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

State of New Mexico Energy Minerals and Natural Resources

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action

Form C-141 Revised August 8, 2011

	OPERATOR	3	Initia	al Report		
Name of Company Burlington Resources, a Wholly Owned	Contact Lisa H	unter				
Subsidiary of ConocoPhillips Company Address 3401 East 30th St, Farmington, NM	Telephone No.	(505) 258-1607				
Facility Name: San Juan 28-6 127N	Facility Type: G					
Surface Owner BLM Mineral Owner	FED		API No	API No.3003930774		
			711110	.500575077	7	
	N OF RELEA		/West Line	County		
Unit Letter Section Township Range Feet from the Nort	South	1797	East	Rio Arriba		
Latitude 36.643	95 Longitude -10	0748693				
	E OF RELEAS					
Type of Release Hydrocarbon	Volume of Relea		Volume R		620 c/yds	
Source of Release BGT	Date and Hour of N/A	of Occurrence	Date and 1 12-12-201	Hour of Disco	overy	
Was Immediate Notice Given?	If YES, To Who	om?				
Yes No Not Required						
By Whom? N/A Was a Watercourse Reached?	Date and Hour	N/A Impacting the Wa	atercourse			
☐ Yes ☒ No	N/A	impacing the we	All	CONS D	IV DIST. 3	
If a Watercourse was Impacted, Describe Fully.*			OIL			
N/A				JUN 1	5 2017	
Describe Cause of Problem and Remedial Action Taken.*				90		
Historic contamination was encountered after soil sample was taken on	11-14-16 during a B	GT Resample Pro	ject.			
Describe Area Affected and Cleanup Action Taken.*			. 1 1			
Delineation of the BGT area on 12-12-16 indicates a 20'x35'x 5' area th	at will be excavated	to at or below act	ion levels.			
Historical hydrocarbon impacted soil was found during the B						
in depth and 620 c/yds of soil was transported to IEI land far						
one wall (130ppm TPH). OCD approved COPC request to be analysis are attached for review.	ackiiii. No iurthe	er action requir	ed. The clo	sure report	and laboratory	
y						
I hereby certify that the information given above is true and complete to	the best of my know	vledge and underst	and that nurs	uant to NMO	CD rules and	
regulations all operators are required to report and/or file certain release	notifications and per	rform corrective a	ctions for rele	ases which m	nay endanger	
public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remedia						
or the environment. In addition, NMOCD acceptance of a C-141 report						
federal, state, or local laws and/or regulations.		II. CONCER	NA THOMA	DHUGION		
f	\Box	OIL CONSER	VATION	DIVISIO	N	
Ish Ist				6		
Signature:	Approved by Envir	ronmental Special	ist:		2	
Printed Name: Lisa Hunter			Ore	000		
Title: Field Environmental Specialist	Approval Date:	1221207	Expiration I			
E mail Addraga Lica Huntan Gaar		10010				
E-mail Address: Lisa.Hunter@cop.com	Conditions of Appr	roval:		Attached		
Date: 06-14-17 Phone: 505-258-1607						
Attach Additional Sheets If Necessary	MYFNO	234090	0			

Fields, Vanessa, EMNRD

From:

Hunter, Lisa < Lisa. Hunter@conocophillips.com>

Sent:

Wednesday, April 26, 2017 9:16 AM

To:

Fields, Vanessa, EMNRD; whitney thomas (l1thomas@blm.gov)

Subject:

RE: Request to backfill - San Juan 28-6 Unit 127N

Thank you!

Lisa Hunter

Field Environmental Specialist

Conoco Phillips Company

505.258.1607

Lisa. Hunter@cop.com

"Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."

From: Fields, Vanessa, EMNRD [mailto:Vanessa.Fields@state.nm.us]

Sent: Wednesday, April 26, 2017 7:51 AM

To: Hunter, Lisa <Lisa.Hunter@conocophillips.com>; whitney thomas (l1thomas@blm.gov) <l1thomas@blm.gov>

Subject: [EXTERNAL]RE: Request to backfill - San Juan 28-6 Unit 127N

Good morning Lisa,

The OCD grants your request to backfill the San Juan 28-6 #127N.

Thank you,

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us

From: Hunter, Lisa [mailto:Lisa.Hunter@conocophillips.com]

Sent: Friday, April 21, 2017 2:37 PM

To: Fields, Vanessa, EMNRD < Vanessa. Fields@state.nm.us >; whitney thomas (l1thomas@blm.gov)

< 11thomas@blm.gov>

Subject: Request to backfill - San Juan 28-6 Unit 127N

Importance: High

<< File: Lab Result 4.11.17.pdf >> << File: Lab Results 3.29.17 SC-2.pdf >> << File: Lab Results 3.29.17 SC5 6 8 & 9.pdf >> << File: Figure 4 SJ 28-6 Unit 127N Excavation Map.pdf >> << File: Lab Results SC1 & 10 3.17.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> << File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.17.pdf >> </ File: Lab Results SC2 to SC11 3.22.pdf >> </ File: Lab Results SC2 to SC11 3.22.pdf >> <

Attached please find the lab reports (5) for the **San Juan 28-6 Unit 127N**. Excavation completed at approximately 71ft x 84ft x 2-4.5ft deep. As the attached reports and the table below shows all the walls on the excavation cleared except one – SC-6 (East Wall, South half) with TPH 158 and BTEX 2.12 (Benzene .015). Risk Rank: 100ppm.

With the excavation terminating at hard sandstone, and a very low BTEX on all results, COPC believes the residual contaminates do not pose a present or foreseeable threat or an environmental risk to water, humans or animals, and therefore requests a variance and approval to backfill the excavation with clean soil.

Sample ID	Sample Location Date	Benzene (mg/kg)	BTEX (mg/kg)	TPH -GRO (mg/kg)	TPH-DR (mg/kg		H-MR ng/kg)
			NMOCD Action I	Level 10	50		100
SC-1	East Wall Center	3/17/17	< 0.014	< 0.126	<2.8	<9.9	<4'
SC-2	South Wall	3/29/17	< 0.015	< 0.139	<3.1	<9.9	<4'
SC-3	North Wall	3/22/17	< 0.015	< 0.134	<3.0	<9.5	<4.
SC-4	West Wall Center	3/17/17	< 0.015	< 0.135	<3.0	11	<4
SC-5	Center Base	4/11/17	< 0.016	< 0.147	<3.3	63	49
SC-6	East Wall S1/2	4/11/17	0.015	2.12	130	28	<4
SC-7	West Wall S1/2	3/22/17	< 0.016	0.24	<3.2	<9.5	<4
SC-8	South Base	3/29/17	< 0.017	1.67	36	19	<51
SC-9	Northeast Wall	4/11/17	< 0.014	< 0.123	<2.7	<9.5	<4
SC-10	West Wall N1/2	3/22/17	< 0.015	< 0.132	7.0	12	<4'
SC-11	North Base	3/22/17	< 0.030	0.79	49	41	<4
SC-12	Northeast Base	4/11/17	< 0.015	1.6	49	18	<4
SC-13	Northeast Wall	4/11/17	< 0.016	0.13	6.3	16	<4'

Please let me know if you have any questions.

Thanks,

Lisa Hanter

Field Environmental Specialist

Conoco Phillips Company

Lisa. Hunter@cop.com

Cell: 505.258.1607

[&]quot;Archaeology permits us to see small moments in time to witness events in everyday lives not recorded by history."

Animas Environmental Services, LLC



June 7, 2017

Lisa Hunter and Robert Spearman ConocoPhillips San Juan Business Unit (505) 326-9786 / (505) 320-3045

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

RE: Below Grade Tank Closure, Release Assessment, and Final Excavation Report San Juan 28-6 Unit 127N Rio Arriba County, New Mexico

Dear Ms. Hunter and Mr. Spearman:

On November 14 and December 12, 2016; and March 17 to April 11, 2017, Animas Environmental Services, LLC (AES) completed below grade tank (BGT) closure sampling, a release assessment, and environmental clearance of the final excavation limits at the ConocoPhillips (COPC) San Juan 28-6 Unit 127N located in Rio Arriba County, New Mexico.

At the request of the New Mexico Oil Conservation Division (NMOCD), resampling of the location below the former BGT was required in order to meet all required closure criteria listed in New Mexico Administrative Code (NMAC) 19.15.17.13E. After the below grade tank sampling, an initial release assessment was completed on December 12, 2016, and the final excavation was completed by COPC contractors prior to AES' arrival on location on April 11, 2017.

1.0 Site Information

1.1 Location

Site Name – San Juan 28-6 Unit 127N
Legal Description – NW¼ SE¼, Section 20, T28N, R6W, Rio Arriba
County, New Mexico
Well Latitude/Longitude – N36.64374 and W107.48761
BGT Latitude/Longitude – N36.64395 and W107.48693
Land Jurisdiction – Bureau of Land Management (BLM)

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

> 1911 Main, Ste 206 Durango, CO 81301 970-403-3084

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, 2016 and 2017

1.2 NMOCD Ranking

Prior to site work, NMOCD and New Mexico Office of the State Engineer (NMOSE) databases were reviewed, and a cathodic protection report dated July 1980 for the San Juan 28-6 Unit 44A, found adjacent to the location, reported the depth to groundwater at greater than 100 feet below ground surface (bgs).

However, at the request of the NMOCD, the most stringent sample result criteria were applied to this BGT. Note these criteria normally apply to sites with a depth to groundwater of 0 to 50 feet.

1.3 Assessment

AES was initially contacted by Robert Spearman, COPC representative, on November 2, 2016, and on November 14, 2016, Corwin Lameman of AES traveled to the location. Soil sampling consisted of collection of one soil sample (BGT S-1) from the center of the former BGT footprint at a depth of 3.5 feet. Soil sample results were above the action levels, and a release was confirmed.

On December 12, 2016, AES personnel returned to the location to complete the release assessment field work. The assessment included collection and field sampling of 17 soil samples from 12 soil borings (SB-1 through SB-12). Based on field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On March 17, 22 and 29, and April 11, 2017, AES returned to the location to collect confirmation soil samples of the excavation extents. The field sampling activities included collection of 15 confirmation soil samples (SC-1 through SC-13, T-1 and T-2) from the walls and base of the excavation and an assessment trench. The area of the final excavation measured approximately 71 feet by 84 feet by 2 to 4.5 feet in depth, and the assessment trench was approximately 69 feet by 3 feet by 3 feet in depth. Note that the depths of the excavation and trench were limited due to a confining sandstone unit around 2 to 4.5 feet bgs. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 17 soil samples (SB-1 through SB-12) and 15 composite samples (SC-1 through SC-13, T-1 and T-2) were collected during the assessment and excavation clearance. All samples were field screened for volatile organic compounds (VOCs),

and selected samples were analyzed for total petroleum hydrocarbons (TPH). All composite samples 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

Soil samples were also analyzed in the field for TPH 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 sample chain of custody records. 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:

- Benzene, toluene, ethylbenzene and xylene (BTEX) per USEPA Method 8021B;
 and
- TPH as gasoline range, diesel range and motor oil range organics (GRO/DRO/MRO) per USEPA Method 8015.

In addition, soil samples BGT S-1, SB-3 and SB-5 were laboratory analyzed for:

- TPH per USEPA Method 418.1; and
- Chlorides per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field sampling results and laboratory analytical results are summarized in Tables 1 and 2, respectively, and on Figures 3 and 4. The AES Field Sampling Reports and laboratory analytical reports are attached.

Table 1. Soil Field VOCs and TPH Results
San Juan 28-6 Unit 127N Release Assessment and Final Excavation
December 2016 through April 2017

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (418.1) (mg/kg)
Sumple 12		MOCD Action Level	*	100*
SB-1	12/12/16	3.5	0.0	<20.0
		1.5	437	39.9
SB-2	12/12/16 -	12/12/16		1,760
SB-3	12/12/16	1.25	219	20.7
SB-4	12/12/16	1.5	0.2	NA
SB-5	12/12/16	2.75	325	73.3
CD C	12/12/16	1.5	1,148	182
SB-6	12/12/16 -	2.5	2,923	642
CD 7	12/12/16	2	1,201	NA
SB-7	12/12/16 -	3	2,505	1,450
SB-8	12/12/16	3	0.0	<20.0
CD O	12/12/16	2	73.6	NA
SB-9	12/12/16 -	2.75	32.3	<20.0
SB-10	12/12/16 -	1.25	3,453	NA
3B-10	12/12/16	2.75	2,748	1,800
SB-11	12/12/16	3.5	1.2	<20.0
SB-12	12/12/16	3	0.9	<20.0
SC-1	3/17/17	0 to 3.25	113	<20.0
SC-2	3/29/17	0 to 4.5	0.8	<20.0
SC-3	3/22/17	0 to 2	6.8	<20.0
SC-4	3/17/17	0 to 3.25	9.2	<20.0
SC-5	3/29/17	3.25	2,337	44.9
SC-6	4/11/17	0 to 4.5	2,276	70.0
SC-7	3/22/17	0 to 4.5	19.1	<20.0
SC-8	3/29/17	4.5	1,953	47.4

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (418.1) (mg/kg)
	NA	AOCD Action Level	*	100*
SC-9	4/11/17	0 to 2	7.7	<20.0
SC-10	3/22/17	0 to 2	185	<20.0
SC-11	3/22/17	2	2,851	80.1
SC-12	4/11/17	0 to 4	1,381	26.4
SC-13	4/11/17	2 to 4	2,510	21.3
T-1	3/29/17	0 to 3	2.1	<20.0
T-2	3/29/17	0 to 3	3,640	140

NA – not analyzed

Table 2. Soil Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides San Juan 28-6 Unit 127N BGT Closure, Release Assessment and Final Excavation November 2016 through April 2017

Cample	Date	Sample	Benzene	Total BTEX	TPH 418.1	TPH- GRO 8015	TPH- DRO 8015	TPH MRO 8015	Chlorides
Sample ID	Sampled	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	NMOCD Act	tion Level	10*	50*	100*		100*		600*
BGT S-1	11/14/16	3.5	<0.49	51	3,900	2,100	1,300	620	<30
SB-3	12/12/16	1.25	<0.024	0.52	25	7.1	28	<46	46
SB-5	12/12/16	2.75	<0.025	<0.222	78	<4.9	62	<49	<30
SC-1	3/17/17	0 to 3.25	<0.014	<0.126	NA	<2.8	<9.9	<49	NA
SC-2	3/29/17	0 to 4.5	<0.015	<0.139	NA	<3.1	<9.9	<49	NA
SC-3	3/22/17	0 to 2	<0.015	<0.134	NA	<3.0	<9.5	<48	NA
SC-4	3/17/17	0 to 3.25	<0.015	<0.135	NA	<3.0	11	<46	NA
SC-5	4/11/17	3.25	<0.016	<0.147	NA	<3.3	63	49	NA
SC-6	4/11/17	0 to 4.5	0.015	2.12	NA	130	28	<46	NA
SC-7	3/22/17	0 to 4.5	<0.016	0.24	NA	<3.2	<9.5	<47	NA
SC-8	3/29/17	4.5	<0.017	1.67	NA	36	19	<50	NA

^{*}Action level determined by NMAC 19.15.17.13 Table 1.

