A	Analyzed for TI	РН	
SB-4 @ 6'	9/17/2014	12:41	2,618	The will	Not A	Analyzed for TI	РН	Someth
SB-4 @ 8'	9/17/2014	12:45	252	14.6	13:38	20.0	1	CL

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-5 @ 4'	9/17/2014	12:58	3,084		Not A	Analyzed for Th	РН	
SB-5 @ 6'	9/17/2014	13:04	3,277		Not A	Analyzed for TI	РН	
SB-5 @ 8'	9/17/2014	13:09	2,618	847	13:42	20.0	1	CL
SB-6 @ 6.5'	9/17/2014	15:30	14.5	7.7	15:15	20.0	1	CL
SB-6 @ 10'	9/17/2014	15:35	740	578	15:32	20.0	1	CL
SB-7 @ 6'	9/17/2014	15:40	3.9	10.4	15:37	20.0	1	CL
SB-7 @ 9.5'	9/17/2014	15:45	69.0	51.8	15:43	20.0	1	CL
SB-8 @ 6'	9/17/2014	15:55	15.5	14.6	15:59	20.0	1	CL
SB-8 @ 10'	9/17/2014	16:05	811		Not A	Analyzed for TI	PH	
SB-8 @ 11.5'	9/17/2014	16:15	2,992	608	16:24	20.0	1	CL
SB-9 @ 6'	9/17/2014	16:21	1.3	15万万	Not A	Analyzed for TI	РН	
SB-9 @ 10.25'	9/17/2014	16:30	0.6	3.6	16:55	20.0	1	CL
SB-10 @ 6'	9/17/2014	17:26	0.1		Not A	Analyzed for Ti	PH	
SB-10 @ 9.75'	9/17/2014	17:46	0.2	7.7	8:52**	20.0	1	CL

NA ND Not Analyzed

Total Petroleum Hydrocarbons - USEPA 418.1

PQL

Practical Quantitation Limit

Not Detected at the Reporting Limit

Analyst:

*Field TPH concentrations recorded may be below PQL.

**Analzyed at AES office in Farmington, NM on 9/18/2014.

Client: ConocoPhillips

Project Location: San Juan 28-7 #216

Date: 10/7/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-2	10/7/2014	9:40	3,349	2,240	10:11	20.0	1	EMS
SC-3	10/7/2014	9:45	3,353	2,250	10:13	20.0	1	EMS

DF

Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

Sinh ShL

NA

Not Analyzed

PQL

Practical Quantitation Limit *Field TPH concentrations recorded may be below PQL.

Analyst:

AES Field Sampling Report



Client: ConocoPhillips

Project Location: San Juan 28-7 #216

Date: 10/21/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-4	10/21/2014	11:10	3,911	849	11:58	20.0	1	EMS
SC-5	10/21/2014	11:20	1,833	627	12:02	20.0	1	EMS
SC-6	10/21/2014	12:35	2,330	239	12:53	20.0	1	EMS

DF

Dilution Factor

NA

Not Analyzed

PQL

Practical Quantitation Limit

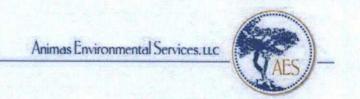
*Field TPH concentrations recorded may be below PQL.

Analyst:

Sinh ShL

Total Petroleum Hydrocarbons - USEPA 418.1

AES Field Sampling Report



Client: ConocoPhillips

Project Location: San Juan 28-7 #216

Date: 10/23/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-7	10/23/2014	13:35	4,595	983	14:08	20.0	1	EMS
SC-8	10/23/2014	12:40	3,862	383	13:08	20.0	1	EMS
SC-9	10/23/2014	13:40	3,872	1,426	14:05	20.0	1	EMS

DF NA **Dilution Factor**

Not Analyzed

PQL

Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Sinh ShL



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

September 27, 2014

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX

RE: CoP San Juan 28-7 #216

OrderNo.: 1409A75

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/20/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1409A75

Date Reported: 9/27/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-1 @ 8'

Project:

CoP San Juan 28-7 #216

Collection Date: 9/17/2014 12:03:00 PM

Lab ID:

1409A75-001

Matrix: SOIL

Received Date: 9/20/2014 2:00:00 PM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	: BCN
Diesel Range Organics (DRO)	350	10		mg/Kg	1	9/24/2014 3:08:29 PM	15419
Surr: DNOP	110	57.9-140		%REC	1	9/24/2014 3:08:29 PM	15419
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	180	48		mg/Kg	10	9/24/2014 12:21:52 PM	15453
Surr: BFB	128	80-120	S	%REC	10	9/24/2014 12:21:52 PM	15453
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.24		mg/Kg	10	9/24/2014 12:21:52 PM	15453
Toluene	ND	0.48		mg/Kg	10	9/24/2014 12:21:52 PM	15453
Ethylbenzene	0.81	0.48		mg/Kg	10	9/24/2014 12:21:52 PM	15453
Xylenes, Total	4.0	0.95		mg/Kg	10	9/24/2014 12:21:52 PM	15453
Surr: 4-Bromofluorobenzene	105	80-120		%REC	10	9/24/2014 12:21:52 PM	15453

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 1 of 9

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409A75

Date Reported: 9/27/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-3 @ 8'

Project: CoP San Juan 28-7 #216

Collection Date: 9/19/2014 12:15:00 PM

Lab ID: 1409A75-002

Matrix: SOIL

Received Date: 9/20/2014 2:00:00 PM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	340	9.9		mg/Kg	1	9/24/2014 3:53:38 PM	15419
Surr: DNOP	97.6	57.9-140		%REC	1	9/24/2014 3:53:38 PM	15419
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	370	93		mg/Kg	20	9/25/2014 6:22:10 PM	15453
Surr: BFB	121	80-120	S	%REC	20	9/25/2014 6:22:10 PM	15453
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.46		mg/Kg	20	9/25/2014 6:22:10 PM	15453
Toluene	8.0	0.93		mg/Kg	20	9/25/2014 6:22:10 PM	15453
Ethylbenzene	1.8	0.93		mg/Kg	20	9/25/2014 6:22:10 PM	15453
Xylenes, Total	28	1.9		mg/Kg	20	9/25/2014 6:22:10 PM	15453
Surr: 4-Bromofluorobenzene	99.6	80-120		%REC	20	9/25/2014 6:22:10 PM	15453

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 2 of 9

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409A75

Date Reported: 9/27/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

CoP San Juan 28-7 #216 Project:

Lab ID:

1409A75-003

Matrix: SOIL

Client Sample ID: SB-8 @ 11.5'

Collection Date: 9/17/2014 4:15:00 PM

Received Date: 9/20/2014 2:00:00 PM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	150	9.9		mg/Kg	1	9/24/2014 4:23:53 PM	15419
Surr: DNOP	101	57.9-140		%REC	1	9/24/2014 4:23:53 PM	15419
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	28	4.8		mg/Kg	1	9/25/2014 2:26:32 AM	15453
Surr: BFB	236	80-120	S	%REC	1	9/25/2014 2:26:32 AM	15453
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.048		mg/Kg	1	9/25/2014 2:26:32 AM	15453
Toluene	ND	0.048		mg/Kg	1	9/25/2014 2:26:32 AM	15453
Ethylbenzene	0.15	0.048		mg/Kg	1	9/25/2014 2:26:32 AM	15453
Xylenes, Total	0.21	0.097		mg/Kg	1	9/25/2014 2:26:32 AM	15453
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	9/25/2014 2:26:32 AM	15453

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

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

Page 3 of 9

- Sample pH greater than 2. P
- RL Reporting Detection Limit

Lab Order 1409A75

Date Reported: 9/27/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1 @ 4'

Project:

CoP San Juan 28-7 #216

Collection Date: 9/19/2014 12:11:00 PM

Lab ID:

1409A75-004

Matrix: SOIL

Received Date: 9/20/2014 2:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS			-		Analyst	BCN
Diesel Range Organics (DRO)	1000	99		mg/Kg	10	9/25/2014 12:55:21 PM	15419
Surr: DNOP	0	57.9-140	S	%REC	10	9/25/2014 12:55:21 PM	15419
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	: NSB
Gasoline Range Organics (GRO)	590	48		mg/Kg	10	9/24/2014 1:52:44 PM	15453
Surr: BFB	286	80-120	S	%REC	10	9/24/2014 1:52:44 PM	15453
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.24		mg/Kg	10	9/24/2014 1:52:44 PM	15453
Toluene	3.7	0.48		mg/Kg	10	9/24/2014 1:52:44 PM	15453
Ethylbenzene	3.3	0.48		mg/Kg	10	9/24/2014 1:52:44 PM	15453
Xylenes, Total	42	0.96		mg/Kg	10	9/24/2014 1:52:44 PM	15453
Surr: 4-Bromofluorobenzene	126	80-120	S	%REC	10	9/24/2014 1:52:44 PM	15453

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 4 of 9

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1409A75

27-Sep-14

Client:

Animas Environmental

Project:

CoP San Juan 28-7 #216

0				
Sample ID MB-15419	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range Organ	ics
Client ID: PBS	Batch ID: 15419	RunNo: 21359		
Prep Date: 9/23/2014	Analysis Date: 9/23/2014	SeqNo: 623850	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 10 10 10.00	99.6 57.9	140	
Sample ID LCS-15419	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range Organ	cs
Client ID: LCSS	Batch ID: 15419	RunNo: 21359		
Prep Date: 9/23/2014	Analysis Date: 9/23/2014	SeqNo: 623855	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
Diesel Range Organics (DRO)	40 10 50.00		130	To A Block of
Surr: DNOP	4.8 5.000	96.5 57.9	140	
Sample ID 1409854-001	AMS SampType: MS	TestCode: EPA Method	8015D: Diesel Range Organ	cs
Client ID: BatchQC	Batch ID: 15363	RunNo: 21369		
Prep Date: 9/18/2014	Analysis Date: 9/22/2014	SeqNo: 624223	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPD	Limit Qual
Surr: DNOP	4.5 4.931	THE RESIDENCE METAL SECTION OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE	140	
Sample ID 1409854-001	AMSD SampType: MSD	TestCode: EPA Method	8015D: Diesel Range Organi	cs
Client ID: BatchQC	Batch ID: 15363		or real process runings or guin	
		Runno: 21369		
Control of the Contro		RunNo: 21369 SeaNo: 624224	Units: %REC	
Prep Date: 9/18/2014	Analysis Date: 9/22/2014	SeqNo: 624224	Units: %REC	N insit Over
See Such as the see Such as the second	Analysis Date: 9/22/2014	SeqNo: 624224 SPK Ref Val %REC LowLimit		OLimit Qual
Prep Date: 9/18/2014 Analyte Surr: DNOP	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970	SeqNo: 624224 e SPK Ref Val %REC LowLimit 96.5 57.9	HighLimit %RPD RPD	0
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS	SeqNo: 624224 SPK Ref Val	HighLimit %RPD RPD	0
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/ Client ID: BatchQC	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS Batch ID: 15397	SeqNo: 624224 SPK Ref Val %REC LowLimit 96.5 57.9 TestCode: EPA Method RunNo: 21369	HighLimit %RPD RPD 140 0 8015D: Diesel Range Organi	0
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS	SeqNo: 624224 SPK Ref Val	HighLimit %RPD RPD	0
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/ Client ID: BatchQC Prep Date: 9/19/2014 Analyte	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS Batch ID: 15397 Analysis Date: 9/23/2014 Result PQL SPK value	SeqNo: 624224	HighLimit %RPD RPD 140 0 8015D: Diesel Range Organi Units: %REC HighLimit %RPD RPD	0
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/ Client ID: BatchQC Prep Date: 9/19/2014	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS Batch ID: 15397 Analysis Date: 9/23/2014	SeqNo: 624224	HighLimit %RPD RPD 140 0 8015D: Diesel Range Organi Units: %REC	0 cs
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/ Client ID: BatchQC Prep Date: 9/19/2014 Analyte	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS Batch ID: 15397 Analysis Date: 9/23/2014 Result PQL SPK value 5.0 4.965	SeqNo: 624224 SPK Ref Val %REC LowLimit 96.5 57.9 TestCode: EPA Method RunNo: 21369 SeqNo: 624251 SPK Ref Val %REC LowLimit 99.8 57.9	HighLimit %RPD RPD 140 0 8015D: Diesel Range Organi Units: %REC HighLimit %RPD RPD	0 cs DLimit Qual
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/ Client ID: BatchQC Prep Date: 9/19/2014 Analyte Surr: DNOP	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS Batch ID: 15397 Analysis Date: 9/23/2014 Result PQL SPK value 5.0 4.965	SeqNo: 624224 SPK Ref Val %REC LowLimit 96.5 57.9 TestCode: EPA Method RunNo: 21369 SeqNo: 624251 SPK Ref Val %REC LowLimit 99.8 57.9	HighLimit %RPD RPD 140 0 8015D: Diesel Range Organi Units: %REC HighLimit %RPD RPD 140	0 cs DLimit Qual
Prep Date: 9/18/2014 Analyte Surr: DNOP Sample ID 1409946-002/ Client ID: BatchQC Prep Date: 9/19/2014 Analyte Surr: DNOP Sample ID 1409946-002/	Analysis Date: 9/22/2014 Result PQL SPK value 4.8 4.970 AMS SampType: MS Batch ID: 15397 Analysis Date: 9/23/2014 Result PQL SPK value 5.0 4.965 AMSD SampType: MSD	SeqNo: 624224 SPK Ref Val	HighLimit %RPD RPD 140 0 8015D: Diesel Range Organi Units: %REC HighLimit %RPD RPD 140	0 cs DLimit Qual

Qualifiers:

Surr: DNOP

Value exceeds Maximum Contaminant Level.

4.8

4.970

- E Value above quantitation range
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank

57.9

140

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

Reporting Detection Limit

Sample pH greater than 2.

Page 5 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#:

1409A75

27-Sep-14

Client:

Animas Environmental

Project

CoP San Juan 28-7 #216

Sample ID	1409A62-001AMS	SampTyp	e: MS	3	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	BatchQC	Batch I	D: 15	419	F	RunNo: 2	1392				
Prep Date:	9/23/2014	Analysis Dat	e: 9/	24/2014		SeqNo: 6	25420	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Diesel Range (Surr: DNOP	Organics (DRO)	49 4.5	10	49.75 4.975	0	97.9 90.8	40.1 57.9	152 140			
Sample ID	1409A62-001AMSI	SampTyp	e: MS	SD	Tes	tCode: E	PA Method	8015D: Diese	el Range (Organics	1984
Client ID:	BatchQC	Batch II	D: 15	419	F	RunNo: 2	1392				
Prep Date:	9/23/2014	Analysis Dat	e: 9/	24/2014		SeqNo: 6	25421	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
-	Organics (DRO)	46	10	50.25	0	92.2	40.1	152	4.96	32.1	WA
Surr: DNOP	A Transfer	4.6		5.025		91.8	57.9	140	0	0	1160
Sample ID	1409A81-001AMS	SampTyp	e: MS	3	Tes	tCode: E	PA Method	8015D: Diese	el Range (Organics	1.5
Client ID:	BatchQC	Batch II	D: 15	459	F	RunNo: 2	1392				
Prep Date:	9/23/2014	Analysis Dat	e: 9/	24/2014	5	SeqNo: 6	26700	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Surr: DNOP		4.6	17	4.980		91.4	57.9	140			
Sample ID	1409A81-001AMSI	SampTyp	e: MS	SD	Tes	tCode: E	PA Method	8015D: Diese	el Range (Organics	Tie.
Client ID:	BatchQC	Batch II				RunNo: 2					
	9/23/2014	Analysis Dat	e: 9/	24/2014		SegNo: 6	26701	Units: %RE	С		
Analyte		Result	PQL	SDK value	SPK Ref Val	%PEC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Surr: DNOP		3.6	- QL	5.015	OF ICITIES VAL	72.3	57.9	140	0	0	Qua
Sample ID	MB-15459	SampTyp	e: MF	BLK	Tes	tCode: F	PA Method	8015D: Diese	el Ranne (Organics	
	PBS	Batch II				RunNo: 2		23.02.12.000	T.L.I.go (. 3	
	9/23/2014	Analysis Dat				SegNo: 6		Units: %RE	С		
					SPK Ref Val				%RPD	RPDLimit	0
Analyte Surr: DNOP		Result 9.7	PQL	10.00	ork Kei Val	97.3	LowLimit 57.9	HighLimit 140	MED	RPULIIIII	Qua
7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			2.8								
	LCS-15459	SampTyp						8015D: Diese	el Range (Organics	
Client ID:		Batch II	10.2			RunNo: 2					
	0/22/2014	Analysis Dat	01	24/2044		SeqNo: 6	26709	Units: %RE	C		
Prep Date:	5/23/2014	Allalysis Dat	e. 91	24/2014		ocqiio. o	20100	O	•		

Qualifiers:

Surr: DNOP

Value exceeds Maximum Contaminant Level.

5.5

5.000

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDIimit

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank В

57.9

140

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

111

Page 6 of 9

Sample pH greater than 2.

Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1409A75

27-Sep-14

Client:

Animas Environmental

Project:

CoP San Juan 28-7 #216

Sample ID MB-15453	SampType	: MBLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	je	
Client ID: PBS	Batch ID:	15453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis Date:	9/24/2014		SeqNo: 6	26061	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0					TEMP	of beginning	11.19
Surr: BFB	800	1000		80.5	80	120	114 (114		18/4
Sample ID LCS-15453	SampType	: LCS	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	je	
Client ID: LCSS	Batch ID:	15453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis Date:	9/24/2014		SeqNo: 6	26062	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0 25.00	0	89.4	65.8	139	12.54		
Surr: BFB	930	1000		93.2	80	120	120,	1 1 2 1	P .
Sample ID 1409A62-001AMS	SampType	: MS	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	je	-
Client ID: BatchQC	Batch ID:	15453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis Date:	9/24/2014	8	SeqNo: 6	26068	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.7 23.41	0	85.9	71.8	132			
Surr: BFB	790	936.3	PACE TO	84.8	80	120	1470	- AFEK	4 13
Sample ID 1409A62-001AMS	D SampType	: MSD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: BatchQC	Batch ID:	15453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis Date:	9/24/2014	5	SeqNo: 6	26069	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sasoline Range Organics (GRO)	22	4.7 23.43	0	93.7	71.8	132	8.78	20	111
Surr: BFB	890	937.2	10 The	94.9	80	120	0	0	istell.
Sample ID MB-15490 MK	SampType	MBLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: PBS	Batch ID:	R21449	F	RunNo: 2	1449				
Prep Date:	Analysis Date:	9/25/2014	5	SeqNo: 6	27596	Units: %RE	С		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr. BFB	880	1000	CORPT TO	87.7	80	120	de Life	AT REAL P	1.89
Sample ID LCS-15490 MK	SampType	: LCS	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
	Batch ID:	R21449	F	RunNo: 2	1449				
Client ID: LCSS	Datch ID.								
Client ID: LCSS Prep Date:	Analysis Date:	9/25/2014	8	SeqNo: 6	27597	Units: %RE	C		

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit

Page 7 of 9

- Sample pH greater than 2.
- Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

0.92

2.9

1.0

0.050

0.10

WO#:

1409A75

27-Sep-14

Client:

Animas Environmental

Project:

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

CoP San Juan 28-7 #216

Sample ID MB-15453	Samp	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 15	453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis [Date: 9/	24/2014		SeqNo: 6	26133	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050	m W				THE RESERVE	17 17 17 17 17 17 17 17 17 17 17 17 17 1	1405	T. T.
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
(ylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	80	120	At an	A 14 11 11 11 11 11 11 11 11 11 11 11 11	100
Sample ID LCS-15453	Samp	ype: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		7774
Client ID: LCSS	Batc	h ID: 15	453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis [Date: 9/	24/2014		SeqNo: 6	26134	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.050	1.000	0	92.7	80	120	THE PERSON		
Toluene	0.91	0.050	1.000	0	91.2	80	120			

Sample ID 1409A62-002AM	S Samp	SampType: MS TestCode: EPA Me					hod 8021B: Volatiles						
Client ID: BatchQC	Batc	h ID: 15	453	F	RunNo: 2	1428							
Prep Date: 9/23/2014	Analysis [Date: 9/	24/2014		SeqNo: 6	26142	Units: mg/k	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.78	0.047	0.9479	0	82.7	77.4	142	Manage A.					
Toluene	0.77	0.047	0.9479	0.02282	79.2	77	132						
Ethylbenzene	0.79	0.047	0.9479	0	83.2	77.6	134						
Xylenes, Total	2.6	0.095	2.844	0.03835	89.9	77.4	132						
Surr: 4-Bromofluorobenzene	0.91		0.9479		96.2	80	120						

0

0

92.0

96.8

103

1.000

3.000

1.000

80

80

80

120

120

120

Sample ID 1409A62-002AM	SD Sampl	ype: MS	SD	les	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: BatchQC	Batch	n ID: 15	453	F	RunNo: 2	1428				
Prep Date: 9/23/2014	Analysis D)ate: 9/	24/2014		SeqNo: 6	26143	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.047	0.9479	0	88.8	77.4	142	7.10	20	
Toluene	0.83	0.047	0.9479	0.02282	85.6	77	132	7.51	20	
Ethylbenzene	0.85	0.047	0.9479	0	89.8	77.6	134	7.67	20	
Xylenes, Total	2.8	0.095	2.844	0.03835	95.9	77.4	132	6.32	20	
Surr: 4-Bromofluorobenzene	0.95		0.9479		100	80	120	0	0	

Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits

RSD is greater than RSDlimit 0

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank B

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Reporting Detection Limit

Sample pH greater than 2.

Page 8 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#:

1409A75

27-Sep-14

Client:

Animas Environmental

Project:

CoP San Juan 28-7 #216

Sample ID MB-15490 MK

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID:

PBS

Batch ID: R21449

PQL

RunNo: 21449

Analysis Date: 9/25/2014

Units: %REC

Prep Date:

SeqNo: 627632

120

Analyte

Result

SPK value SPK Ref Val

%REC LowLimit HighLimit

Qual

Surr: 4-Bromofluorobenzene

0.91

1.000

91.4

80

RPDLimit

Sample ID LCS-15490 MK

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

RunNo: 21449

Prep Date:

Batch ID: R21449

SegNo: 627633

Units: %REC

Analyte

Analysis Date: 9/25/2014

SPK value SPK Ref Val %REC

HighLimit

Surr: 4-Bromofluorobenzene

100

RPDLimit

%RPD

Result

120

%RPD

1.0

1.000

80

Qual

Qualifiers:

E

Value exceeds Maximum Contaminant Level.

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit RPD outside accepted recovery limits R

Value above quantitation range

S Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank В

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit

Sample pH greater than 2.

Page 9 of 9

Website: www.hallenvironmental.com

Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Sample Log-In Check List

Client Name: Animas Environmental Work Order Number	r: 1409A75		RoptNo: 1	
teceived by/date: 09 20 14				M.
ogged By: Ashley Gallegos 9/20/2014 2:00:00 Pl	И	A		
completed By: Ashley Gallegos 9/22/2014 5:03:00 PI	A	A		
teviewed By: 05/23/1	4	01		
hain of Custody		The state of		
1. Custody seals intact on sample bottles?	Yes 🔲	No 🗆	Not Present	
2. Is Chain of Custody complete?	Yes 🗹	No 🗆	Not Present	
3. How was the sample delivered?	Courier			
og In				
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?	Yes 🗆	No 🗹	NA 🗆	
0.VOA vials have zero headspace?	Yes	No 🗆	No VOA Vials	
1. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved bottles checked	
2. Does paperwork match bottle labels?	Yes 🗹	No 🗆	for pH:	
(Note discrepancies on chain of custody)		No 🗆	(<2 or >12 unle Adjusted?	ess note
3. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆		
4. Is it clear what analyses were requested? 5. Were all holding times able to be met?	Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)				
pecial Handling (if applicable)				
6. Was client notified of all discrepancies with this order?	Yes 🗆	No 🗆	NA 🗹	
Person Notified: Date:	MATERIAL STATES			
By Whom: Via:	eMail	Phone Fax	☐ In Person	
Regarding:				
Client Instructions:				
17. Additional remarks:				
8. Cooler Information				
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		

Client:	Anim Servi Address Hington	is En Les Loot E n NM	Stody Record Livon mental From St 27461 64 -2281	Project	Around candard candard Name Savet #:	Rush	8-7 ± 216		Te	01 H	awki	www ns N	AL v.hal VE -	YS Ilenvi Albi F analy	ironnuque iax l	nent erque	AE al.co e, NI 345-	om vi 87 4107	RA 7	TOR	
QA/QC I	Package: dard		□ Level 4 (Full Validation)	Samp				Es (8021)	TPH (Gas only)	DRO A		_	O SIMS)		O2,PO4,SO	8082 PCB's					
O NEL	AP	□ Other		Omte		W Yes	E Noze / Para		+	RO/	118.1	504.1	r 827	60	O3,N	-		(A)			NorN
Date	(Type)	Matrix	Sample Request ID	Con	tainer and#	Preservative Type	HEAL NO	BTEX +4	BTEX + MTBE	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (SemI-VOA)			Air Ruhhles (Y
9-17-14	1203	Soil	SB-1 C 8'	1-40	zjar	Cool	-001	×		X											
9-12-14	1215		58-3 € 8'			1	-002	X		×											
9-17-14			58-8 @ 11.5	100			-003	X		×											
9-19-14	1211	1	SC-1 @ 41		_	上	-004	×		×											
																					\pm
9/19/14 Date! 0/19/14	Time: 1545 Time: 1756 necessary	Relinquishe Relinquishe Relinquishe samples subm	-6-	Receive	d by:	Waste Og at coredited laboratoria	Date Time 9/19/14/154/8 Date Time 1400 1400 1514 This serves as notice of this	Rer An Sur us	narks	23 50V	Bill: Gr	to arm	Cor 1 No	10C0 2(36V	Phi	llip	or or led on	der	ies s	Say Dive	Las