Sample ID			Benzene (mg/kg) 10*	Total BTEX (mg/kg) 50*	TPH 418.1 (mg/kg) 100*	TPH- GRO 8015 (mg/kg)	TPH- DRO 8015 (mg/kg) 100*	TPH MRO 8015 (mg/kg)	Chlorides (mg/kg) 600*
SC-9	4/11/17	0 to 2	<0.014	<0.123	NA	<2.7	<9.5	<47	NA
SC-10	3/22/17	0 to 2	<0.015	<0.132	NA	7.0	12	<49	NA
SC-11	3/22/17	2	<0.030	0.79	NA	49	41	<48	NA
SC-12	4/11/17	0 to 4	<0.015	1.6	NA	49	18	<46	NA
SC-13	4/11/17	2 to 4	<0.016	0.13	NA	6.3	16	<49	NA

NA - not analyzed

3.0 Conclusions and Recommendations

3.1 BGT Closure

On November 14, 2016, AES conducted BGT closure sampling at the location. NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13 Table 1, and for this location the most stringent action levels were utilized per NMOCD. BGT closure sampling results were above the NMOCD action levels of 50 mg/kg for total BTEX and 100 mg/kg for TPH, with BGT S-1 reporting laboratory concentrations of 51 mg/kg total BTEX, 3,900 mg/kg TPH (418.1), and 4,020 mg/kg TPH (as GRO/DRO/MRO), respectively. Chloride concentrations in BGT S-1 were reported below the NMOCD action level of 600 mg/kg, with less than 30 mg/kg. Based on laboratory concentrations, a release was confirmed at the San Juan 28-6 Unit 127N.

3.2 Release Assessment

On December 12, 2016, AES completed a release assessment at the location. Release assessment field sampling results above the NMOCD action level of 100 mg/kg TPH were reported in SB-2, SB-6, SB-7 and SB-10. The highest field TPH concentration was reported in SB-10, with a concentration of 1,800 mg/kg TPH. Excavation of the release area was recommended.

3.3 Excavation Clearance

On April 11, 2017, final clearance of the excavation area was completed. Field sampling results of the excavation extents showed field TPH concentrations were below the applicable NMOCD action level of 100 mg/kg for all samples, except T-2. Laboratory analytical results reported benzene and total BTEX concentrations in all samples as

^{*}Action level determined by NMAC 19.15.17.13 Table 1.

below NMOCD action levels. In contrast, TPH concentrations (as GRO/DRO/MRO) exceeded NMOCD action levels in two samples, SC-5 (center base) and SC-6 (southeast wall). Note that SC-5 had concentrations of GRO (<3.3 mg/kg) and DRO (63 mg/kg), while MRO, which is less mobile in the subsurface, was reported at 49 mg/kg. SC-6 was located in close proximity to the former separators.

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the San Juan 28-6 Unit 127N, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final sidewalls and base of the excavation, except for TPH at SC-5 and SC-6. However, NMOCD granted approval to spray with a potassium permanganate solution and then backfill the excavation. No further work is recommended.

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

Sincerely,

David J. Reese

Environmental Scientist

Elizabeth V MeNdly

Dail g Rem

Elizabeth McNally, P.E.

Attachments:

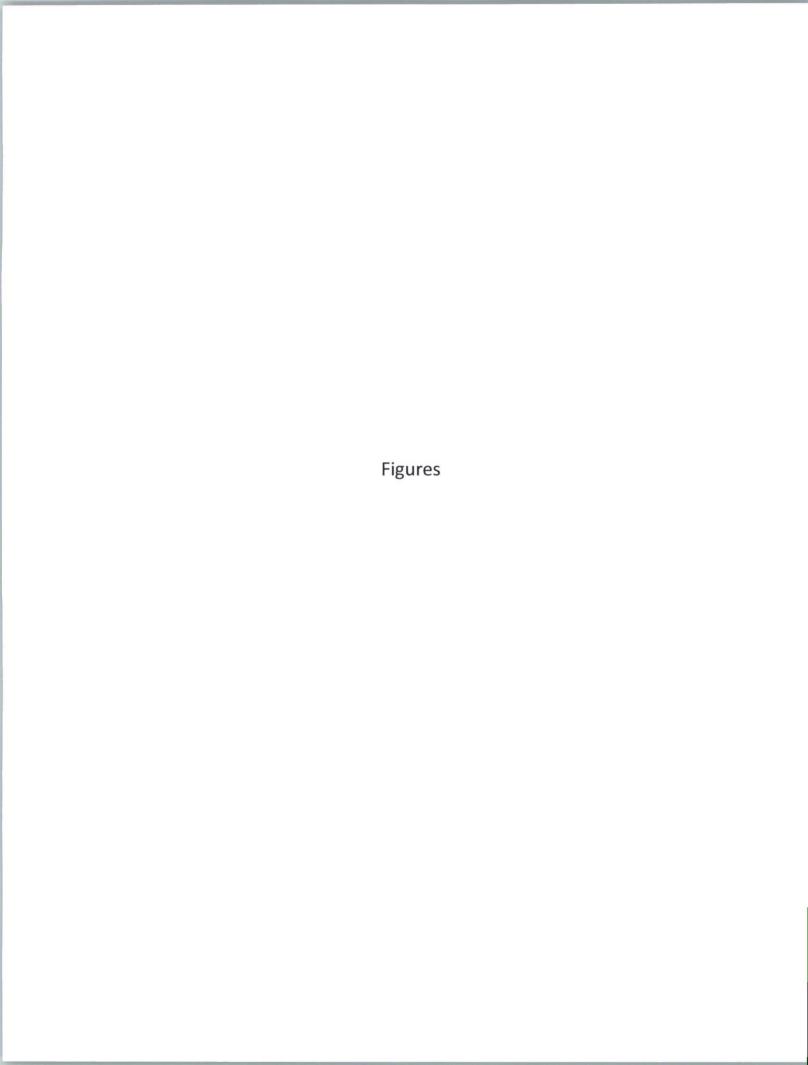
Figure 1. Topographic Site Location Map

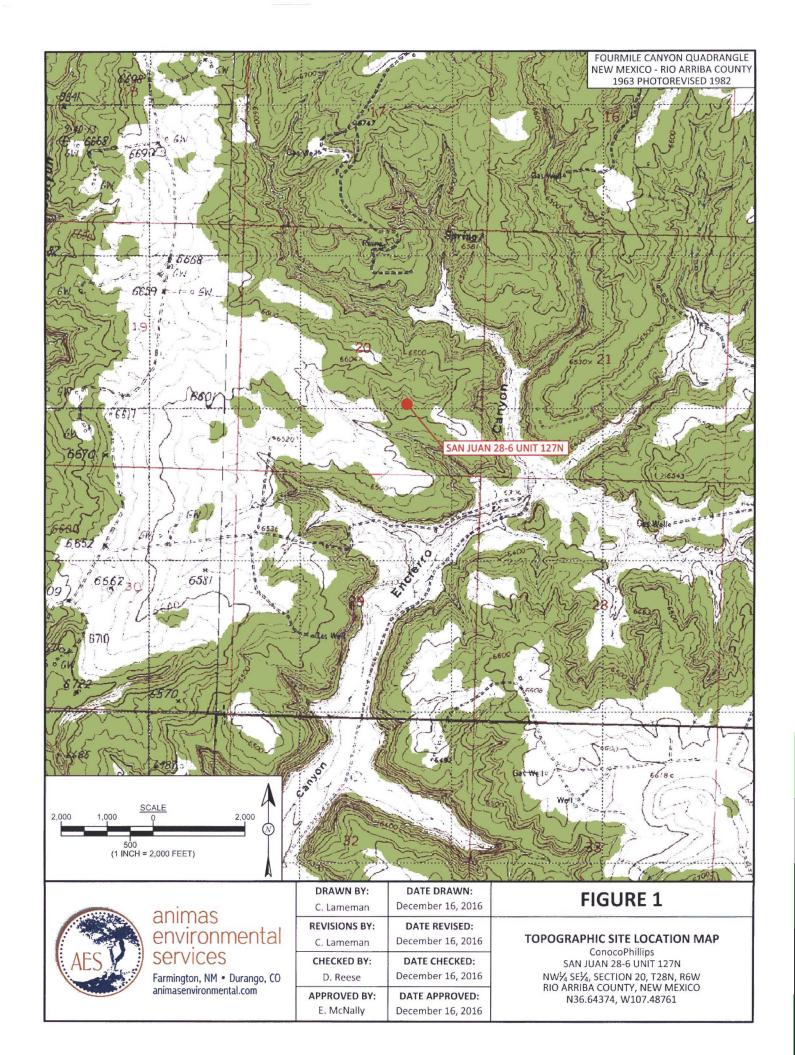
Figure 2. Aerial Site Map, November and December 2016

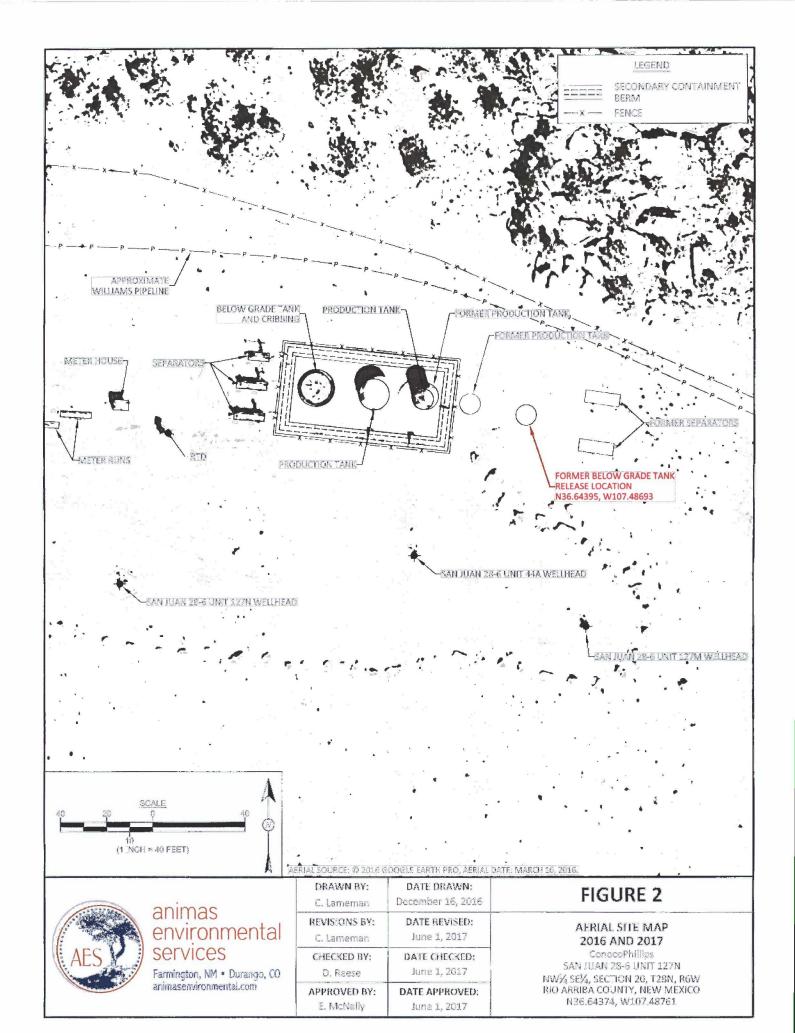
Figure 3. BGT Closure and Release Assessment Sample Locations and Results, November and December 2016

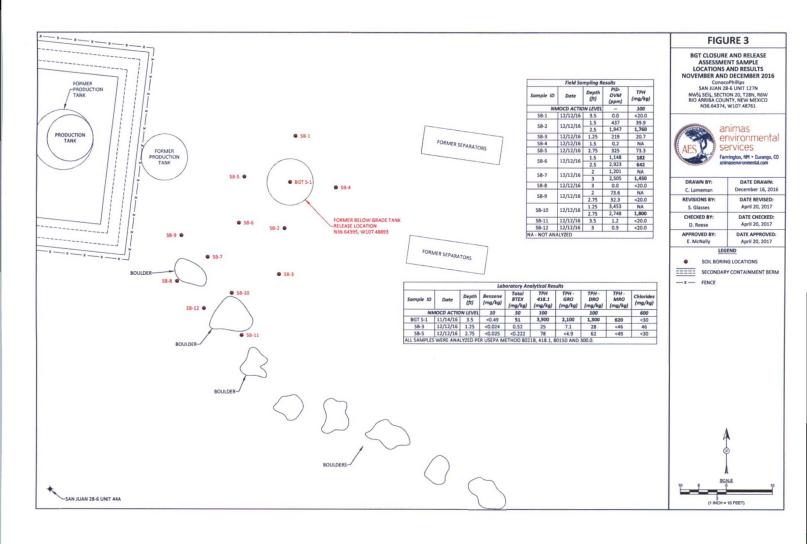
Figure 4. Final Excavation Sample Locations and Results, March and April 2017 AES Field Sampling Reports 121216, 031717, 032217, 032917, 041117 Hall Laboratory Analytical Reports 1611721, 1612945, 1703B58, 1703B61, 1703E72, 1703E90, 1704455

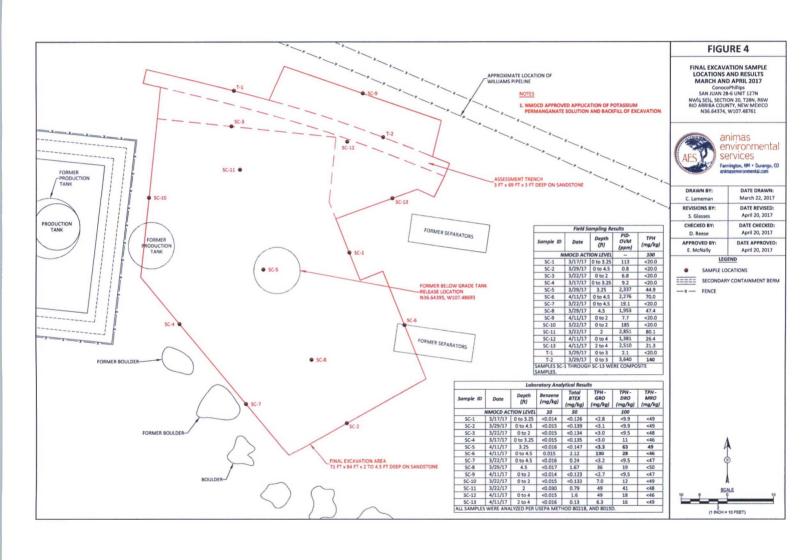
R:\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects Dropbox\2017 Client Projects\ConocoPhillips\SJ 28-6 Unit 127N\San Juan 28-6 Unit 127N BGT Closure Assessment and Excavation Report 060717.docx