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

October 23, 2014

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281

FAX

RE: CoP SJ 28-7 #216

OrderNo.: 1410A19

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/22/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1410A19

Date Reported: 10/23/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-4

Project: CoP SJ 28-7 #216

Collection Date: 10/21/2014 11:10:00 AM

Lab ID: 1410A19-001

Matrix: MEOH (SOIL) Received Date: 10/22/2014 8:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS			FTR	4.0	Anal	yst: BCN
Diesel Range Organics (DRO)	200	9.9		mg/Kg	1	10/22/2014 11:37:52	2 AM 16022
Surr: DNOP	103	63.5-128		%REC	1	10/22/2014 11:37:52	2 AM 16022
EPA METHOD 8015D: GASOLINE RA	NGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	660	28		mg/Kg	10	10/22/2014 10:45:50	AM R2206
Surr: BFB	398	80-120	S	%REC	10	10/22/2014 10:45:50	AM R22067
EPA METHOD 8021B: VOLATILES						Anal	yst: NSB
Benzene	0.37	0.28		mg/Kg	10	10/22/2014 10:45:50	AM R2206
Toluene	0.81	0.28		mg/Kg	10	10/22/2014 10:45:50	AM R2206
Ethylbenzene	3.5	0.28		mg/Kg	10	10/22/2014 10:45:50	AM R2206
Xylenes, Total	42	0.55		mg/Kg	10	10/22/2014 10:45:50	AM R2206
Surr: 4-Bromofluorobenzene	125	80-120	S	%REC	10	10/22/2014 10:45:50	AM R2206

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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 Page 1 of 6
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1410A19

Date Reported: 10/23/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-5

Project: CoP SJ 28-7 #216

Collection Date: 10/21/2014 11:20:00 AM

Lab ID: 1410A19-002 Matrix: MEOH (SOIL) Received Date: 10/22/2014 8:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS			C LEEL	-uni	Anal	yst: BCN
Diesel Range Organics (DRO)	260	10		mg/Kg	1	10/22/2014 12:08:01	PM 16022
Surr: DNOP	102	63.5-128		%REC	1	10/22/2014 12:08:01	PM 16022
EPA METHOD 8015D: GASOLINE RA	ANGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	250	24		mg/Kg	10	10/22/2014 11:14:29	AM R22067
Surr: BFB	259	80-120	S	%REC	10	10/22/2014 11:14:29	AM R22067
EPA METHOD 8021B: VOLATILES						Anal	yst: NSB
Benzene	ND	0.12		mg/Kg	10	10/22/2014 11:14:29	AM R22067
Toluene	ND	0.24		mg/Kg	10	10/22/2014 11:14:29	AM R22067
Ethylbenzene	0.93	0.24		mg/Kg	10	10/22/2014 11:14:29	AM R22067
Xylenes, Total	13	0.48		mg/Kg	10	10/22/2014 11:14:29	AM R22067
Surr: 4-Bromofluorobenzene	111	80-120		%REC	10	10/22/2014 11:14:29	AM R22067

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 2 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1410A19

Date Reported: 10/23/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: 1410A19-003

Lab ID:

CoP SJ 28-7 #216

Client Sample ID: SC-6

Collection Date: 10/21/2014 12:35:00 PM

Matrix: MEOH (SOIL) Received Date: 10/22/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS					Anal	yst: BCN
Diesel Range Organics (DRO)	100	10		mg/Kg	1	10/22/2014 12:38:20	PM 16022
Surr: DNOP	99.6	63.5-128		%REC	1	10/22/2014 12:38:20	PM 16022
EPA METHOD 8015D: GASOLINE RA	NGE					Anal	yst: NSB
Gasoline Range Organics (GRO)	240	3.4		mg/Kg	1	10/22/2014 11:42:59	AM R2206
Surr: BFB	1230	80-120	S	%REC	1	10/22/2014 11:42:59	AM R2206
EPA METHOD 8021B: VOLATILES						Anal	yst: NSB
Benzene	0.16	0.034		mg/Kg	1	10/22/2014 11:42:59	AM R2206
Toluene	0.74	0.034		mg/Kg	1	10/22/2014 11:42:59	AM R2206
Ethylbenzene	0.77	0.034		mg/Kg	1	10/22/2014 11:42:59	AM R2206
Xylenes, Total	7.1	0.068		mg/Kg	1	10/22/2014 11:42:59	AM R2206
Surr: 4-Bromofluorobenzene	166	80-120	S	%REC	1	10/22/2014 11:42:59	AM R2206

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND
 - Not Detected at the Reporting Limit

Page 3 of 6

- P Sample pH greater than 2.
- Reporting Detection Limit RL

Hall Environmental Analysis Laboratory, Inc.

4.8

WO#:

1410A19

23-Oct-14

Client:

Animas Environmental

Project:

Surr: DNOP

CoP SJ 28-7 #216

The second secon										BURN
Sample ID MB-16022	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch	ID: 16	022	F	RunNo: 2	2059				
Prep Date: 10/22/2014	Analysis D	ate: 1	0/22/2014	8	SeqNo: 6	48870	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10	1					3400		
Surr: DNOP	9.3		10.00		92.9	63.5	128			
Sample ID LCS-16022	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	1
Client ID: LCSS	Batch	ID: 16	022	F	RunNo: 2	2059				
Prep Date: 10/22/2014	Analysis D	ate: 1	0/22/2014		SeqNo: 6	48872	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	68.6	130			THE STATE OF

5.000

96.8

63.5

128

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND

Page 4 of 6

- Sample pH greater than 2.
- Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

1100

1000

WO#:

1410A19

23-Oct-14

Client:

Animas Environmental

Project:

CoP SJ 28-7 #216

Sample ID MB-16008 MK SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: R22067 RunNo: 22067 Prep Date: Analysis Date: 10/22/2014 SeqNo: 649563 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 910 1000 90.7 80 120 Sample ID LCS-16008 MK SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: R22067 RunNo: 22067 Prep Date: Analysis Date: 10/22/2014 SeqNo: 649564 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 30 5.0 25.00 0 121 65.8 139 Surr: BFB 1100 1000 115 80 120 Sample ID MB-16008 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: Batch ID: 16008 RunNo: 22067 Prep Date: SeqNo: 649565 Units: %REC 10/21/2014 Analysis Date: 10/22/2014 %RPD **RPDLimit** Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit Qual Surr: BFB 910 1000 90.7 120 Sample ID LCS-16008 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 16008 RunNo: 22067 Prep Date: 10/21/2014 Analysis Date: 10/22/2014 SeqNo: 649566 Units: %REC Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Qualifiers:

Surr: BFB

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND

115

- - Sample pH greater than 2.

Reporting Detection Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1410A19

23-Oct-14

Client:

Animas Environmental

Project:

CoP SJ 28-7 #216

Sample ID MB-16008 MK	SampTyp	e: MBLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch I	D: R22067	F	RunNo: 2	2067				
Prep Date:	Analysis Dat	te: 10/22/2014		SeqNo: 6	49639	Units: mg/h	(g		
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050				Tan Yar	jil.		
Toluene	ND	0.050							
Ethylbenzene	ND	0.050							
Xylenes, Total	ND	0.10							
Surr: 4-Bromofluorobenzene	0.94	1.000	BU	94.5	80	120	14		400
Sample ID LCS-16008 MH	SampTyp	oe: LCS	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch II	D: R22067	F	RunNo: 2	2067				
Prep Date:	Analysis Dat	te: 10/22/2014		SeqNo: 64	49640	Units: mg/k	(g		
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.050 1.000	0	99.1	80	120		TORRE	
Toluene	1.0	0.050 1.000	0	99.9	80	120			
Ethylbenzene	1.0	0.050 1.000	0	102	80	120			
Kylenes, Total	3.0	0.10 3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0	1.000		102	80	120	2 bear	4 - 1	ef ix
Sample ID MB-16008	SampTyp	e: MBLK	Tes	tCode: EF	PA Method	8021B: Vola	tiles		-4
Client ID: PBS	Batch II	D: 16008	F	RunNo: 2	2067				
Prep Date: 10/21/2014	Analysis Dat	te: 10/22/2014	8	SeqNo: 64	49641	Units: %RE	С		
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94	1.000	11 74	94.5	80	120			
Sample ID LCS-16008	SampTyp	e: LCS	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch II	D: 16008	F	RunNo: 2	2067				
Prep Date: 10/21/2014	Analysis Dat	e: 10/22/2014	8	SeqNo: 64	49642	Units: %RE	С		
Analyte	Result	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0	1.000		102	80	120	77.		

Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

RSD is greater than RSDlimit 0

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Sample pH greater than 2.

Reporting Detection Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Albuquerque, NM 87109 Sample Log-In Check List

AM		
AM .		
AW	A	
	1	
	240	
Yes 🗆	No 🗆	Not Present
Yes 🐼	No 🗆	Not Present
Courier		
. Yes 🗃	No 🗆	NA 🗆
Yes 🐼	No 🗆	NA 🗆
Yes 🐼	No 🗆	
100 111		
Yes 📙	No 🚾	NA 🗆
Yes 🗆	No 🗆	No VOA Viais 🗹
Yes 🗆	No 🗃	# of preserved
🕞		bottles checked
Yes 🗷	No LJ	for pH: (<2 or >12 unless note
Yes 🗹	No 🗆	Adjusted?
Yes 🐼	No 🗆	基本。在1000年1000年100
Yes 🗹	No 🗆	Checked by:
w 🗖	т. П	NA 🐼
	No L	NA III
Control of the second		
☐ eMail ☐	Phone Fax	∐ In Person
1 - :- 1		
Seal Date	Signed By	THE RESERVE
	Yes Courier Yes	Yes

Client:	Address	Environum 604 Pi	10448 MN	Turn-Around Standard Project Name Coff Standard Project #:	Rush	Same-Day 7 # 216				AN	w.hal	llenv Alb	ironr uque	ment erque	AE al.co e, NI 345-	om M 87 4107	RA 7	TOF	
oAvoc Stan	r Fax#: Package: dard itation		□ Level 4 (Full Validation)	Project Mana	skyles		ELEBS (8021)	TPH (Gas only)	四月	9	SIMS)		_						9
Date	(Type) Time	□ Other	Sample Request ID	Container Type and #	Preservative Type	E NO.	BTEX + MIDE+	BTEX + MTBE + T	TPH 8015B(GBQ)	EDB (Method 504.1)	s (8310 or	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
121/14	11:10	Soil Soil Soil	5c-4 Sc-5 Sc-6	1-402. 1-402. 1-403. 1-Me14	Cool Meat Cool Meat	-001 -002 -003	XXX		XXX										
Date: Date: Date:	Time: 4 6 Time: 870	Relinquishe Was	184	Received by: Received by:	Whate ID constitute laboratorie	Date Time 10 21/14 16/14 Date Time 22 14 0800 This serves as notice of the serves as notice of t	d Sh	upen	115 DY	Gar	m N	lels	n	(4)					hma



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

October 27, 2014

Emilee Skyles
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281

FAX

RE: COP SJ 28-7 # 216

OrderNo.: 1410B52

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/24/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1410B52

Date Reported: 10/27/2014

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SC-7

CLIENT: Animas Environmental

Project: COP SJ 28-7 # 216

Collection Date: 10/23/2014 1:35:00 PM

Lab ID: 1410B52-001

Matrix: MEOH (SOIL) Receive

Received Date: 10/24/2014 7:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS			5-24	KER	Analys	t: BCN
Diesel Range Organics (DRO)	310	9.8		mg/Kg	1	10/24/2014 9:49:30 AM	M 16081
Surr: DNOP	86.8	63.5-128		%REC	1	10/24/2014 9:49:30 AM	M 16081
EPA METHOD 8015D: GASOLINE RA	ANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	330	6.9		mg/Kg	2	10/24/2014 12:32:16 F	M R22129
Surr: BFB	797	80-120	S	%REC	2	10/24/2014 12:32:16 F	PM R22129
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	0.22	0.069		mg/Kg	2	10/24/2014 12:32:16 F	M R22129
Toluene	1.9	0.069		mg/Kg	2	10/24/2014 12:32:16 F	M R22129
Ethylbenzene	0.78	0.069		mg/Kg	2	10/24/2014 12:32:16 F	PM R22129
Xylenes, Total	8.9	0.14		mg/Kg	2	10/24/2014 12:32:16 F	PM R22129
Surr: 4-Bromofluorobenzene	147	80-120	S	%REC	2	10/24/2014 12:32:16 F	PM R22129

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 1 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1410B52

Date Reported: 10/27/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Client Sample ID: SC-8

Project: COP SJ 28-7 # 216 Collection Date: 10/23/2014 12:40:00 PM

Lab ID: 1410B52-002 Matrix: MEOH (SOIL) Received Date: 10/24/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS			100	1 1	Analyst	BCN
Diesel Range Organics (DRO)	160	10		mg/Kg	1	10/24/2014 10:10:57 AM	A 16081
Surr: DNOP	93.6	63.5-128		%REC	1	10/24/2014 10:10:57 AM	A 16081
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	91	16		mg/Kg	5	10/24/2014 1:00:54 PM	R22129
Surr: BFB	186	80-120	S	%REC	5	10/24/2014 1:00:54 PM	R22129
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.080		mg/Kg	5	10/24/2014 1:00:54 PM	R22129
Toluene	ND	0.16		mg/Kg	5	10/24/2014 1:00:54 PM	R22129
Ethylbenzene	0.25	0.16		mg/Kg	5	10/24/2014 1:00:54 PM	R22129
Xylenes, Total	3.0	0.32		mg/Kg	5	10/24/2014 1:00:54 PM	R22129
Surr: 4-Bromofluorobenzene	109	80-120		%REC	5	10/24/2014 1:00:54 PM	R22129

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 2 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Analytical Report Lab Order 1410B52

Date Reported: 10/27/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-9

Project: COP SJ 28-7 # 216

Collection Date: 10/23/2014 1:40:00 PM

Lab ID: 1410B52-003 Matrix: MEOH (SOIL) Rec

Received Date: 10/24/2014 7:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS			1	nide.	Analys	t: BCN
Diesel Range Organics (DRO)	650	9.9		mg/Kg	1	10/24/2014 10:32:20 A	M 16081
Surr: DNOP	88.7	63.5-128		%REC	1	10/24/2014 10:32:20 A	M 16081
EPA METHOD 8015D: GASOLINE RA	ANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	390	31		mg/Kg	10	10/24/2014 1:29:32 PM	A R22129
Surr: BFB	320	80-120	S	%REC	10	10/24/2014 1:29:32 PM	R22129
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.16		mg/Kg	10	10/24/2014 1:29:32 PM	R22129
Toluene	ND	0.31		mg/Kg	10	10/24/2014 1:29:32 PM	R22129
Ethylbenzene	1.1	0.31		mg/Kg	10	10/24/2014 1:29:32 PM	R22129
Xylenes, Total	15	0.62		mg/Kg	10	10/24/2014 1:29:32 PM	R22129
Surr: 4-Bromofluorobenzene	117	80-120		%REC	10	10/24/2014 1:29:32 PM	R22129

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 3 of 6

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B52

27-Oct-14

Client: Animas Environmental COP SJ 28-7 # 216 Project:

Sample ID MB-16081 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics Client ID: PBS Batch ID: 16081 RunNo: 22124 Prep Date: 10/24/2014 Analysis Date: 10/24/2014 SeqNo: 651178 Units: mg/Kg SPK value SPK Ref Val %RPD **RPDLimit** %REC LowLimit HighLimit Qual Analyte Result PQL ND 10 Diesel Range Organics (DRO) Surr: DNOP 7.8 10.00 77.7 63.5 128

TestCode: EPA Method 8015D: Diesel Range Organics Sample ID LCS-16081 SampType: LCS Client ID: LCSS Batch ID: 16081 RunNo: 22124 Prep Date: 10/24/2014 Analysis Date: 10/24/2014 SegNo: 651179 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 10 Diesel Range Organics (DRO) 50 50.00 0 99.9 68.6 130 Surr: DNOP 3.6 5.000 71.3 63.5 128

Sample ID 1410B52-003AMS TestCode: EPA Method 8015D: Diesel Range Organics SampType: MS Client ID: SC-9 Batch ID: 16081 RunNo: 22124 Prep Date: SeqNo: 651345 10/24/2014 Analysis Date: 10/24/2014 Units: mg/Kg SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL SPK value LowLimit Qual Analyte Result Diesel Range Organics (DRO) 800 10 49.80 646.2 310 40.1 152 S Surr: DNOP 4.8 4.980 95 9 63.5 128

Sample ID 1410B52-003AMSD TestCode: EPA Method 8015D: Diesel Range Organics SampType: MSD Client ID: SC-9 Batch ID: 16081 RunNo: 22124 Prep Date: 10/24/2014 Analysis Date: 10/24/2014 SeqNo: 651346 Units: mg/Kg **RPDLimit** SPK Ref Val %REC HighLimit %RPD Qual Analyte Result PQL SPK value LowLimit 3.28 32.1 Diesel Range Organics (DRO) 830 10 49.80 646.2 363 40.1 152 S Surr: DNOP 4.7 4.980 94.5 63.5 128 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- - Sample pH greater than 2.