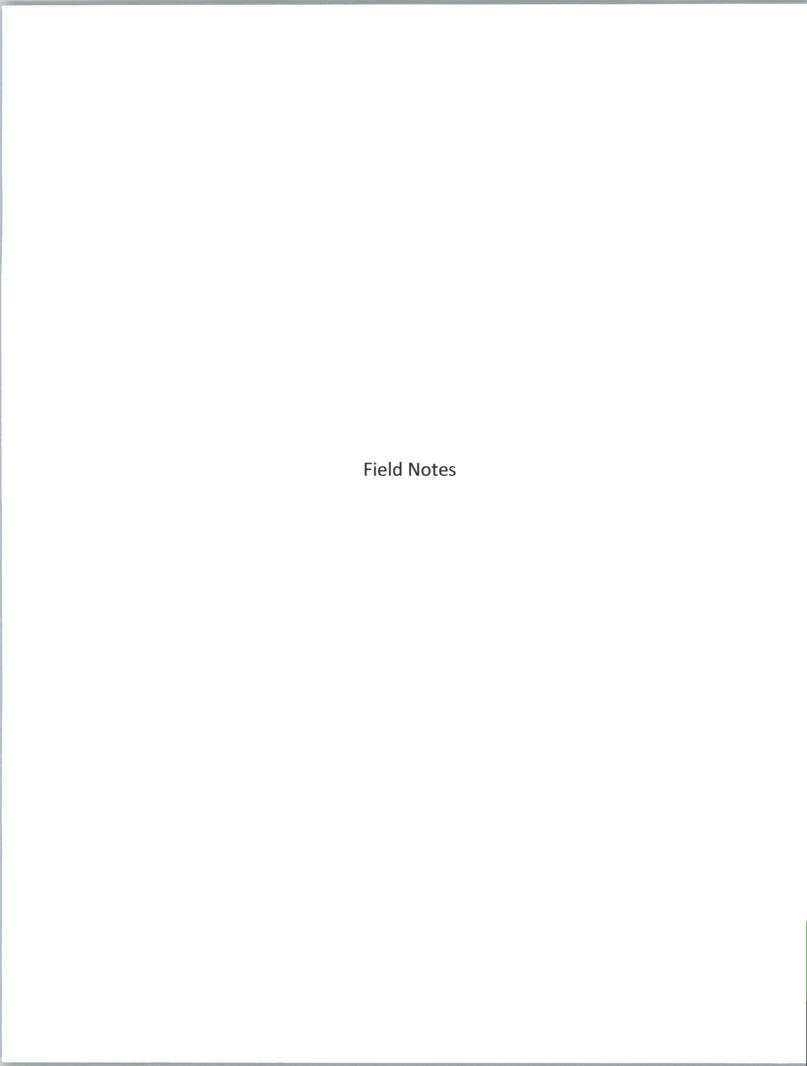












Field Screening Release Assessment Field Repo	ort			Date:	12-12-16
	AES Personnel:	S. 6 lasses	Billi	ing Info:	12-12-16
Well or Lease Name: San Juan 28-6 unit 127N		C. Lamernan	_	WO #:	
	inning mileage:		-	Supervisor:	
	nding Mileage:	UIIVA - JANE	_	USER:	
		Historic BUT		Area:	
		36.64374,-107.48761		Activity Code:	
		310.64395 ,-107.48693		Ordered by:	
County/State: Bio Amba / NM					
Site Rank: 10					
		Buck Machine #			
Equipment in place: 2 Production Tanks, 186T, 3 Sepan	ators	Concentration	50 mg/kg	100 mg/kg	500 mg/kg
3 Meter Runs, 3 WH		Calibration ABS Values	0.076	0.134	0.639
Photos taken:					
Project Details: BGT Regulatory Sampling were above BGT Close	le levels.	Site Sketch (DOES NOT REPLA	CE SITE MA	P) and Current	Excavation Dimensions:
Release Assessment Required.					
		Horizontal (Cross-Section View	w):		
	1				
Initial Recommendations:		(10-1-1	Field Sketel	h
		del	Attached	1100	
		/ertical (Plan View):			
Limitiations: Sandstone Ranging 1.25 + 3.5 Bbs					
, ,					
Animas Environmental Services, LLC					
604 W Pinon St. Farmington, NM 87401 office # 505-564-2281					
1911 N Main, Ste 280, Durango, CO 81301	1 of 2		Rei	lease Assessme	nt Field Form 060215.xlsx

Well or Lease Name: San Juan 28-7 Unit 127N

Date: 12-12-14

AES personnel: S. blasses, C. Lameman

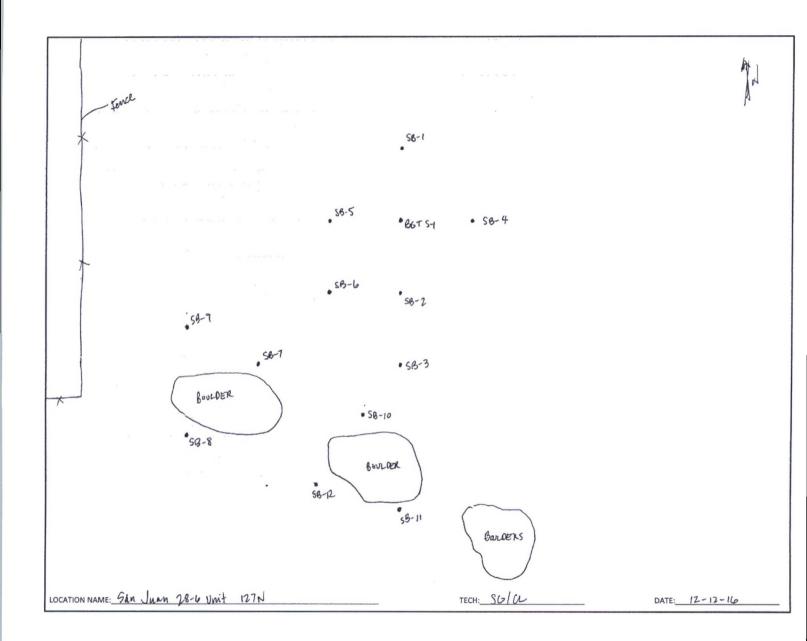
Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS	NOTES
SB-1 e 3.5'	12-12-16	1135	N & B6T 5-1	0.0	1208	420.0	1215	0.010	Sand & Gazel, Ten, Dy, No Olar & String
3B-2 e 1.5'	_	1147	5 % 861 5-1	437	1209	39.86	1226	0.036	Send, Cb, St. Gray, St. Odor
e 2.5'		1155		1947	1210	1,757.13	1229	1.114	Sand, CG, SI. Gray, V. Stry oder. on SS
SB-3 e 1.25'		12-16	SG SB-2	219	/235	20.74	1238	0.024	Sand, CG, Tan, V. Sl. Odor. on 13
SB-4e 1.5'		1236	K. 6 BGT 5-1	0.2	1254	-	-	-	Sand of Clay, Compresple Novier of Staining Report
SB-5 e 2.75'		1245	W B BUT 5-1	325	1305	73.31	1 303		Sand, Blk Reits, St. Odor St. Gray, on SS
SR-6 e 1.5'		/3,8	W 2 S&-2	1148	1332	181.64	1329		Sand alley way fagely SI. Bdr.
e 25'		1325		2923	1340	642.02	1532		Sand, St. Gray, V. Stry Odor, or 55
SB-7 E 2'		1340	SW 16 5B-6	1201	1356	-	-	_	Sand & Clay, Gray Porple, Stry Odor
€3		1347		2505	1407	1451.27	1403	0.922	Sand, 66, Gray V: Sty odar, in SS
SB-8 e3'		1400	SW 16 58-7	0.0	1417	120.0	1413		Sand, (6, Jan, No Oder & Staining oss
58-9 02'		1410	₩ 0258-6	73.6	1430	-	` `	_	Sand & Clay, DE Gray, Staining, Visting Our
@ 2.75'		1420		32.3	1431	420.0	1436	0.013	Sant, C6, Ble Gray, V Stry war in 55
SB-10 C1.25'		1430	E 9 8 8 8	3453	1570	-	_		Clay 15and, Brown No Staining V. Stry adar
e2.75		1434		2748	15/1	1,795.36	1516		Send, CG bruggar, V. Stry Odar, Ox 55
513-11 e 3.5'		1525		1.2	1539	420.0	1542		Send, Co, Tan, No oder & Stairing on 55
SB-12 e 3'	7	1534		0.9	1543	420.0	1547		Sund, Gruphosple, No Odor & Sheining on 55

^{*}Include Benzene readings in the notes section initially and transfer to Limitations if Benzene is a problem on the location.

Animas Environmental Services, LLC 604 W Pinon St. Farmington, NM 87401 office # 505-564-2281 1911 N Main, Ste 280, Durango, CO 81301

2 of 2

Release Assessment Field Form 060215.xlsx



Field Corponing Polor	ass Assassment Field	Papart			Data	
_	ase Assessment Field ConocoPhallips		C. Lameman	Rilli	Date ng Info:	3-17-17
	San Juan 28-6 Unit 127N		C. Muenur	-	WO#:	/0398881
	Kelly Ellis	<u> </u>	94690	-	Supervisor:	4 4 4
Site Arrival Time:	,	Ending Mileage:		-	USER:	BLAKLBN
Site Departure Time:		Release Source:		-	Area:	7
Site Departure Time.	,,,,,		36.64374, -107.48761	-	Activity Code	
Land Jurisdiction:	BLM Re		36.64395, -107.48693	-		lisa Hanter
	Rid Amba / NM	lease Location (or 5).	26.64511, -101. 10012	-	Oracica by.	NEW HYWAN
_	10 but under WO TPH, 10 Ber	mone, 50 878X	- I will	-		
		,	Buck Machine #	3		
Equipment in place:	2 productinetants BET, 3 Sepa	actors	Concentration	50 mg/kg	100 mg/kg	500 mg/kg
5 1	3 WH, 3 Meter Runs		Calibration ABS Values	0.136	0.259	1.211
Photos taken:	Yes					
Project Details: BUT Regula	tory Resample and Odines	tim completed.	Site Sketch (DOES NOT REPLA	CE SITE MA	P) and Curren	t Excavation Dimensions:
	learance and in progress.	Found more				
contamination	n when exampling.		Horizontal (Cross-Section Vie	w):		
Initial Recommendations:						
			Vertical (Plan View):			
Limitiations: Shalla, S. Ja	. Williams pipeline N vb Excur		(, , , , , , , , , , , , , , , , , , ,			
and communication		The state of the s				
<i>Q</i>	,					
Animas Environmental Services	•	1				
604 W Pinon St. Farmington, NI				D	Jago Acces	ant Field Form 012617
1911 N Main, Ste 206, Durango	, CU 81301	1 of		Re	neuse Assessn	nent Field Form 012617.xls

Well or Lease Name: Sm Iran 28-6 Unit 127N

Date: 3-17,17

AES personnel: C. Lameman

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS	NOTES
Sc-1	3-17-17	1000	North Wall	113	1029	Z20.0	1035	0.025	0-2 EWALL Center bas
54-2		1003	South East Wall	1,677	1030	80.1	1038	0.114	0-2
56-3		1005	Worth wall	1167	1031	40.7	1040	0-067	0-7
56-4		1120	Sot Water	9.2	1/37	<20.0	1140	0.013	0-4 Wall Center Lat
56-5		1125	Base	2934	1138	517	1143	0. 435	on Standstone Let
5(-1(2)		/213	that wall	2,470	1226	-	-	_	Sway
56-3 (2)		1215	wood walter	1,118	1227	73.4	1229	0.106	N Wall
5-1		1315	12' Not feace	1,336	1334	983	1351	1.192	Trend to find end of Court.
5-2		1330	20'N & force	12.0	1343	<20.0	1349	0.026	" " bravel
J-3		1518	5 N offena	3.3	1525	420.0	1528	0.028	Check Essetto.
								-	

^{*}Include Benzene readings in the notes section initially and transfer to Limitations if Benzene is a problem on the location.

Animas Environmental Services, LLC	
604 W Pinon St. Farmington, NM 87401 office # 505-564-228	31
1911 N Main, Ste 206, Durango, CO 81301	

Well or Lease Name: San Jun 28-6 Unit 127N

Date: 3.22.17

AES personnel: C. La meman

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS		NOTES	
SC-2 (3)	3.22.17	840	two a	3,5	1003	220.0	1018	6.022	6-3	SWAM	Lab
S(-3 (3)		844	Wall a	3,151	1004	50.7	1020	0.679	0-3	N Wall	
SC-6		853	NWall-a	773	1005	55.8	1023	0.085	0-3	ENAU 51/2	
56-7		859	SEHO	17.1	1006	620.0	1025	0.024	6-3	Whall 5'/2	Lab
56-8		915	Buse \$ 1/2	2714	1007	572	1027	0.701	9-4	on SS	Las
54-9		918	Notal a	3,008	1008	373	1030	0.463	0-3	EWALL N/2	
50-16		922	Sold Ca	185	1009	120.0	1032	0.038	0-3	WWW N'/2	Las
SC - 11	1	940	13asc pb1/2	2,857	1011	80.1	1034	0.114	3-4	on 23	Lab
56-3(4)	7	1057	Wall	6.8	1119	L20.0	1122	0.627	0-2		Lab
						, , , , , , , , , , , , , , , , , , , ,					

^{*}Include Benzene readings in the notes section initially and transfer to Limitations if Benzene is a problem on the location.

Animas Environmental Services, LLC
604 W Pinon St. Farmington, NM 87401 office # 505-564-2281
1911 N Main, Ste 280, Durango, CO 81301

2 of _____

Release Assessment Field Form 060215.xlsx



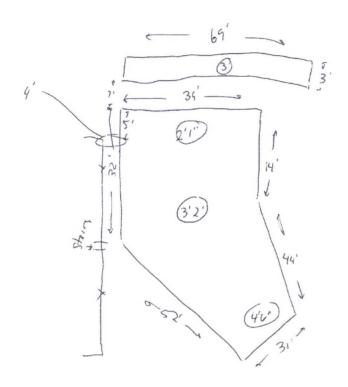
Sundam 28.6 West 127N AES personnel: C. lumeran/ D. Jehnson



Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS	NOTES Standard
SL-Q (4)	3:25-17	1135	Sharl Etiat 1/2	0.8	1235	228.00	1257	6 034	Nas Extended Buck 10 Lab
SC-1/2)	1	1140	EWAL 51/2	2,960	1236	121	1306	0.223	Was Extended Back 10' Lis
5(-9(2)		1145	NE Wall	1,876	1238	49.9	1313	0.074	Wastx Goden Back 8-10 Lib
Trench #21		1220	W! 2 trench	2,1	1330	420.0	1319	0.038	lab 40
Treach 2		1225	E/2 trench	3,640	1331	140	1325	0.180	in projects to see what williams Land Had
Sc.8(2)		1415	S'/2 Bree	1,953	1425	47.4	1422	0.075	on SS Extremely Hard Lab
56-5 (2)	1	1506	Bisecenter	2,337	1521	44.9	1526	0.072	on SS Extremely Hord Lab
									482 relly to give him a all. 970-739-8886
									970-739-8886
			AV-24-PA-478						Lina Bot texted for 3-DayTA
									on all except SC-2 (Standard)
									1

^{*}Include Benzene readings in the notes section initially and transfer to Limitations if Benzene is a problem on the location.

Animas Environmental Services, LLC	
604 W Pinon St. Farmington, NM 87401 office # 505-564-228	1
1911 N Main, Ste 280, Durango, CO 81301	



IN

& Wellhead

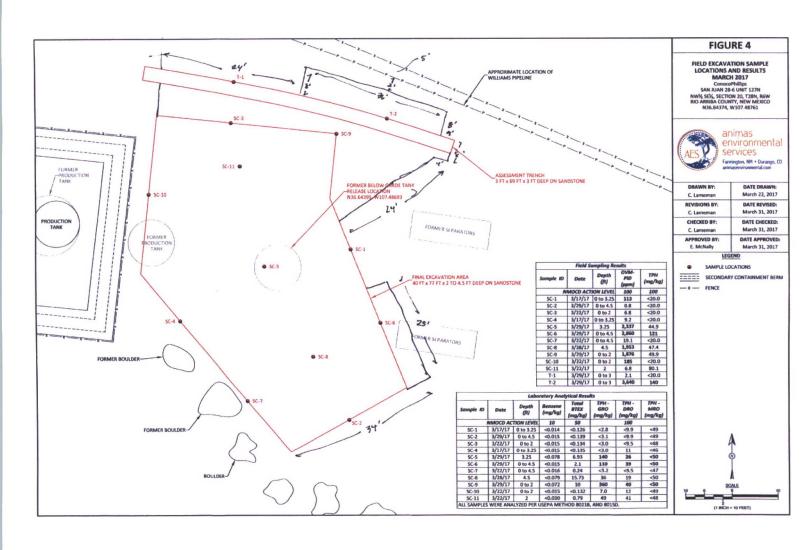
Date: 4-(1-17

AES personnel: Clameman

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS	NOTES
St. 5(3)	4-11-17	922	Bisi Center	1,521	1013	103	1026	0.141	2-Dey
52-9(3))	930	NEWM	7.7	1014	<20.0	1030	0.027	\
SC-12		935	E Extensions Swell	1,381	1015	26.4	1032	0.650	0-4
54-13		943	E Extendent Ext Swell NEXEL OFF N. BLEE	2,510	1016	21.4	1035	0.044	3-4
SL-4(3)	7	1850	Ewall 51/2	2,276	1116	70.0	1/13	0.101	0-4

^{*}Include Benzene readings in the notes section initially and transfer to Limitations if Benzene is a problem on the location.

Well or Lease Name:
Apimas Environmental Services, LLC
604 W Pinon St. Farmington, NM 87401 office # 505-564-2281
1911 N Main, Ste 280, Durango, CO 81301







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

November 23, 2016

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

FAX

RE: COPC San Juan 28-6 Unit 127N

OrderNo.: 1611721

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/15/2016 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

Only

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1611721

Date Reported: 11/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: COPC San Juan 28-6 Unit 127N

Lab ID: 1611721-001

Client Sample ID: BGT S-1@3.5

Collection Date: 11/14/2016 10:45:00 AM

Received Date: 11/15/2016 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst	: MAB
Petroleum Hydrocarbons, TR	3900	190		mg/Kg	10	11/22/2016	28783
EPA METHOD 300.0: ANIONS						Analyst	: LGT
Chloride	ND	30		mg/Kg	20	11/21/2016 11:51:59 P	M 28786
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	S				Analyst	JME
Diesel Range Organics (DRO)	1300	92		mg/Kg	10	11/16/2016 12:15:33 P	M 28686
Motor Oil Range Organics (MRO)	620	460		mg/Kg	10	11/16/2016 12:15:33 PI	M 28686
Surr: DNOP	0	70-130	S	%Rec	10	11/16/2016 12:15:33 PI	M 28686
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	2100	99		mg/Kg	20	11/16/2016 11:54:43 Al	M 28653
Surr: BFB	412	68.3-144	S	%Rec	20	11/16/2016 11:54:43 Al	M 28653
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.49		mg/Kg	20	11/16/2016 11:54:43 Al	M 28653
Toluene	ND	0.99		mg/Kg	20	11/16/2016 11:54:43 Al	M 28653
Ethylbenzene	ND	0.99		mg/Kg	20	11/16/2016 11:54:43 Al	M 28653
Xylenes, Total	51	2.0		mg/Kg	20	11/16/2016 11:54:43 Al	M 28653
Surr: 4-Bromofluorobenzene	128	80-120	S	%Rec	20	11/16/2016 11:54:43 AI	M 28653

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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611721

23-Nov-16

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID MB-28786

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 28786

RunNo: 38900

Prep Date: 11/21/2016

Analysis Date: 11/21/2016

PQL

SeqNo: 1215934

Units: mg/Kg

Qual

Analyte

Result

SPK value SPK Ref Val

%REC LowLimit

HighLimit

%RPD **RPDLimit**

Chloride

ND 1.5

Sample ID LCS-28786

LCSS

SampType: LCS Batch ID: 28786

PQL

TestCode: EPA Method 300.0: Anions RunNo: 38900

Client ID: Prep Date: 11/21/2016

Analysis Date: 11/21/2016

SeqNo: 1215935

Units: mg/Kg

SPK value SPK Ref Val %REC

%RPD

Qual

Chloride

14

Result

1.5

15.00

92.9

HighLimit 110 **RPDLimit**

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

S % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

Value above quantitation range E

Analyte detected below quantitation limits J

Page 2 of 6

P Sample pH Not In Range

Reporting Detection Limit RL Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611721

23-Nov-16

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID MB-28783

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID:

PBS

Batch ID: 28783

RunNo: 38917

Units: mg/Kg

Prep Date:

Analysis Date: 11/22/2016

SeqNo: 1216381

RPDLimit

Analyte

11/21/2016

POL SPK value SPK Ref Val

%REC LowLimit

HighLimit

%RPD

Qual

Petroleum Hydrocarbons, TR

Result ND

20

SampType: LCS

TestCode: EPA Method 418.1: TPH

Sample ID LCS-28783

Prep Date:

Analyte

Client ID: LCSS

11/21/2016

Batch ID: 28783

RunNo: 38917

Units: mg/Kg

Analysis Date: 11/22/2016 Result PQL

SeqNo: 1216382

HighLimit

RPDLimit Qual

Petroleum Hydrocarbons, TR

110

20

SPK value SPK Ref Val %REC LowLimit 111

80.7 121

Sample ID LCSD-28783

SampType: LCSD

RunNo: 38917

TestCode: EPA Method 418.1: TPH

Client ID: LCSS02 Prep Date: 11/21/2016

Batch ID: 28783

110

Analysis Date: 11/22/2016

SeqNo: 1216383

Units: mg/Kg

Qual

Result PQL

SPK value SPK Ref Val %REC LowLimit

80.7

HighLimit

%RPD

%RPD

RPDLimit

Petroleum Hydrocarbons, TR

20

100.0

100.0

0 113

121

1.19

20

Qualifiers:

R

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Η

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits S % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Reporting Detection Limit Sample container temperature is out of limit as specified Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611721

23-Nov-16

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID MB-28682

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

Batch ID: 28682

PQL

RunNo: 38735

Units: %Rec

Prep Date: 11/15/2016

Analysis Date: 11/16/2016

SeqNo: 1210301

%REC

HighLimit

Analyte

Result

SPK value SPK Ref Val

%RPD

Qual

Surr: DNOP

8.0

LowLimit

Sample ID LCS-28682

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

LCSS

Batch ID: 28682

RunNo: 38735

130

Prep Date: 11/15/2016

Analysis Date: 11/16/2016 PQL

SeqNo: 1210302

Units: %Rec

%RPD

RPDLimit

Analyte

4.2

SPK value SPK Ref Val

%REC LowLimit 83.4

HighLimit

RPDLimit Qual

Surr: DNOP

SampType: MBLK

5.000

TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID MB-28686

Client ID: PBS

RunNo: 38735

Prep Date: 11/15/2016

Batch ID: 28686 Analysis Date: 11/16/2016

SeqNo: 1210466

Units: mg/Kg

Analyte

Result PQL ND

ND

7.8

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** Qual

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

10 50

10.00

77.9

70 130

Sample ID LCS-28686

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

%RPD

Surr: DNOP

Client ID: LCSS

Batch ID: 28686

RunNo: 38735

Prep Date: 11/15/2016

Analysis Date: 11/16/2016 PQL

10

SeqNo: 1210467

Units: mg/Kg

RPDLimit

Page 4 of 6

Qual

Analyte Diesel Range Organics (DRO)

Surr: DNOP

Result 45

4.1

50.00 5.000

SPK value SPK Ref Val

%REC 90.9 81.4

62.6 70

LowLimit

124 130

HighLimit

Qualifiers:

H

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Not Detected at the Reporting Limit ND RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- P Sample pH Not In Range RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Analyte detected below quantitation limits

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611721

23-Nov-16

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID MB-28653	SampType: MBLK			Tes	е					
Client ID: PBS	Batch	1D: 28	653	F	RunNo: 3	8746				
Prep Date: 11/14/2016	Analysis D	ate: 11	1/16/2016	8	SeqNo: 1	210935	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.2	68.3	144			
Sample ID LCS-28653	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range									

Sample ID LCS-28653	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch	ID: 28	653	F	tunNo: 3	8746				
Prep Date: 11/14/2016	Analysis D	ate: 11	1/16/2016	8	SeqNo: 1	210936	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.0	74.6	123			
Surr: BFB	880		1000		88.2	68.3	144			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Value above quantitation range

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1611721 23-Nov-16

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Result

Sample ID MB-28653

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

PBS

Batch ID: 28653

PQL

RunNo: 38746

Client ID:

Units: mg/Kg

Prep Date: 11/14/2016

Analysis Date: 11/16/2016

SeqNo: 1210951

HighLimit %RPD **RPDLimit** Qual

RPDLimit

Qual

Analyte Benzene Toluene Ethylbenzene

0.025 ND ND 0.050 0.050 ND Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.98

1.000

SPK value SPK Ref Val %REC LowLimit

80 120

Sample ID LCS-28653

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

%RPD

Client ID: LCSS

Batch ID: 28653

RunNo: 38746

97.7

Prep Date: 11/14/2016

Analysis Date: 11/16/2016

SeqNo: 1210952

Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Benzene	1.0	0.025	1.000	0	101	75.2	115
Toluene	0.97	0.050	1.000	0	96.6	80.7	112
Ethylbenzene	0.93	0.050	1.000	0	93.5	78.9	117
Xylenes, Total	2.8	0.10	3.000	0	93.3	79.2	115
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit

R RPD outside accepted recovery limits % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

E

Value above quantitation range J Analyte detected below quantitation limits

Page 6 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified



ruui Environmentai Anaiysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name:	Animas Environmental	Work Order Numb	per: 1611721		RcptNo:	1
Received by/d	ate: AT	11/15/16				
Logged By:	Lindsay Mangin	11/15/2016 7:50:00	AM	July Hogo		
Completed By	: Lindsay Mangin	11/15/2016 8:50:20	AM	Stranday Allyngo		
Reviewed By:	at	11/15/16		000		
Chain of Cu	stody				****	
1. Custody s	eals intact on sample bottles?		Yes 🗌	No 🗆	Not Present	
2. Is Chain o	f Custody complete?		Yes 🗸	No 🗌	Not Present	
3. How was t	the sample delivered?		Courier			
Log In						
	ttempt made to cool the samp	les?	Yes 🗹	No 🗆	NA 🗆	
5. Were all s	amples received at a tempera	ture 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 to	est(s)?	Yes 🗹	No 🗆		
8. Are sample	es (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌		
9. Was prese	ervative added to bottles?		Yes	No 🗹	NA 🗆	
10.VOA vials	have zero headspace?		Yes	No 🗆	No VOA Vials	
	sample containers received b	roken?	Yes	No 🗹		
					# of preserved bottles checked	
	erwork match bottle labels? repancies on chain of custody	1	Yes 🗹	No 🗆	for pH: (<2 c	r >12 unless noted)
	es correctly identified on Chair		Yes 🗹	No 🗆	Adjusted?	
	what analyses were requested		Yes 🗹	No 🗆		
	olding times able to be met? fy customer for authorization.)		Yes 🗹	No 🗆	Checked by:	
Special Har	ndling (if applicable)					
16. Was client	notified of all discrepancies w	ith this order?	Yes 🗌	No 🗆	NA ☑	
Pers	on Notified:	Date				
	Vhom:	Via:	eMail	Phone Fax	☐ In Person	
	arding:					
	nt Instructions:					
17. Additional	remarks:					
18. Cooler In Cooler	No Temp °C Condition	Seal Intact Seal No Yes	Seal Date	Signed By		

Animas ress: 505-564- x#: rage:	604 W Farming 2281 clamema	Pinon St. gton, NM 87401	Project Name: COPC SAN Project #:	□ Rush	1 12 1		490)1 H	AI	ALL VAI www.h	YS nallen	I viron	LA men	BC tal.co	OR/	AT		
505-564 x#: :age:	Farming 2281 clamema	gton, NM 87401	Project Name: COPC SAN Project #:	I JUAN 28-6	UNIT 127N		490)1 H	٧	ww.l	nallen	viron	men	tal.co	m			
505-564 x#: :age:	Farming 2281 clamema	gton, NM 87401	Project #:	JUAN 28-6	UNIT 127N		490)1 H								109		
x#: age:	Farming 2281 clamema	gton, NM 87401	Project #:			ſ	700		MARIZII									
x#: age:	2281 clamema						Te	1 50		5-397				-345				
x#: age:	clamema	n@animasenvironmental.c						1. 50	0-04		analy:				7107		THE	(A) (C)
age:		The state of the s	Project Manag	er:							T	T	T					
1			· · · · · · · · · · · · · · · · · · ·		n/ E. McNally													
n:		☐ Level 4 (Full Validation)			,													
			Sampler: CL/S	G G		1		- 1										
	□ Other		On Ice.	¥ Yes	□ No	1												9
pe)			Sample Temp	erature 2.0	-CF-1.0 = 1.0		-		0.0							- 1		þ
Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	1 1	- EPA	TPH - 8015	- 1									Air Bubbles (Y or N)
10:45	SOIL	BGT S-1 @ 3.5	1 - 4 oz.	cool	-001	X	Х	Х	x	\top		1						\uparrow
						П				\top	\top	\top	T				\dashv	\top
						П		\neg	\dashv	\top	\top	+				\neg	\dashv	
						Н			-	+	+	+	\vdash	-	\vdash	\dashv	-	+
						Н			\dashv	_	+	+	-			-	\dashv	+
	_					\vdash			_	+		+	\vdash		\vdash		\dashv	+
										\top	\top	\top						\top
												\top					\exists	
Time: 1760 Time: 1820	An	an John A	Received by:	lat)	Date Time	WO Sup USE Area	#21 ervis ERID a: 7	773 or: E : KA	118 Frin W	Vycko	ff							
	Time 10:45	Time Matrix 10:45 SOIL Fime: Relinquisher Relinquisher Relinquisher	Time Matrix Sample Request ID 10:45 SOIL BGT S-1 @ 3.5 Fime: Relinquished by: 1760 Aman Substantial Control of the control	Time Matrix Sample Request ID Container Type and # 10:45 SOIL BGT S-1 @ 3.5 1 - 4 oz. Fime: Relinquished by: Received by: Received by:	Time Matrix Sample Request ID Container Type and # Preservative Type 10:45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool Fime: Relinquished by: Received by: Received by:	Time Matrix Sample Request ID Container Type and # Preservative Type and # HEAL No.	Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No.	Time Matrix Sample Request ID Container Type and # Preservative Type and # Preservative HEAL No. 10.45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool - 0.1 X X X X 10.45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool - 0.1 X X X X 10.45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool - 0.1 X X X X X X X X X X X X X X X X X X X	Time Matrix Sample Request ID Container Type and # Preservative Type ID	Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No. 100 000 000 000 000 000 000 000 000 00	Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No. 10 10 10 10 10 10 10 1	Time Matrix Sample Request ID Container Type and # Preservative Type and # HEAL No. 10:45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool	Time Matrix Sample Request ID Container Type and # Preservative Type and # HEAL No. Type Type and # HEAL No. Type Type and # Type Type and # HEAL No. Type Type Type and # HEAL No. Type Type Type Type Type Type Type Type	Time Matrix Sample Request ID Container Type and # Preservative Type A Type Type Type Type Type Type Type Type	Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No. 10.45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool Coo	Time Matrix Sample Request ID Container Type and # Preservative Type Type Advanced By: 10:45 SOIL BGT S-1 @ 3.5 1 - 4 oz. Cool Coll X X X X X X X X X	Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No. 10:45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool — O) X X X X X X X X X X X X X X X X X X	Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No. 10.45 SOIL BGT S-1 @ 3.5 1 - 4 oz. cool