Page 4 of 6

Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B52

27-Oct-14

Client: Animas Environmental Project: COP SJ 28-7 # 216

Sample ID MB-16037 MK TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK Client ID: PBS Batch ID: R22129 RunNo: 22129 Prep Date: Analysis Date: 10/24/2014 SeqNo: 651505 Units: mg/Kg SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 900 1000 89.9 80 120

Sample ID LCS-16037 MK SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: R22129 RunNo: 22129 Prep Date: Analysis Date: 10/24/2014 SegNo: 651506 Units: mg/Kg Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 27 65.8 5.0 25.00 0 109 139 Gasoline Range Organics (GRO) 1000 120 Surr: BFB 1000 102 80

TestCode: EPA Method 8015D: Gasoline Range Sample ID MB-16059 SampType: MBLK Client ID: Batch ID: 16059 RunNo: 22129 Prep Date: Analysis Date: 10/24/2014 SeqNo: 651513 Units: %REC 10/23/2014 %RPD **RPDLimit** SPK value SPK Ref Val %REC HighLimit Qual Analyte Result POL LowLimit Surr: BFB 920 1000 92.3 120

TestCode: EPA Method 8015D: Gasoline Range Sample ID LCS-16059 SampType: LCS Batch ID: 16059 RunNo: 22129 Client ID: LCSS Prep Date: 10/23/2014 Analysis Date: 10/24/2014 SeqNo: 651514 Units: %REC %REC **RPDLimit** Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit %RPD Qual

1000 1000 101 80 120 Surr: BFB

Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits J

0 RSD is greater than RSDlimit

RPD outside accepted recovery limits R

S Spike Recovery outside accepted recovery limits B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit ND

Sample pH greater than 2. Reporting Detection Limit Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1410B52

27-Oct-14

Client: Anir
Project: COP

Animas Environmental COP SJ 28-7 # 216

Comp	Type: LC	·c	Too	Codo: El	DA Mathad	9024B: Volo	tilon	Tay Carlling	
0.93	200	1.000		93.1	80	120			7
ND	0.10								
ND	0.050								
ND	0.050								
ND	0.050						A THE		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analysis E	Date: 10	0/24/2014	8	SeqNo: 6	51540	Units: mg/k	(g		
Batc	h ID: R2	2129	F	RunNo: 2	2129				
Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
	Result ND ND ND ND ND ND ND ND ND 0.93	Batch ID: R2 Analysis Date: 10 Result PQL ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93	Result PQL SPK value	Batch ID: R22129 F Analysis Date: 10/24/2014 S Result PQL SPK value SPK Ref Val ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93 1.000	Batch ID: R22129 RunNo: 2 Analysis Date: 10/24/2014 SeqNo: 6 Result PQL SPK value SPK Ref Val %REC ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93 1.000 93.1	Batch ID: R22129 RunNo: 22129 Analysis Date: 10/24/2014 SeqNo: 651540 Result PQL SPK value SPK Ref Val %REC LowLimit ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93 1.000 93.1 80	Batch ID: R22129 Analysis Date: 10/24/2014 SeqNo: 651540 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93 1.000 93.1 80 120	Batch ID: R22129 Analysis Date: 10/24/2014 SeqNo: 651540 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93 1.000 93.1 80 120	Batch ID: R22129 Analysis Date: 10/24/2014 SeqNo: 651540 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.050 ND 0.10 0.93 1.000 93.1 80 120

Client ID: LCSS	Batc	h ID: R2	2129	F	RunNo: 2	2129				
Prep Date:	Analysis [Date: 10	0/24/2014		SeqNo: 6	51541	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	91.9	80	120	DE TOREUM	744 144	
Toluene	0.92	0.050	1.000	0	92.2	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

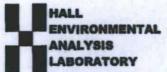
Surr: 4-Bromo	ofluorobenzene	0.92	History	1.000	J. Very T.	92.1	80	120			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date:	10/23/2014	Analysis Da	ite: 1	0/24/2014	S	SeqNo: 6	551544	Units: %RE	С		
Client ID: I	PBS	Batch	ID: 16	6059	F	RunNo: 2	22129				
Sample ID I	MB-16059	SampTy	pe: M	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		

Sample ID LCS-16059	SampType: LCS	TestCode: EPA Method	8021B: Volatiles	
Client ID: LCSS	Batch ID: 16059	RunNo: 22129		
Prep Date: 10/23/2014	Analysis Date: 10/24/2014	SeqNo: 651545	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: 4-Bromofluorobenzene	1.0 1.000	101 80	120	Market Street

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Work Order Number: 1410B52 RoptNo: 1 **Animas Environmental** Client Name: Received by/date: 10/24/2014 7:30:00 AM Logged By: Completed By: **Lindsay Mangin** 10/24/2014 8:07:30 AM 10/24/14 Reviewed By: Chain of Custody Yes 🗌 No 🗆 Not Present 1. Custody seals intact on sample bottles? No [Not Present Yes 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA 🗆 Yes No 🗆 4. Was an attempt made to cool the samples? NA [] No 🗆 Yes 5. Were all samples received at a temperature of >0° C to 6.0°C No [Yes Sample(s) in proper container(s)? No [7. Sufficient sample volume for indicated test(s)? No [8. Are samples (except VOA and ONG) properly preserved? No M NA [] Yes [] 9. Was preservative added to bottles? No VOA Vials No 🔲 Yes [] 10.VOA vials have zero headspace? No M 11. Were any sample containers received broken? # of preserved bottles checked for pH: No 🗆 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No D 13. Are matrices correctly identified on Chain of Custody? No 🗆 14. Is it clear what analyses were requested? Checked by: No 🗆 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (If applicable) NA M 16. Was client notified of all discrepancies with this order? Yes [No 🔲 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: **Client Instructions:** 17. Additional remarks: 18. Cooler Information Cooler No Temp C Condition Seal Intact Seal No Seal Date Signed By Yes

Client:	Mimas Address Tarmina	Environm 604 P	1 87401	Standard Project Name Cop S Project #:		Same day #216			01 Ha	www.	w.ha	llenv Alb	rironi ouque Fax	ment erque	AE al.co e, NI 345-	M 871 4107	TAS	TAL	
email o	r Fax#: Package: dard tation		□ Level 4 (Full Validation)	Project Mana E. Sk Sampler: E			THIE'S (8021)	TPH (Gas only)	O REOLE	0.1)	8270 SIMS)		CI,NO3,NO2,PO4,SO4)	/ 8082 PCB's		8			or N)
□ EDD Date	(Type)	Matrix	Sample Request ID	Container Type and #	Preservative Type	A HEADNO	BTEX + MESS	BTEX + MTBE 4	TPH 8015B (GRO) GRO)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Yo
0 3 4	13:35	Soil	SC-7 SC-8	Meditict Meditict	Cool Medy	-001	X		X							+	+	H	+
10 23 14		Soil	sc-9	MEDIL FOR	C-1204	-003	X		*										Ŧ
																			+
																			+
Date: 923 H Date: 13 H	Time: 1754 Time: (830)	Relinquishe Relinquishe samples subm	184	Received by: Received by: Received to other a	whete	Date Time 10/23/N 1754 Date Time 24/ 40730 s. This serves as notice of the	Rer W0 Ae Su	marks # Perv	203 : 23 : 23	78 Ga	2 8	Note will be	m	V notes	lips see	the ana	Villa	J Dam	as



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

OrderNo.: 1409880

September 26, 2014

Emilee Skyles
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281

FAX

RE: CoP San Juan 28-7 #216

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/18/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1409880

Date Reported: 9/26/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP San Juan 28-7 #216

Lab ID: 1409880-001 Client Sample ID: SB-6@10'