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

December 29, 2016

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

FAX

RE: CoP San Juan 28-6 Unit 127N

OrderNo.: 1612945

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/17/2016 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

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1612945

Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-3

Project: CoP San Juan 28-6 Unit 127N

Collection Date: 12/12/2016 12:16:00 PM

Lab ID: 1612945-001

Matrix: SOIL

Received Date: 12/17/2016 7:45:00 AM

Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst:	MAB
Petroleum Hydrocarbons, TR	25	19	mg/Kg	1	12/23/2016	29326
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	46	30	mg/Kg	20	12/28/2016 1:24:16 AM	29418
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	3			Analyst:	TOM
Diesel Range Organics (DRO)	28	9.1	mg/Kg	1	12/23/2016 12:32:41 AM	29308
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/23/2016 12:32:41 AM	29308
Surr: DNOP	93.2	70-130	%Rec	1	12/23/2016 12:32:41 AM	29308
EPA METHOD 8015D: GASOLINE RANG	SE .				Analyst:	NSB
Gasoline Range Organics (GRO)	7.1	4.8	mg/Kg	1	12/22/2016 3:58:50 AM	29302
Surr: BFB	112	68.3-144	%Rec	1	12/22/2016 3:58:50 AM	29302
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	12/22/2016 3:58:50 AM	29302
Toluene	ND	0.048	mg/Kg	1	12/22/2016 3:58:50 AM	29302
Ethylbenzene	ND	0.048	mg/Kg	1	12/22/2016 3:58:50 AM	29302
Xylenes, Total	0.52	0.096	mg/Kg	1	12/22/2016 3:58:50 AM	29302
Surr: 4-Bromofluorobenzene	94.5	80-120	%Rec	1	12/22/2016 3:58:50 AM	29302

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1612945

Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SB-5

CoP San Juan 28-6 Unit 127N Project:

Collection Date: 12/12/2016 12:45:00 PM

1612945-002 Lab ID:

Matrix: SOIL

Received Date: 12/17/2016 7:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	MAB
Petroleum Hydrocarbons, TR	78	19	mg/Kg	1	12/23/2016	29326
EPA METHOD 300.0: ANIONS					Analys	: LGT
Chloride	ND	30	mg/Kg	20	12/28/2016 1:36:40 AM	29418
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analys	: TOM
Diesel Range Organics (DRO)	62	9.8	mg/Kg	1	12/23/2016 12:55:58 A	M 29308
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/23/2016 12:55:58 A	M 29308
Surr: DNOP	90.8	70-130	%Rec	1	12/23/2016 12:55:58 A	M 29308
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/22/2016 4:23:03 AM	29302
Surr: BFB	108	68.3-144	%Rec	1	12/22/2016 4:23:03 AM	29302
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.025	mg/Kg	1	12/22/2016 4:23:03 AM	29302
Toluene	ND	0.049	mg/Kg	1	12/22/2016 4:23:03 AM	29302
Ethylbenzene	ND	0.049	mg/Kg	1	12/22/2016 4:23:03 AM	29302
Xylenes, Total	ND	0.099	mg/Kg	1	12/22/2016 4:23:03 AM	29302
Surr: 4-Bromofluorobenzene	91.9	80-120	%Rec	1	12/22/2016 4:23:03 AM	29302

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 7 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612945

29-Dec-16

Client:

Animas Environmental

Project:

CoP San Juan 28-6 Unit 127N

Result

ND

Sample ID MB-29418

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

Analyte

Chloride

Prep Date: 12/27/2016

Batch ID: 29418 Analysis Date: 12/27/2016 RunNo: 39674

SPK value SPK Ref Val %REC LowLimit

HighLimit

Units: mg/Kg

%RPD **RPDLimit** Qual

Sample ID LCS-29418

Prep Date: 12/27/2016

SampType: LCS

TestCode: EPA Method 300.0: Anions

SeqNo: 1243082

Client ID: LCSS

Batch ID: 29418

PQL

PQL

1.5

RunNo: 39674

Units: mg/Kg

Analyte

Analysis Date: 12/27/2016

SeqNo: 1243083 SPK value SPK Ref Val %REC

LowLimit **HighLimit** **RPDLimit**

Qual

Result

1.5

0

Chloride

94.2

110

%RPD

14

15.00

90

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range E
- Analyte detected below quantitation limits J
- Page 3 of 7

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Client: Animas Environmental

Project: CoP San Juan 28-6 Unit 127N

Sample ID MB-29326 SampType: MBLK TestCode: EPA Method 418.1: TPH

Client ID: PBS Batch ID: 29326 RunNo: 39621

Prep Date: 12/21/2016 Analysis Date: 12/23/2016 SeqNo: 1241002 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Petroleum Hydrocarbons, TR ND 20

Sample ID LCS-29326 SampType: LCS TestCode: EPA Method 418.1: TPH

Client ID: LCSS Batch ID: 29326 RunNo: 39621

Prep Date: 12/21/2016 Analysis Date: 12/23/2016 SeqNo: 1241003 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Petroleum Hydrocarbons, TR 94 20 100.0 0 94.1 80.7 121

Sample ID LCSD-29326 SampType: LCSD TestCode: EPA Method 418.1: TPH

Client ID: LCSS02 Batch ID: 29326 RunNo: 39621

Prep Date: 12/21/2016 Analysis Date: 12/23/2016 SeqNo: 1241004 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Petroleum Hydrocarbons, TR 95 20 100.0 0 95.4 80.7 121 1.37 2

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 7

WO#:

1612945

29-Dec-16

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1612945

29-Dec-16

Client:

Animas Environmental

Project:

CoP San Juan 28-6 Unit 127N

Sample ID LCS-29308	SampTy	/pe: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	Batch ID: 29308 RunNo: 39590								
Prep Date: 12/20/2016	Analysis Da	ate: 12	/22/2016	S	eqNo: 1	240933	3 Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	63.8	116			
Surr: DNOP	4.4		5.000		88.5	70	130			

Sample ID MB-29308	ample ID MB-29308 SampType: MBLK					TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	R	RunNo: 3	9590									
Prep Date: 12/20/2016	Analysis D	ate: 12	2/22/2016	S	SeqNo: 1	240934	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	9.2		10.00		92.4	70	130					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Value above quantitation range Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 1612945

29-Dec-16

Client:

Animas Environmental

Project:

CoP San Juan 28-6 Unit 127N

Sample ID MB-29302 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: **PBS** Batch ID: 29302 RunNo: 39562 Prep Date: 12/20/2016 Analysis Date: 12/21/2016 SeqNo: 1239335 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result PQL LowLimit Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 890 1000 89.0 68.3 144

Sample ID LCS-29302 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 29302 RunNo: 39562 Prep Date: 12/20/2016 Analysis Date: 12/21/2016 SeqNo: 1239336 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte LowLimit Gasoline Range Organics (GRO) 30 5.0 25.00 0 119 74.6 123 Surr: BFB 930 1000 92.6 68.3 144

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Value above quantitation range

Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

1612945 29-Dec-16

Client:

Animas Environmental

Project:

CoP San Juan 28-6 Unit 127N

Result

Sample ID MB-29302

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

LowLimit

80

Client ID:

Batch ID: 29302

PQL

RunNo: 39562

Prep Date: 12/20/2016

Analysis Date: 12/21/2016

SeqNo: 1239374

%REC

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

RPDLimit

Qual

WO#:

Benzene Toluene Ethylbenzene

Analyte

ND 0.025 0.050 ND ND 0.050 ND 0.10

Xylenes, Total Surr: 4-Bromofluorobenzene

0.96 1.000 95 9

120

Sample ID LCS-29302

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

%RPD

Client ID:

LCSS

Batch ID: 29302

RunNo: 39562

Prep Date:

12/20/2016

Analysis Date: 12/21/2016

SPK value SPK Ref Val

SeqNo: 1239375

Units: mg/Kg

Analyte	
Benzene	
Toluene	
Ethylbenzene	

SPK value SPK Ref Val %REC Result PQL LowLimit HighLimit 1.1 0.025 1.000 0 107 75.2 115 0.050 1.0 1.000 0 100 80.7 112 78.9 0.96 0.050 1.000 0 96.2 117 2.8 0 79.2 0.10 3.000 93.3 115 Xylenes, Total 0.87 Surr: 4-Bromofluorobenzene 1.000 86.6 80 120

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank В

E Value above quantitation range

Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 7 of 7



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

Client Name: Animas Environmental Work Order N	umber: 1612945		RcptNo: 1	
Desired butters	/,,			
Received by/date: 171171	1.6	the fall on		ĺ
Logged By: Lindsay Mangín 12/17/2016 7:45		Committee of the same		
Completed By: Lindsay Mangin 12/17/2016 8:39	06 AM	Street of House		
Reviewed By: JK	114			
Chain of Custody	(
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			
Log 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	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 []	
10.VOA vials have zero headspace?	Yes [No 🗔	No VOA Vials	
11. Were any sample containers received broken?	Yes	No 🗸		
The second secon			# of preserved bottles checked	
12.Does paperwork match bottle labels?	Yes 🗸	No 🗔	for pH:	
(Note discrepancies on chain of custody)	V	No 🖂	(<2 or	>12 unless noted)
13. Are matrices correctly identified on Chain of Custody? 14. Is it clear what analyses were requested?	Yes ✓	No		
15. Were all holding times able to be met?	Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)				
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this order?	Yes []	No [NA ₩	
Person Notified:	Date:			
By Whom:	/ia: [] eMail [] F	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		
1 21 Good Yes				

Ch	ain-o	f-Cus	tody Record	Turn-Around T	ime:			١.			н	ΑI		=N	VT	RO	N	ME	NT	ΔΙ	
nt:	Animas	Enviror	nmental Services, LLC	X Standard	□ Rush			- [_									\TC		
				Project Name:												nenta					
ling Add	dress:	604 W	Pinon St.	COPC SAN	JUAN 28-6	UNIT 127N			49	от н						rque			09		
			gton, NM 87401	Project #:							5-34					505-3					
ne #:	505-564		gion, ruin or non											-		que	The state of the s		11		
ail or Fa		****	n@animasenvironmental.c	Project Manag	er:																\Box
QC Pack	kage:	-		1	C. Lameman	/ E. McNally											- 1				
Standar	d		□ Level 4 (Full Validation)																		
reditation	on:			Sampler: CL/S																	
VELAP		□ Other		On Ice:	1/	□ No										1					Ê
EDD (Ty	/pe)	ī		Sample Temp	erature://			_	418.1		300.0										Ö
				Comtaines				8021B	A 41	15) se
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.			EPA	-8015	ides										g
				,,		161294	1	BTEX	TPH	TPH	Chlorides										Air Bubbles (Y or N)
/12/16	12:16	SOIL	SB-3	2 - 4 oz.	cool	-001	1.	Х	Х	X	Х							\neg		十	\uparrow
/12/16	12:45	SOIL	SB-5	2 - 4 oz.	cool	- 00Z		х	Х	Х	Х							\neg	\top	十	
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Telly	1804	hr	stuballer		12/	17/16 0745				by: I	3obb	y Sp	earm	an							
1 1	necessary,	semples subn	nitted to Hall Environmental be sui	ocontracted to other a	ccredited laborator	ies. This as no	tice of	this		1.	sub-	contra	cted da	ata	be			on the	analyti	cal rep	ort.



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

OrderNo.: 1703B58

March 24, 2017

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

FAX

RE: COPC San Juan 28-6 Unit 127N

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/23/2017 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

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1703B58

Date Reported: 3/24/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1

COPC San Juan 28-6 Unit 127N Project:

Collection Date: 3/17/2017 10:00:00 AM

Lab ID: 1703B58-001 Matrix: MEOH (SOIL) Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	том
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/23/2017 9:52:19 AM	30857
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/23/2017 9:52:19 AM	30857
Surr: DNOP	110	70-130	%Rec	1	3/23/2017 9:52:19 AM	30857
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	2.8	mg/Kg	1	3/23/2017 10:59:26 AM	G41606
Surr: BFB	93.1	54-150	%Rec	1	3/23/2017 10:59:26 AM	G41606
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.014	mg/Kg	1	3/23/2017 10:59:26 AM	R41606
Toluene	ND	0.028	mg/Kg	1	3/23/2017 10:59:26 AM	R41606
Ethylbenzene	ND	0.028	mg/Kg	1	3/23/2017 10:59:26 AM	R41606
Xylenes, Total	ND	0.056	mg/Kg	1	3/23/2017 10:59:26 AM	R41606
Surr: 4-Bromofluorobenzene	104	66.6-132	%Rec	1	3/23/2017 10:59:26 AM	R41606

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1703B58

Date Reported: 3/24/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-10

COPC San Juan 28-6 Unit 127N Project:

Collection Date: 3/22/2017 9:22:00 AM

Lab ID: 1703B58-002 Matrix: MEOH (SOIL) Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	S			Analyst	том
Diesel Range Organics (DRO)	12	9.7	mg/Kg	1	3/23/2017 10:14:30 AM	30857
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/23/2017 10:14:30 AM	30857
Surr: DNOP	113	70-130	%Rec	1	3/23/2017 10:14:30 AM	30857
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	NSB
Gasoline Range Organics (GRO)	7.0	2.9	mg/Kg	1	3/23/2017 11:22:03 AM	G41606
Surr: BFB	146	54-150	%Rec	1	3/23/2017 11:22:03 AM	G41606
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.015	mg/Kg	1	3/23/2017 11:22:03 AM	R41606
Toluene	ND	0.029	mg/Kg	1	3/23/2017 11:22:03 AM	R41606
Ethylbenzene	ND	0.029	mg/Kg	1	3/23/2017 11:22:03 AM	R41606
Xylenes, Total	0.12	0.059	mg/Kg	1	3/23/2017 11:22:03 AM	R41606
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	3/23/2017 11:22:03 AM	R41606

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 5 J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703B58

24-Mar-17

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID	MB-30857

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

Batch ID: 30857

PQL

RunNo: 41593

%RPD

PBS

Units: mg/Kg

Prep Date: 3/23/2017 Analyte

Analysis Date: 3/23/2017

SeqNo: 1304737 %REC

HighLimit

RPDLimit Qual

Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)

Surr: DNOP

ND 10 ND 50

SPK value SPK Ref Val

107 70

LowLimit

Batch ID: 30857

10.00

130

Sample ID LCS-30857 SampType: LCS Client ID: LCSS

11

Result

RunNo: 41593

TestCode: EPA Method 8015M/D: Diesel Range Organics

116

Prep Date: 3/23/2017

Analysis Date: 3/23/2017

SeqNo: 1304744

Units: mg/Kg

Analyte Diesel Range Organics (DRO)

SPK value SPK Ref Val Result PQL 50.00 50 10

%REC LowLimit 100

HighLimit

%RPD **RPDLimit** Qual

Surr: DNOP

LCSS

5.2

5.000

104 TestCode: EPA Method 8015M/D: Diesel Range Organics

70 130

Sample ID LCS-30846

SampType: LCS Batch ID: 30846

RunNo: 41593

63.8

Prep Date: 3/22/2017 Analyte

Client ID:

Result

Analysis Date: 3/23/2017

SeqNo: 1305627 SPK value SPK Ref Val %REC

LowLimit HighLimit

Units: %Rec

RPDLimit

Qual

Qual

Surr: DNOP Sample ID MB-30846

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: Prep Date:

3/22/2017

PBS

Batch ID: 30846

PQL

PQL

Analysis Date: 3/23/2017

5.000

RunNo: 41593 SeqNo: 1305628

Units: %Rec

%RPD

Page 3 of 5

Analyte

Result 11 SPK value SPK Ref Val

%REC

LowLimit

%RPD

RPDLimit

Surr: DNOP

10.00

105

70

HighLimit 130

Qualifiers:

ND

S

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

Not Detected at the Reporting Limit R RPD outside accepted recovery limits

- В Analyte detected in the associated Method Blank
- Value above quantitation range E
- Analyte detected below quantitation limits
- P Sample pH Not In Range

- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703B58

24-Mar-17

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

54

Client ID: **PBS** Batch ID: **G41606**

RunNo: 41606

%REC

Prep Date: Analyte

Analysis Date: 3/23/2017

PQL

5.0

SeqNo: 1305565

Units: mg/Kg

150

Qual

Gasoline Range Organics (GRO)

Result ND 910

1000

SPK value SPK Ref Val

SPK value SPK Ref Val

HighLimit

RPDLimit

Surr: BFB

TestCode: EPA Method 8015D: Gasoline Range

91.2

Sample ID 2.5UG GRO LCS

SampType: LCS

RunNo: 41606

Client ID: LCSS Batch ID: **G41606**

Prep Date: Analyte

Analysis Date: 3/23/2017

PQL

SeqNo: 1305566

Units: mg/Kg **HighLimit**

Gasoline Range Organics (GRO)

27

Result

25.00

0 109

LowLimit

125

RPDLimit Qual

Page 4 of 5

Surr: BFB

5.0 1000 1000

99.6

%REC

54

150

%RPD

%RPD

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits T
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703B58

24-Mar-17

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID RB	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch	ID: R4	1606	F	RunNo: 41606					
Prep Date:	Analysis D	ate: 3/	23/2017	S	SeqNo: 1	305574	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		112	66.6	132			

Sample ID 100NG BTEX LC	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: R4	1606	F	RunNo: 4	1606				
Prep Date:	Analysis [Date: 3/	23/2017	8	SeqNo: 1	305575	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	66.6	132			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 5



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

Client Name: Animas Environme	ental Work Order Numb	er: 1703B58		RcptNo:	1
Received by/date:	03 2317				
Logged By: Lindsay Mangin	3/23/2017 7:20:00 A	М	July Hago		į
Completed By: Lindşay Mangin	3/23/2017 8:27:05 A	М	Andy Hago		
Reviewed By:	03/23/17				
Chain of Custody	/ /				
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			
Log In					
4. Was an attempt made to cool th	e samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a t	emperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper container(s)	?	Yes 🗹	No 🗆		
7. Sufficient sample volume for indi	icated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and C	NG) properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottle	es?	Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace	7	Yes	No 🗆	No VOA Vials	
11. Were any sample containers rec	eived broken?	Yes	No 🗹	# of preserved	
				bottles checked	
 Does paperwork match bottle lat (Note discrepancies on chain of 		Yes 🗹	No □	for pH: (<2 o	r >12 unless noted)
13. Are matrices correctly identified	• •	Yes 🗸	No 🗆	Adjusted?	
14. Is it clear what analyses were re-	1	Yes 🗹	No 🗆		
15. Were all holding times able to be (If no, notify customer for authori		Yes 🗹	No 🗆	Checked by:	
Special Handling (If applicat	ole)				
16. Was client notified of all discrepa	ncies with this order?	Yes 🗌	No 🗆	NA 🗹	1
Person Notified:	Date		AADEMA (80 A MINISTER) - 11 A MINISTER		
By Whom:	Via:	eMail	Phone Fax	In Person	
Regarding:	TO SECULATE A SECULATION OF THE PARTY OF THE	CTV STANCES AND STANCES OF AND			
Client Instructions:					1
17. Additional remarks:					
18. <u>Cooler Information</u> <u>Cooler No Temp °C Cordination</u> 1 1.7 Good	Yes Yes	Seal Date	Signed By		

Ch	Chain-of-Custody Record			Turn-Around 1	ime:							-		n					
Client:	Animas	s Enviro	nmental Services, LLC	LI Standard	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner,	Same Day					IAL								
				Project Name:			- 4				ww.ha								
Mailing Ad	dress:	604 W	Pinon St.	COPC SAN	N JUAN 28-6	UNIT 127N		49	01 Ha		s NE						109		
		Farmin	gton, NM 87401	Project #:							-3975				345-				
Phone #:	505-564							Analysis Request											
Email or Fa			n@animasenvironmental.c	Project Manag	jer:					Т		T						Т	\Box
QA/QC Package:			☐ Level 4 (Full Validation)		C. Lamema	n/ E. McNally		(O											
Accreditati			Level + (Full Validation)					/MF											
□ NELAP	on.	□ Other		Sampler: CL On ice:	D Yes	□ No		8											
□ EDD (T	ype)			Sample Temp	The state of the s	4		0/0											[Z]
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - 8015 (GRO/DRO/MRO)											Air Bubbles (Y or N)
3/17/17	10:00	Soil	SC-1	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-001	Х	X									\top		
3/22/17	9:22	Soil	SC-10	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-002	X	X								\top	\top	\top	
																		T	
																		T	
										_								\perp	
										4							\perp		
										1						_	\dashv	\perp	\perp
Date:	Time:	Relinquishe	ilu-	Received by: Received by:	Jalt	Date Time 3/22/17 1630	WO Sup	#10 ervis	3988 or: R	81	noco i Smith	Phillip	30						
122/17	1824	1	stufibets	B	Date Time Are			a: 7 ered	by: L	isa H	unter								



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

March 27, 2017

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

FAX

RE: COPC San Juan 28-6 Unit 127N

OrderNo.: 1703B61

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 7 sample(s) on 3/23/2017 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

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1703B61

Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-2

Project: COPC San Juan 28-6 Unit 127N

Collection Date: 3/22/2017 8:40:00 AM

Lab ID: 1703B61-001

Matrix: MEOH (SOIL)

Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	18	9.5	mg/Kg	1	3/24/2017 1:03:08 PM	30871
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/24/2017 1:03:08 PM	30871
Surr: DNOP	90.0	70-130	%Rec	1	3/24/2017 1:03:08 PM	30871
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	3.7	3.2	mg/Kg	1	3/23/2017 7:57:09 PM	30837
Surr: BFB	117	54-150	%Rec	1	3/23/2017 7:57:09 PM	30837
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	3/23/2017 7:57:09 PM	30837
Toluene	ND	0.032	mg/Kg	1	3/23/2017 7:57:09 PM	30837
Ethylbenzene	ND	0.032	mg/Kg	1	3/23/2017 7:57:09 PM	30837
Xylenes, Total	0.44	0.063	mg/Kg	1	3/23/2017 7:57:09 PM	30837
Surr: 4-Bromofluorobenzene	104	66.6-132	%Rec	1	3/23/2017 7:57:09 PM	30837

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/27/2017

CLIENT: Animas Environmental Client Sample ID: SC-3

 Project:
 COPC San Juan 28-6 Unit 127N
 Collection Date: 3/22/2017 10:57:00 AM

 Lab ID:
 1703B61-002
 Matrix: MEOH (SOIL)
 Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/24/2017 4:16:42 PM	30871
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/24/2017 4:16:42 PM	30871
Surr: DNOP	88.5	70-130	%Rec	1	3/24/2017 4:16:42 PM	30871
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.0	mg/Kg	1	3/23/2017 8:23:28 PM	30837
Surr: BFB	93.0	54-150	%Rec	1	3/23/2017 8:23:28 PM	30837
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.015	mg/Kg	1	3/23/2017 8:23:28 PM	30837
Toluene	ND	0.030	mg/Kg	1	3/23/2017 8:23:28 PM	30837
Ethylbenzene	ND	0.030	mg/Kg	1	3/23/2017 8:23:28 PM	30837
Xylenes, Total	ND	0.059	mg/Kg	1	3/23/2017 8:23:28 PM	30837
Surr: 4-Bromofluorobenzene	102	66.6-132	%Rec	1	3/23/2017 8:23:28 PM	30837

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client Sample ID: SC-4

Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

 Project:
 COPC San Juan 28-6 Unit 127N
 Collection Date: 3/17/2017 11:20:00 AM

 Lab ID:
 1703B61-003
 Matrix: MEOH (SOIL)
 Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	11	9.2	mg/Kg	1	3/24/2017 4:44:48 PM	30871
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/24/2017 4:44:48 PM	30871
Surr: DNOP	91.1	70-130	%Rec	1	3/24/2017 4:44:48 PM	30871
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.0	mg/Kg	1	3/23/2017 8:49:41 PM	30837
Surr: BFB	97.1	54-150	%Rec	1	3/23/2017 8:49:41 PM	30837
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.015	mg/Kg	1	3/23/2017 8:49:41 PM	30837
Toluene	ND	0.030	mg/Kg	1	3/23/2017 8:49:41 PM	30837
Ethylbenzene	ND	0.030	mg/Kg	1	3/23/2017 8:49:41 PM	30837
Xylenes, Total	ND	0.060	mg/Kg	1	3/23/2017 8:49:41 PM	30837
Surr: 4-Bromofluorobenzene	104	66.6-132	%Rec	1	3/23/2017 8:49:41 PM	30837

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/27/2017

CLIENT: Animas Environmental

Client Sample ID: SC-5

Project: COPC San Juan 28-6 Unit 127N

Collection Date: 3/17/2017 11:25:00 AM

Lab ID: 1703B61-004

Received Date: 3/23/2017 7:20:00 AM Matrix: MEOH (SOIL)

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	260	10	mg/Kg	1	3/24/2017 5:12:47 PM	30871
Motor Oil Range Organics (MRO)	61	50	mg/Kg	1	3/24/2017 5:12:47 PM	30871
Surr: DNOP	86.4	70-130	%Rec	1	3/24/2017 5:12:47 PM	30871
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	440	33	mg/Kg	10	3/23/2017 9:15:56 PM	30837
Surr: BFB	529	54-150	S %Rec	10	3/23/2017 9:15:56 PM	30837
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.17	mg/Kg	10	3/23/2017 9:15:56 PM	30837
Toluene	ND	0.33	mg/Kg	10	3/23/2017 9:15:56 PM	30837
Ethylbenzene	ND	0.33	mg/Kg	10	3/23/2017 9:15:56 PM	30837
Xylenes, Total	14	0.66	mg/Kg	10	3/23/2017 9:15:56 PM	30837
Surr: 4-Bromofluorobenzene	119	66.6-132	%Rec	10	3/23/2017 9:15:56 PM	30837

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1703B61

Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-7

Project: COPC San Juan 28-6 Unit 127N

Collection Date: 3/22/2017 8:59:00 AM

Lab ID: 1703B61-005

Matrix: MEOH (SOIL) Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/24/2017 5:41:21 PM	30871
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/24/2017 5:41:21 PM	30871
Surr: DNOP	88.6	70-130	%Rec	1	3/24/2017 5:41:21 PM	30871
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	3/23/2017 4:03:10 PM	G41606
Surr: BFB	94.7	54-150	%Rec	1	3/23/2017 4:03:10 PM	G41606
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	3/23/2017 4:03:10 PM	R41606
Toluene	ND	0.032	mg/Kg	1	3/23/2017 4:03:10 PM	R41606
Ethylbenzene	ND	0.032	mg/Kg	1	3/23/2017 4:03:10 PM	R41606
Xylenes, Total	0.24	0.064	mg/Kg	1	3/23/2017 4:03:10 PM	R41606
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	3/23/2017 4:03:10 PM	R41606

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Client Sample ID: SC-8

 Project:
 COPC San Juan 28-6 Unit 127N
 Collection Date: 3/22/2017 9:15:00 AM

 Lab ID:
 1703B61-006
 Matrix: MEOH (SOIL)
 Received Date: 3/23/2017 7:20:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANIC	S				Analyst	: MAB
Diesel Range Organics (DRO)	92	9.5		mg/Kg	1	3/24/2017 6:09:21 PM	30871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/24/2017 6:09:21 PM	30871
Surr: DNOP	113	70-130		%Rec	1	3/24/2017 6:09:21 PM	30871
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	390	16		mg/Kg	5	3/23/2017 4:26:31 PM	G41606
Surr: BFB	582	54-150	S	%Rec	5	3/23/2017 4:26:31 PM	G41606
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.079		mg/Kg	5	3/23/2017 4:26:31 PM	R41606
Toluene	0.63	0.16		mg/Kg	5	3/23/2017 4:26:31 PM	R41606
Ethylbenzene	1.1	0.16		mg/Kg	5	3/23/2017 4:26:31 PM	R41606
Xylenes, Total	14	0.32		mg/Kg	5	3/23/2017 4:26:31 PM	R41606
Surr: 4-Bromofluorobenzene	145	66.6-132	S	%Rec	5	3/23/2017 4:26:31 PM	R41606