Collection Date: 9/17/2014 3:35:00 PM

Received Date: 9/18/2014 7:30:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS		ā	dar s		Analyst	BCN
Diesel Range Organics (DRO)	260	9.9		mg/Kg	1	9/22/2014 7:21:06 PM	15369
Surr: DNOP	123	57.9-140		%REC	1	9/22/2014 7:21:06 PM	15369
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	32	4.8		mg/Kg	1	9/23/2014 1:15:22 AM	15378
Surr: BFB	432	80-120	S	%REC	1	9/23/2014 1:15:22 AM	15378
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.048		mg/Kg	1	9/23/2014 1:15:22 AM	15378
Toluene	ND	0.048		mg/Kg	1	9/23/2014 1:15:22 AM	15378
Ethylbenzene	ND	0.048		mg/Kg	1	9/23/2014 1:15:22 AM	15378
Xylenes, Total	0.15	0.096		mg/Kg	1	9/23/2014 1:15:22 AM	15378
Surr: 4-Bromofluorobenzene	120	80-120		%REC	1	9/23/2014 1:15:22 AM	15378

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit

Page 1 of 8

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409880

Date Reported: 9/26/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-7 @ 9.25'

Project: (

CoP San Juan 28-7 #216

Collection Date: 9/17/2014 3:45:00 PM

Lab ID: 1409880-002

Matrix: SOIL

Received Date: 9/18/2014 7:30:00 AM

Analyses	Result	RL C	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS		To C	Del St		Analyst	BCN	
Diesel Range Organics (DRO)	11	9.9		mg/Kg	1	9/22/2014 7:51:06 PM	15369	
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2014 7:51:06 PM	15369	
Surr: DNOP	103	57.9-140		%REC	1	9/22/2014 7:51:06 PM	15369	
EPA METHOD 8015D: GASOLINE R	ANGE					Analyst	: NSB	
Gasoline Range Organics (GRO)	6.2	4.8		mg/Kg	1	9/22/2014 7:03:19 PM	15378	
Surr: BFB	161	80-120	S	%REC	1	9/22/2014 7:03:19 PM	15378	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 2 of 8

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409880

Received Date: 9/18/2014 7:30:00 AM

Date Reported: 9/26/2014

Hall Environmental Analysis Laboratory, Inc.

1409880-003

Lab ID:

CLIENT: Animas Environmental Client Sample ID: SB-9 @10.25'

Matrix: SOIL

Project: CoP San Juan 28-7 #216 Collection Date: 9/17/2014 4:30:00 PM

Analyses Result **RL Qual Units DF** Date Analyzed Batch **EPA METHOD 8015D: DIESEL RANGE ORGANICS** Analyst: BCN Diesel Range Organics (DRO) 9.9 mg/Kg 9/22/2014 8:21:11 PM 15369 Motor Oil Range Organics (MRO) ND 50 9/22/2014 8:21:11 PM mg/Kg 15369 Surr: DNOP 57.9-140 %REC 124 9/22/2014 8:21:11 PM 15369 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 9/22/2014 7:31:54 PM 15378 4.9 mg/Kg Surr: BFB 96.8 %REC 9/22/2014 7:31:54 PM 80-120 15378

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 3 of 8

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1409880

Date Reported: 9/26/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-10 @9.75'

Project: CoP San Juan 28-7 #216

Collection Date: 9/17/2014 5:46:00 PM

Lab ID: 1409880-004

Matrix: SOIL

Received Date: 9/18/2014 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS		710 4545		Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/22/2014 8:51:31 PM	15369
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/22/2014 8:51:31 PM	15369
Surr: DNOP	104	57.9-140	%REC	1	9/22/2014 8:51:31 PM	15369
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/22/2014 8:00:28 PM	15378
Surr: BFB	96.1	80-120	%REC	1	9/22/2014 8:00:28 PM	15378

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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

Page 4 of 8

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1409880 26-Sep-14

Client: Animas Environmental
Project: CoP San Juan 28-7 #216

Sample ID MB-15363	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range C	Organics							
Client ID: PBS	Batch ID: 15363	RunNo: 21269									
Prep Date: 9/18/2014	Analysis Date: 9/18/2014	SeqNo: 620601	Units: %REC								
Analyta	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qua							
Analyte Surr: DNOP	10 10.00		140	REDLIIII Qua							
Sample ID LCS-15363	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range C	Organics							
Client ID: LCSS	Batch ID: 15363	RunNo: 21269									
Prep Date: 9/18/2014	Analysis Date: 9/18/2014	SeqNo: 620602	Units: %REC								
Analyto	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qua							
Analyte Surr: DNOP	5.2 5.000	The state of the s	140	N DEIMIL Qua							
Sample ID LCS-15369	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range (Organics							
Client ID: LCSS	Batch ID: 15369	RunNo: 21309	ourob. Dieser range c	organios							
Prep Date: 9/18/2014			Unito: ma///a								
Prep Date: 9/18/2014	Analysis Date: 9/19/2014	SeqNo: 622110	Units: mg/Kg								
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qua							
Diesel Range Organics (DRO)	52 10 50.00		130								
Surr: DNOP	5.0 5.000	100 57.9	140								
Sample ID MB-15369	SampType: MBLK	TestCode: EPA Method 8015D: Diesel Range Organics									
Client ID: PBS	Batch ID: 15369	RunNo: 21309									
Prep Date: 9/18/2014	Analysis Date: 9/19/2014	SeqNo: 622115	Units: mg/Kg								
op Date. Of IOIAU IT	This year and the contract the										
			Highl imit %RPD	RPDI imit Qua							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qua							
Analyte Diesel Range Organics (DRO)			HighLimit %RPD	RPDLimit Qua							
Analyte Diesel Range Organics (DRO)	Result PQL SPK value ND 10	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qua							
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Result PQL SPK value ND 10 ND 50 8.9 10.00	SPK Ref Val %REC LowLimit	140								
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Result PQL SPK value ND 10 ND 50 8.9 10.00	SPK Ref Val %REC LowLimit 89.3 57.9	140								
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method	140								
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014	Result PQL SPK value ND	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 SeqNo: 623164	140 8015D: Diesel Range C Units: mg/Kg	Organics							
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014 Analyte	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS Batch ID: 15369 Analysis Date: 9/19/2014	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 SeqNo: 623164 SPK Ref Val %REC LowLimit	140 8015D: Diesel Range C Units: mg/Kg								
Analyte Diesel Range Organics (DRO) Wotor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014 Analyte	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS Batch ID: 15369 Analysis Date: 9/19/2014 Result PQL SPK value	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 21309 SeqNo: 623164 SPK Ref Val %REC LowLimit 19.20 149 40.1	140 8015D: Diesel Range C Units: mg/Kg HighLimit %RPD	Organics							
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014 Analyte Diesel Range Organics (DRO)	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS Batch ID: 15369 Analysis Date: 9/19/2014 Result PQL SPK value 93 10 49.75 5.1 4.975	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 21309 SeqNo: 623164 SPK Ref Val %REC LowLimit 19.20 149 40.1	140 18015D: Diesel Range C Units: mg/Kg HighLimit %RPD 152 140	Organics RPDLimit Qua							
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014 Analyte Diesel Range Organics (DRO) Surr: DNOP	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS Batch ID: 15369 Analysis Date: 9/19/2014 Result PQL SPK value 93 10 49.75 5.1 4.975	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 SeqNo: 623164 SPK Ref Val %REC LowLimit 19.20 149 40.1 103 57.9	140 18015D: Diesel Range C Units: mg/Kg HighLimit %RPD 152 140	Organics RPDLimit Qua							
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID 1409878-002AMS	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS Batch ID: 15369 Analysis Date: 9/19/2014 Result PQL SPK value 93 10 49.75 5.1 4.975 D SampType: MSD	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 SeqNo: 623164 SPK Ref Val %REC LowLimit 19.20 149 40.1 103 57.9 TestCode: EPA Method	140 18015D: Diesel Range C Units: mg/Kg HighLimit %RPD 152 140	Organics RPDLimit Qua							
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC Prep Date: 9/18/2014 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID 1409878-002AMS Client ID: BatchQC	Result PQL SPK value ND 10 ND 50 8.9 10.00 SampType: MS Batch ID: 15369 Analysis Date: 9/19/2014 Result PQL SPK value 93 10 49.75 5.1 4.975 D SampType: MSD Batch ID: 15369 Analysis Date: 9/19/2014	SPK Ref Val %REC LowLimit 89.3 57.9 TestCode: EPA Method RunNo: 21309 SeqNo: 623164 SPK Ref Val %REC LowLimit 19.20 149 40.1 103 57.9 TestCode: EPA Method RunNo: 21309	140 18015D: Diesel Range C Units: mg/Kg HighLimit %RPD 152 140 18015D: Diesel Range C	Organics RPDLimit Qua							

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- NO Not Detected at the Reporting
- P Sample pH greater than 2. RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#:

1409880

26-Sep-14

Client: Animas Environmental CoP San Juan 28-7 #216 Project:

Sample ID 1409878-002AMSD

SampType: MSD

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: **BatchQC** Batch ID: 15369