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 6 of 10
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1703B61 Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-11

COPC San Juan 28-6 Unit 127N Collection Date: 3/22/2017 9:40:00 AM Project:

1703B61-007 Matrix: MEOH (SOIL) Received Date: 3/23/2017 7:20:00 AM Lab ID:

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	41	9.5	mg/Kg	1	3/24/2017 6:37:26 PM	30871
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/24/2017 6:37:26 PM	30871
Surr: DNOP	77.1	70-130	%Rec	1	3/24/2017 6:37:26 PM	30871
EPA METHOD 8015D: GASOLINE RANGE	GE				Analyst	NSB
Gasoline Range Organics (GRO)	49	6.0	mg/Kg	2	3/23/2017 4:49:50 PM	G41606
Surr: BFB	241	54-150	S %Rec	2	3/23/2017 4:49:50 PM	G41606
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.030	mg/Kg	2	3/23/2017 4:49:50 PM	R41606
Toluene	ND	0.060	mg/Kg	2	3/23/2017 4:49:50 PM	R41606
Ethylbenzene	ND	0.060	mg/Kg	2	3/23/2017 4:49:50 PM	R41606
Xylenes, Total	0.79	0.12	mg/Kg	2	3/23/2017 4:49:50 PM	R41606
Surr: 4-Bromofluorobenzene	121	66.6-132	%Rec	2	3/23/2017 4:49:50 PM	R41606

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 10 J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703B61

27-Mar-17

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID	MB-30871
Client ID:	PBS

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 30871 RunNo: 41626

SPK value SPK Ref Val

Prep Date: 3/23/2017 Analysis Date: 3/24/2017

PQL

SeqNo: 1306244

%REC

Units: mg/Kg

%RPD

RPDLimit Qual

Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)

ND 10 ND 50 8.1

Result

10.00

813 70

LowLimit

130

HighLimit

Sample ID LCS-30871

Surr: DNOP

SampType: LCS Batch ID: 30871 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41626

%REC

Client ID: LCSS Prep Date: 3/23/2017

Analysis Date: 3/24/2017

Result

SeqNo: 1306288

Units: mg/Kg HighLimit

%RPD **RPDLimit** Qual

Diesel Range Organics (DRO) Surr: DNOP

PQL SPK value SPK Ref Val 49 10 50.00 4.5 5.000

63.8 97.0 116 130

LowLimit

TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID 1703B61-001AMS

SampType: MS Client ID: SC-2

Batch ID: 30871 RunNo: 41626

46.25

4.625

Units: mg/Kg

HighLimit

Prep Date: 3/23/2017

Surr: DNOP

Surr: DNOP

Analysis Date: 3/24/2017

SeqNo: 1306941

%RPD **RPDLimit** Qual

Analyte Diesel Range Organics (DRO)

Analyte

Result PQL SPK value SPK Ref Val 53 9.2 45.79 3.9 4.579

56

4.3

17.92 76.7 51.6 130 85.7 70 130

LowLimit

Sample ID 1703B61-001AMSD

SampType: MSD

TestCode: EPA Method 8015M/D: Diesel Range Organics

%REC

Client ID: SC-2 Batch ID: 30871

9.3

RunNo: 41626

Units: mg/Kg

%RPD **RPDLimit** Qual 6.01 20

0

Prep Date: 3/23/2017 Analyte Diesel Range Organics (DRO) Analysis Date: 3/24/2017 Result POI

SeqNo: 1306942

SPK value SPK Ref Val %REC LowLimit 17.92 83.0

92.4

51.6 70

130 130

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix S

В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 8 of 10

P Sample pH Not In Range

RI. Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703B61 27-Mar-17

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

54

Client ID:

Batch ID: G41606

PQL

5.0

RunNo: 41606

Prep Date:

Analysis Date: 3/23/2017

SeqNo: 1305565

%RPD

Analyte

Units: mg/Kg

Qual

Gasoline Range Organics (GRO)

ND

SPK value SPK Ref Val

91.2

%REC

HighLimit

RPDLimit

Surr: BFB

910

Result

1000

150

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: G41606

RunNo: 41606

Prep Date:

Analysis Date: 3/23/2017

SeqNo: 1305566

Units: mg/Kg

Analyte

Result

PQL SPK value SPK Ref Val

%REC LowLimit HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

27 1000 5.0 25.00 1000

0 109 99.6 76.4 54

%RPD 125 150

%RPD

Sample ID MB-30837

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 30837

RunNo: 41605

Units: mg/Kg

Analyte

Prep Date: 3/22/2017 Analysis Date: 3/23/2017 PQL

SPK value SPK Ref Val

LowLimit

HighLimit

RPDLimit

Qual

Gasoline Range Organics (GRO)

ND 5.0 980

1000

SPK value SPK Ref Val

%REC 97.8

SeqNo: 1305591

150

Sample ID LCS-30837

SampType: LCS

Batch ID: 30837

PQL

5.0

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

Surr: BFB

LCSS

RunNo: 41605

Analyte

Prep Date: 3/22/2017

Analysis Date: 3/23/2017

SeqNo: 1305592 %REC

Units: mg/Kg

Qual

Page 9 of 10

Gasoline Range Organics (GRO) Surr: BFB

Result 30 1200

Result

25.00 1000

0 119 116 76.4 54

LowLimit

150

HighLimit %RPD **RPDLimit** 125

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- B
- E Value above quantitation range
- P Sample pH Not In Range
- RL Reporting Detection Limit Sample container temperature is out of limit as specified
- Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits

Hall Environmental Analysis Laboratory, Inc.

Client: Animas Environmental

Project: COPC San Juan 28-6 Unit 127N

Sample ID	RB	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles
Client ID:	PBS	Batch ID: R41606	RunNo: 41606

Prep Date: Analysis Date: 3/23/2017 SeqNo: 1305574 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit Benzene ND 0.025 ND 0.050 Toluene Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

1.000 132 Surr: 4-Bromofluorobenzene 112 66.6 1.1

Sample ID 100NG BTEX LCS SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: R41606 RunNo: 41606

Prep Date: Analysis Date: 3/23/2017 SeqNo: 1305575 Units: mg/Kg

Result SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte PQL LowLimit HighLimit 1.0 0.025 1.000 0 102 80 120 Benzene 0.050 1.000 0 102 80 120 1.0 Toluene 0 Ethylbenzene 1.0 0.050 1.000 103 80 120 Xylenes, Total 3.1 0.10 3.000 103 80 120 Surr: 4-Bromofluorobenzene 1.000 66 6 132 1.2 116

Sample ID MB-30837 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 30837 RunNo: 41605

Prep Date: 3/22/2017 Analysis Date: 3/23/2017 SeqNo: 1305611 Units: mg/Kg %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual 0.025 Benzene ND ND 0.050 Toluene ND 0.050 Ethylbenzene Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.1 1.000 108 66.6 132

Sample ID LCS-30837 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 30837 RunNo: 41605

Prep Date: 3/22/2017 Analysis Date: 3/23/2017 SeqNo: 1305612 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.97 0.025 96.5 80 120 Benzene 1.000 0 0.050 0 Toluene 1.0 100 80 1.000 120 Ethylbenzene 1.0 0.050 1.000 0 104 80 120 Xylenes, Total 3.3 0.10 3.000 0 108 80 120 Surr: 4-Bromofluorobenzene 1.000 66.6 1.1 111 132

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank B

E Value above quantitation range

Analyte detected below quantitation limits J

Page 10 of 10

P Sample pH Not In Range RL Reporting Detection Limit

Sample container temperature is out of limit as specified

WO#:

RPDLimit

HighLimit

%RPD

1703B61

27-Mar-17

Qual

Qual



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

Client Name: Animas Environmen	ntal Work Order Number	er: 1703B61		RcptNo:	1
Received by/date:	02/23/17				
Logged By: Lindsay Mangin	3/23/2017 7:20:00 Al	М	of the state of th		
Completed By: Lindsay Mangin	3/23/2017 8:46:Q1 Al	м	And Hope		
Reviewed By:	03 8317	1	000		
Chain of Custody	1 1				
1. Custody seals intact on sample be	ottles?	Yes	No 🗌	Not Present	
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?		Courier			
Log In					
4. Was an attempt made to cool the	samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a te	mperature of >0° C to 6.0°C	Yes 🗹	No 🗔	NA 🗆	
6. Sample(s) in proper container(s)?	,	Yes 🗹	No 🗆		
7. Sufficient sample volume for indic	cated test(s)?	Yes 🗹	No 🗌		
8. Are samples (except VOA and ON	NG) properly preserved?	Yes 🗹	No 🗌		
9. Was preservative added to bottles	\$?	Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace?		Yes 🗌	No 🗆	No VOA Vials	
11. Were any sample containers rece	eived broken?	Yes 🗆	No 🗹	# of preserved bottles checked	
12. Does paperwork match bottle labe (Note discrepancies on chain of co		Yes 🗹	No 🗆	for pH:	r >12 unless noted)
13. Are matrices correctly identified or	n Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
14. Is it clear what analyses were requ	uested?	Yes 🗹	No 🗆		
15. Were all holding times able to be (If no, notify customer for authoriz		Yes 🗹	No 🗌	Checked by:	
Special Handling (if applicable	(e)				
16. Was client notified of all discrepar		Yes	No 🗆	NA 🗹	
Person Notified:	Date		······································		•
By Whom:	Via:	eMail	Phone Fax	☐ In Person	
Regarding:					
Client Instructions:	AND THE PROPERTY OF A CONTROL OF THE PROPERTY			ASSENDADIOSESULAISAUSIKETATION-TALAKINELIIDAKE	: :
17. Additional remarks:					
18. Cooler Information Cooler No Temp °C Conc 1 1.7 Good	Yes Seal Intact Seal No	Seal Date	Signed By		

Chain-of-Custody Record		Turn-Around Time:				HALL ENVIRONMENTAL ANALYSIS LABORATORY															
Client: Animas Environmental Services, LLC		☐ Standard X Rush_3-TAT																			
				Project Name:			www.hallenvironmental.com						•								
Mailing Ad	ailing Address: 604 W Pinon St.			COPC SAN JUAN 28-6 UNIT 127N				4901 Hawkins NE - Albuquerque, NM 87109													
			gton, NM 87401	Project #:					Tel. 505-345-3975 Fax 505-345-4107												
Phone #:	505-564			1											eque		1101			B	
Email or Fa	ax#:	clamema	an@animasenvironmental.	Project Manag	jer:															\neg	٦
QA/QC Pac X Standar	QA/QC Package:			C. Lameman/ E. McNally				(Q													
Accreditati			☐ Level 4 (Full Validation)		,			/WF													
□ NELAP				Sampler: CL / On Ice: Z Yes □ No				JRC													
□ EDD (T	уре)			Sample Temp		COLUMN TO THE REAL PROPERTY OF THE PARTY OF		3O/I													2
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - 8015 (GRO/DRO/MRO)												At Butter W	Air Bubbles (Y or N)
3/22/17	8:40	Soil	SC-2	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-001	X	х													٦
3/22/17	10:57	Soil	SC-3	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-002	х	Х											\forall	\top	
3/17/17	11:20	Soil	SC-4	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-003	х	х											\exists		
3/17/17	11:25	Soil	SC-5	1 - MeOH Kit 1 - 4 oz jar	MeOH	-004	х	χ													
3/22/17	8:59	Soil	SC-7	1 - MeOH Kit 1 - 4 oz iar	Cool MeOH Cool	-005	Х	Х													
3/22/17	9:15	Soil	SC-8	1 - MeOH Kit 1 - 4 oz iar	MeOH Cool MeOH	-006	Х	Χ													
3/22/2017	9:40	Soil	SC-11	1 - MeOH Kit 1 - 4 oz iar	MeOH Cool	-007	Х	Х													
																		_	_	_	_
											_							-	\dashv	+	_
																\vdash		\dashv	\dashv	\dashv	\dashv
Date:	Time:	Relinguish	ert by:	Received by:		Date Time	Ren	narks	: Bil	l to C	ono	o P	hillin	9							4
12 7 Date:	(630) Time:	Cir	- lu	Chut Received by:	Walt	3/22/17 1630 Date Time	WO Sup	# 10	398 or: F	881 Rand	y Sm		, mile								
3/22/07	Date: Time: Resinquished by: 12/7 1824 Mush Late				03/23/17 1770			Area: 7 Ordered by: Lisa Hunter													
If	necessary, s	amples subm	uitled to Hall Environmental may be suf	ocontracted to other a	ocredited laborator	ies. This serves as notice of	this po	ossibili	ty. An	y sub-	contra	cted d	ata wi	li be d	learly r	notated	on the	e analy	tical ne	port	



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

April 03, 2017

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

FAX

RE: COPC San Juan 28 6 Unit 127N

OrderNo.: 1703E72

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/30/2017 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

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1703E72

Date Reported: 4/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Client Sample ID: SC-5

 Project:
 COPC San Juan 28 6 Unit 127N
 Collection Date: 3/29/2017 3:06:00 PM

 Lab ID:
 1703E72-001
 Matrix: MEOH (SOIL)
 Received Date: 3/30/2017 7:30:00 AM

Analyses	Result	PQL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	S			Analys	t: TOM	
Diesel Range Organics (DRO)	26	10	mg/Kg	1	3/31/2017 5:25:21 PM	30996
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/31/2017 5:25:21 PM	30996
Surr: DNOP	115	70-130	%Rec	1	3/31/2017 5:25:21 PM	30996
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	140	16	mg/Kg	5	3/31/2017 1:22:47 AM	G41768
Surr: BFB	212	54-150	S %Rec	5	3/31/2017 1:22:47 AM	G41768
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.078	mg/Kg	5	3/31/2017 1:22:47 AM	B41768
Toluene	1.1	0.16	mg/Kg	5	3/31/2017 1:22:47 AM	B41768
Ethylbenzene	0.33	0.16	mg/Kg	5	3/31/2017 1:22:47 AM	B41768
Xylenes, Total	5.5	0.31	mg/Kg	5	3/31/2017 1:22:47 AM	B41768
Surr: 4-Bromofluorobenzene	105	66.6-132	%Rec	5	3/31/2017 1:22:47 AM	B41768

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 8
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1703E72

Received Date: 3/30/2017 7:30:00 AM

Date Reported: 4/3/2017

3/31/2017 3:08:24 AM

B41768

Hall Environmental Analysis Laboratory, Inc.