RunNo: 21309

Prep Date: 9/18/2014 Analysis Date: 9/19/2014

SegNo: 623165

Units: mg/Kg

Analyte

SPK value SPK Ref Val %REC

Qual

Surr: DNOP

7.1

4.955

LowLimit 143

57.9

HighLimit 140 **RPDLimit** 0

S

Sample ID 1409854-001AMS

SampType: MS

TestCode: EPA Method 8015D: Diesel Range Organics

%RPD

0

Client ID: BatchQC

Batch ID: 15363

RunNo: 21369 SeqNo: 624223

Units: %REC

Prep Date: Analyte

9/18/2014

Analysis Date: 9/22/2014

SPK value SPK Ref Val %REC

%RPD

Qual

Surr: DNOP

Result 4.5

4.931

90.7

LowLimit 57.9 HighLimit 140 **RPDLimit**

Sample ID 1409854-001AMSD

9/18/2014

SampType: MSD

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: **BatchQC** Batch ID: 15363

Analysis Date: 9/22/2014

RunNo: 21369

Units: %REC

Analyte

Result

PQL SPK value SPK Ref Val

%REC

LowLimit

HighLimit

%RPD

Qual

Surr: DNOP

Prep Date:

4.8

4.970

96.5

SeqNo: 624224

57.9

140

RPDLimit

Page 6 of 8

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

0 RSD is greater than RSDlimit

R

Value above quantitation range Analyte detected below quantitation limits J

RPD outside accepted recovery limits

Holding times for preparation or analysis exceeded

ND

Sample pH greater than 2.

Reporting Detection Limit

B Analyte detected in the associated Method Blank

Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1409880

26-Sep-14

Client: Animas Environmental Project: CoP San Juan 28-7 #216

SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Sample ID MB-15378 Client ID: PBS Batch ID: 15378 RunNo: 21342 Prep Date: 9/18/2014 Analysis Date: 9/22/2014 SeqNo: 623292 Units: mg/Kg SPK value SPK Ref Val %RPD **RPDLimit** Result PQL %REC LowLimit **HighLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 940 1000 94.2 80 120 Sample ID LCS-15378 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 15378 RunNo: 21342 Prep Date: 9/18/2014 Analysis Date: 9/22/2014 SeqNo: 623293 Units: mg/Kg SPK value Result SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 0 65.8 26 5.0 25.00 103 139 1000 Surr: BFB 1000 101 120 TestCode: EPA Method 8015D: Gasoline Range Sample ID 1409874-006AMS SampType: MS

Client ID: **BatchQC** Batch ID: 15378 RunNo: 21342 Prep Date: SeqNo: 623304 9/18/2014 Analysis Date: 9/22/2014 Units: mg/Kg Result LowLimit %RPD **RPDLimit** Qual SPK value SPK Ref Val %REC HighLimit Analyte PQL Gasoline Range Organics (GRO) 23 4.6 23.08 0 101 71.8 132 Surr: BFB 1000 923.4 110 80 120

Sample ID 1409874-006AMSD TestCode: EPA Method 8015D: Gasoline Range SampType: MSD Client ID: **BatchQC** Batch ID: 15378 RunNo: 21342 Prep Date: 9/18/2014 Analysis Date: 9/22/2014 SeqNo: 623305 Units: mg/Kg %REC %RPD **RPDLimit** Qual Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit Gasoline Range Organics (GRO) 22 4.6 23.15 96.5 71.8 132 4.58 0 Surr: BFB 1000 925.9 108 80 120 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- - Sample pH greater than 2. Reporting Detection Limit

Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

1409880 WO#:

26-Sep-14

Client: Animas Environmental Project: CoP San Juan 28-7 #216

Sample ID MB-15378	Samp	Type: ME	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch ID: 15378 Analysis Date: 9/22/2014			F	RunNo: 2	1342				
Prep Date: 9/18/2014				SeqNo: 623326			Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID LCS-15378	TestCode: EPA Method 8021B: Volatiles														
Client ID: LCSS	Client ID: LCSS Batch ID: 15378						RunNo: 21342								
Prep Date: 9/18/2014	Analysis Date: 9/22/2014			SeqNo: 623327			Units: mg/k	(g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	0.91	0.050	1.000	0	90.6	80	120	Facilities of	F-VEST	Water St.					
Toluene	0.91	0.050	1.000	0	91.1	80	120								
Ethylbenzene	0.92	0.050	1.000	0	92.4	80	120								
Xylenes, Total	2.8	0.10	3.000	0	92.6	80	120								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120								

Sample ID 1409878-001AI	MS Samp	Type: MS	pe: MS TestCode: EPA Method 8021B: Volatiles										
Client ID: BatchQC	Bato	h ID: 15	378	F	RunNo: 2	1342							
Prep Date: 9/18/2014	Analysis I	Analysis Date: 9/22/2014			SeqNo: 6	23339	Units: mg/k	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.76	0.049	0.9843	0	77.0	77.4	142			S			
Toluene	0.83	0.049	0.9843	0	84.8	77	132						
Ethylbenzene	0.88	0.049	0.9843	0	89.5	77.6	134						
Xylenes, Total	2.7	0.098	2.953	0	89.9	77.4	132						
Surr: 4-Bromofluorobenzene	1.1		0.9843		108	80	120						

Sample ID 1409878-001AMS	D Samp1	Type: MS	SD	TestCode: EPA Method 8021B: Volatiles											
Client ID: BatchQC	Batch ID: 15378 Analysis Date: 9/22/2014			F											
Prep Date: 9/18/2014				SeqNo: 623340			Units: mg/k	(g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	0.88	0.049	0.9881	0	89.5	77.4	142	15.3	20						
Toluene	0.90	0.049	0.9881	0	91.2	77	132	7.62	20						
Ethylbenzene	0.91	0.049	0.9881	0	92.1	77.6	134	3.28	20						
Xylenes, Total	2.7	0.099	2.964	0	91.7	77.4	132	2.39	20						
Surr: 4-Bromofluorobenzene	1.1		0.9881		109	80	120	0	0						

Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits

RSD is greater than RSDlimit

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Reporting Detection Limit

Sample pH greater than 2.

Page 8 of 8

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Website: www.hallenvironmental.com RcptNo: 1 Client Name: **Animas Environmental** Work Order Number: 1409880 Received by/date: Logged By: **Ashley Gallegos** 9/18/2014 7:30:00 AM Completed By: 9/18/2014 9:17:56 AI Reviewed By: Chain of Custody No 🗆 Not Present Yes 🗆 1. Custody seals intact on sample bottles? Not Present Yes V 2. Is Chain of Custody complete? 3 How was the sample delivered? Courier Log In No 🗆 Yes V NA [4. Was an attempt made to cool the samples? NA 🗆 No D 5. Were all samples received at a temperature of >0° C to 6.0°C No 🗆 6. Sample(s) in proper container(s)? No [7. Sufficient sample volume for Indicated test(s)? No [Yes V 8. Are samples (except VOA and ONG) properly preserved? No V NA [] 9. Was preservative added to bottles? No VOA Vials No 🔲 10.VOA vials have zero headspace? No V 11. Were any sample containers received broken? # of preserved bottles checked for pH: No [12. Does paperwork match bottle labels? Yes V (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗆 13 Are matrices correctly identified on Chain of Custody? Yes V No 🔲 14. Is it clear what analyses were requested? Checked by: No 🔲 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes [No 🗆 NA V 16. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp C Condition Seal Intact Seal No Seal Date

Client:A	Address:	Local Social	Pronun 87401 51.4-2281	Project Name	☐ Rush	28-7 #216				A	w.ha	llenv Alb	rironr ouque	ment erque	AE al.co e, NI 345-	om M 87 4107	RAT	TAL	
email or QA/QC Pa Stand Accredite	ackage: lard ation	505	□ Level 4 (Full Validation)	Project Mana Em Sampler: On Ice:	B's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	18.1)	8270 SIMS)		Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	s / 8082 PCB's		(A)		,	or N)		
Date	Time	Matrix	Sample Request ID		Preservative Type	a version and the	BTEX + M	BTEX + MTBE	TPH 8015B (GI	TPH (Method 418.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NC	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
17/14	Su 533	Soil	SB-6610'	2-402 jar	Cool	-001	X		X								1 3		
, ,	1345	1	58-7 69.25'		1	-002			X										
	1630		SB-9@10.25'	1-402		-003			X										
+	1746	+	5B-10 @ 9.75'	01/18	+	-004			×										+
																			+
11/14 bate:	2015	Relinquish Relinquish	melin	Received by: Received by:	nete /	Date Time 9/11/14 2015 Date Time 09/03/14 07:30		marks	s:	3 Bi	1 1	to	Con Con	no c	> 60	_ (c	ا د		1