1703E72-002

Surr: 4-Bromofluorobenzene

Lab ID:

CLIENT: Animas Environmental Client Sample ID: SC-6

95.3

COPC San Juan 28 6 Unit 127N Collection Date: 3/29/2017 11:40:00 AM Project: Matrix: MEOH (SOIL)

Result **PQL Qual Units DF** Date Analyzed **Batch Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: TOM Diesel Range Organics (DRO) 39 9.6 mg/Kg 3/31/2017 6:32:00 PM 30996 Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 3/31/2017 6:32:00 PM Surr: DNOP 108 %Rec 3/31/2017 6:32:00 PM 30996 70-130 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 3/31/2017 3:08:24 AM Gasoline Range Organics (GRO) 110 3.1 ma/Ka G41768 Surr: BFB 292 54-150 S %Rec 1 3/31/2017 3:08:24 AM G41768 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.015 3/31/2017 3:08:24 AM B41768 mg/Kg 1 Toluene 0.031 ND mg/Kg 3/31/2017 3:08:24 AM B41768 Ethylbenzene ND 0.031 mg/Kg 3/31/2017 3:08:24 AM B41768 Xylenes, Total 2.1 0.062 mg/Kg 3/31/2017 3:08:24 AM B41768 1

66.6-132

%Rec

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

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 8 J
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1703E72

Date Reported: 4/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-8

Project: COPC San Juan 28 6 Unit 127N Collection Date: 3/29/2017 2:15:00 PM

Lab ID: 1703E72-003

Matrix: MEOH (SOIL)

Received Date: 3/30/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	s				Analyst	том
Diesel Range Organics (DRO)	19	10		mg/Kg	1	3/31/2017 6:53:57 PM	30996
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/31/2017 6:53:57 PM	30996
Surr: DNOP	108	70-130		%Rec	1	3/31/2017 6:53:57 PM	30996
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	NSB
Gasoline Range Organics (GRO)	36	3.3		mg/Kg	1	3/31/2017 3:34:45 AM	G41768
Surr: BFB	297	54-150	S	%Rec	1	3/31/2017 3:34:45 AM	G41768
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.017		mg/Kg	1	3/31/2017 3:34:45 AM	B41768
Toluene	0.072	0.033		mg/Kg	1	3/31/2017 3:34:45 AM	B41768
Ethylbenzene	0.10	0.033		mg/Kg	1	3/31/2017 3:34:45 AM	B41768
Xylenes, Total	1.5	0.066		mg/Kg	1	3/31/2017 3:34:45 AM	B41768
Surr: 4-Bromofluorobenzene	94.0	66.6-132		%Rec	1	3/31/2017 3:34:45 AM	B41768

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 8
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1703E72

Date Reported: 4/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-9

Project: COPC San Juan 28 6 Unit 127N

Collection Date: 3/29/2017 11:45:00 AM

Lab ID: 1703E72-004

Matrix: MEOH (SOIL) Received Date: 3/30/2017 7:30:00 AM

Analyses	Result	PQL (Qual U	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S				Analyst	TOM
Diesel Range Organics (DRO)	40	10		mg/Kg	1	3/31/2017 7:15:53 PM	30996
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/31/2017 7:15:53 PM	30996
Surr: DNOP	110	70-130		%Rec	1	3/31/2017 7:15:53 PM	30996
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	360	14		mg/Kg	5	3/31/2017 4:01:14 AM	G41768
Surr: BFB	513	54-150	S	%Rec	5	3/31/2017 4:01:14 AM	G41768
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.072		mg/Kg	5	3/31/2017 4:01:14 AM	B41768
Toluene	ND	0.14		mg/Kg	5	3/31/2017 4:01:14 AM	B41768
Ethylbenzene	ND	0.14		mg/Kg	5	3/31/2017 4:01:14 AM	B41768
Xylenes, Total	10	0.29		mg/Kg	5	3/31/2017 4:01:14 AM	B41768
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	5	3/31/2017 4:01:14 AM	B41768

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 8
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID LCS-30969

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS

Batch ID: 30969

RunNo: 41755

Prep Date:

3/29/2017

Analysis Date: 3/30/2017

SeqNo: 1311683

104

Units: %Rec

%REC Result POL SPK value SPK Ref Val LowLimit

5.000

HighLimit

70

RPDLimit Qual

WO#:

1703E72

03-Apr-17

Analyte Surr: DNOP

Sample ID MB-30969

SampType: MBLK

5.2

10

TestCode: EPA Method 8015M/D: Diesel Range Organics

%RPD

Client ID:

PBS

Batch ID: 30969

RunNo: 41755

130

Prep Date:

3/29/2017

Analysis Date: 3/30/2017

PQL

SeqNo: 1311684

101

Units: %Rec

Analyte

Result

SPK value SPK Ref Val 10.00

%REC LowLimit

HighLimit 70 130 **RPDLimit** Qual

Surr: DNOP

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

%RPD

Sample ID LCS-31008

RunNo: 41755

Client ID: Prep Date: 3/31/2017

LCSS

Batch ID: 31008 Analysis Date: 3/31/2017

PQL

SegNo: 1312226

Units: %Rec

Analyte

Result

SPK value SPK Ref Val %REC

HighLimit

Surr: DNOP

5.000

LowLimit

%RPD

RPDLimit Qual

Sample ID MB-31008

SampType: MBLK

Analysis Date: 3/31/2017

TestCode: EPA Method 8015M/D: Diesel Range Organics

130

Client ID: Prep Date: 3/31/2017

Batch ID: 31008

RunNo: 41755

Units: %Rec

Analyte

Result

SPK value SPK Ref Val %REC

SeqNo: 1312227 LowLimit HighLimit

Qual

11

10.00

%RPD **RPDLimit**

Surr: DNOP

Sample ID 1703E72-001AMS

SampType: MS

26.25

26.25

I

W

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

SC-5

Batch ID: 30996

RunNo: 41755

Analyte

Prep Date: 3/30/2017

Analysis Date: 3/31/2017 Result **PQL**

68

SPK value SPK Ref Val

SeqNo: 1312823 %REC

Units: mg/Kg

Surr: DNOP

4.7

48.50 4.850 86.0 97.0 LowLimit 51.6

HighLimit %RPD

RPDLimit Qual

Diesel Range Organics (DRO)

70 130

130

Sample ID 1703E72-001AMSD Client ID: SC-5

5.4

SampType: MSD Batch ID: 30996

Analysis Date: 3/31/2017

9.7

TestCode: EPA Method 8015M/D: Diesel Range Organics

RunNo: 41755

Analyte Diesel Range Organics (DRO)

Surr: DNOP

Prep Date: 3/30/2017

Result **PQL** 73 9.8 SPK value SPK Ref Val 49.21

4.921

%REC

948

111

SeqNo: 1312824 LowLimit 51.6

70

Sample container temperature is out of limit as specified

Units: mg/Kg HighLimit 130

130

%RPD 6.99

0

RPDLimit Qual 20

0

H

Qualifiers:

Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix

ND Not Detected at the Reporting Limit

Analyte detected in the associated Method Blank B

E Value above quantitation range

Analyte detected below quantitation limits

Page 5 of 8

Holding times for preparation or analysis exceeded

P Sample pH Not In Range

RL Reporting Detection Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703E72

03-Apr-17

Qual

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID LCS-30996 Client ID: LCSS

SampType: LCS Batch ID: 30996 TestCode: EPA Method 8015M/D: Diesel Range Organics

RunNo: 41755

Prep Date: 3/30/2017 Analysis Date: 3/31/2017

11

SeqNo: 1312831 Units: mg/Kg

%RPD

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Diesel Range Organics (DRO) 63.8 48 50.00 96.1 116 Surr: DNOP 4.8 97.0 5.000 70 130

Sample ID MB-30996 Client ID: PBS

SampType: MBLK Batch ID: 30996 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755

Prep Date: 3/30/2017 Analysis Date: 3/31/2017

PQL

10

50

SeqNo: 1312832

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

RPDLimit

Analyte Result Diesel Range Organics (DRO) ND Motor Oil Range Organics (MRO) ND

Surr: DNOP

10.00

107

SPK value SPK Ref Val %REC LowLimit

70

130

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits I
- Page 6 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703E72

03-Apr-17

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID	RB
Client ID:	PBS

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Batch ID: G41768

5.0

RunNo: 41768

%RPD

Prep Date:

Surr: BFB

Analysis Date: 3/30/2017

SeqNo: 1311397 %REC

Units: mg/Kg

RPDLimit Qual

Analyte Gasoline Range Organics (GRO) Result PQL ND 880

1000

SPK value SPK Ref Val

88.5

HighLimit 150

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: G41768

RunNo: 41768

Prep Date:

SeqNo: 1311398

LowLimit

Units: mg/Kg

Analyte

Analysis Date: 3/30/2017

SPK Ref Val %REC

LowLimit 76.4

54

HighLimit %RPD **RPDLimit** Qual

Gasoline Range Organics (GRO)

Result **PQL** 26 5.0

980

Result

SPK value 25.00 0 1000

SPK value SPK Ref Val

106 98.4

125 150

Surr: BFB

Sample ID MB-30956

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: Prep Date:

PBS

Batch ID: 30956

RunNo: 41768

Qual

Analyte

3/29/2017

Analysis Date: 3/30/2017 PQL

SeqNo: 1311406

Units: %Rec HighLimit

RPDLimit Qual

Surr: BFB

3/29/2017

780

78.0 TestCode: EPA Method 8015D: Gasoline Range

%REC LowLimit

150

%RPD

%RPD

Sample ID LCS-30956 Client ID:

SampType: LCS

Analysis Date: 3/30/2017

PQL

SeqNo: 1311407

Prep Date:

Batch ID: 30956

RunNo: 41768

Units: %Rec

RPDLimit

Analyte Surr: BFB Result 830

SPK value SPK Ref Val 1000

1000

%REC 83.2

LowLimit 54 HighLimit 150

Qualifiers:

H

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

- E Value above quantitation range
- Sample pH Not In Range
- RI. Reporting Detection Limit Sample container temperature is out of limit as specified
- Analyte detected in the associated Method Blank
- J Analyte detected below quantitation limits
- Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703E72

03-Apr-17

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID: **PBS**

Batch ID: **B41768**

RunNo: 41768

Prep Date:

Analysis Date: 3/30/2017

SeqNo: 1311432

%REC LowLimit

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

Analyte Benzene

SPK value SPK Ref Val Result PQL ND 0.025

ND

1.0

Result

0.94

0.98

1.0

3.1

0.97

Result

0.88

ND 0.050 Toluene ND 0.050 Ethylbenzene

0

0

0

0

66.6

LowLimit

80

80

80

80

66.6

132

Sample ID 100NG BTEX LCS

Surr: 4-Bromofluorobenzene

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID:

Xylenes, Total

LCSS

Batch ID: **B41768**

0.025

0.050

0.050

0.10

0.10

1.000

1.000

1.000

1.000

3.000

1.000

1.000

SPK value SPK Ref Val

SPK value SPK Ref Val

RunNo: 41768

101

Units: mg/Kg

120

120

120

120

132

Prep Date: Analyte

Analysis Date: 3/30/2017 PQL

SeqNo: 1311433 %REC

94.1

97.9

100

104

96.8

HighLimit

%RPD **RPDLimit** Qual

Benzene Toluene Ethylbenzene Xylenes, Total

> Surr: 4-Bromofluorobenzene Sample ID MB-30956

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

HighLimit

132

Client ID: Prep Date:

PRS

Batch ID: 30956

PQL

RunNo: 41768

%REC

87.7

Analyte

3/29/2017

Analysis Date: 3/30/2017

SeqNo: 1311441

Units: %Rec

%RPD **RPDLimit**

Qual

Sample ID LCS-30956

Surr: 4-Bromofluorobenzene

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

Batch ID: 30956

PQL

RunNo: 41768

Prep Date:

3/29/2017

Analysis Date: 3/30/2017

SPK value SPK Ref Val %REC LowLimit

SeqNo: 1311442 Units: %Rec

LowLimit

66.6

%RPD

RPDLimit Qual

Analyte Surr: 4-Bromofluorobenzene

0.84

Result

1.000

84.4

66.6

HighLimit

132

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits J
- Page 8 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit Sample container temperature is out of limit as specified



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

Client	Name:	Animas Environme	ntal Work Order N	umber: 1703E72		RcptNo:	1
Receiv	ved by/date	•: AY	0=130/17		·		
Logge		Lindsay Mangin	3/30/2017 7:30:0	no AM	And House		
					of the same		
	leted By:	Lindsay Mangin	3/30/2017 8:31:4	14 AM	Chandle Co		
	wed By://	(DE 03/	30/17				
	of Cust						
		ls intact on sample b	ottles?	Yes 🗀	No 🗆	Not Present ✓	
2. Is	Chain of C	custody complete?		Yes 🗹	No 🗌	Not Present	
3. Ho	ow was the	sample delivered?		Courier			
Log	<u>In</u>						
4. w	/as an atte	mpt made to cool the	samples?	Yes 🗹	No 🗆	NA 🗆	
5. W	ere all san	nples received at a te	mperature of >0° C to 6.0°0	Yes 🗹	No 🗌	NA 🗆	
6. S	ample(s) in	proper container(s)?	,	Yes 🗹	No 🗆		
7. Su	ufficient sar	mple volume for indic	eated test(s)?	Yes 🗹	No 🗆		
8. An	e samples	(except VOA and Of	NG) properly preserved?	Yes 🗹	No 🗆		
9. W	as preserv	ative added to bottles	3?	Yes	No 🗸	NA 🗆	
10.vc	DA vials ha	ve zero headspace?		Yes 🗹	No 🗆	No VOA Vials	
11. W	ere any sa	ample containers rece	eived broken?	Yes 🗆	No 🗹	# of preserved	
						bottles checked	
		ork match bottle labe		Yes 🗹	No 🗌	for pH: (<2 (or >12 unless noted)
•		correctly identified o	•	Yes 🗸	No 🗆	Adjusted?	
14, Is	it clear wh	at analyses were req	uested?	Yes 🗹	No 🗆		
		ling times able to be customer for authoriz		Yes 🗹	No 🗆	Checked by:	
	,		,				
Speci	al Hand	ling (if applicabl	<u>(e)</u>				
16. W	as client no	otified of all discrepar	ncies with this order?	Yes	No 🗆	NA 🗹	
	Person	Notified:		Date	CO. ALADOSTALISMA AND TOTAL AND THE COLUMN TO		
	By Wh	om:	Antonia representativa de la caractera de la c	/ia: eMail	Phone Fax	In Person	
	Regard	ling:	<u> </u>				
	Client I	nstructions:	and a third of the Anne Andrea (Andrea Anne Anne Anne Anne Anne Anne Anne An				
17. A	dditional re	emarks:				-	
18. <u>C</u>	ooler Info	rmation					
	Cooler No			lo Seal Date	Signed By		
ا 		1.8 Good	Yes				

Client:	naın	-ot-Cu	istody Record	Turr-Around		22				HA	LL	E	NV	/IF	80	NN	1EN	TAI	L
-	Huma	s Envir	conmental Services	☐ Standard Project Name	Rush	3Day TAT					AL w.ha						RAT	OR	Y
Mailing	Address	: 484 h	Pinn St		1			490	1 Hav								109		
		Faren	instra N4 87411	Project #:				Tel	. 505-	345-3	975	F	=ax	505-	345-	4107	7		
		94-22				6-602+127N					A	naly	ysis	Req	uest				
			canonescriberuntal. Com	Project Mana	iger:		£	nly)	8				00	co.					
QA/QC I	Package: dard		☐ Level 4 (Full Validation)	C.L	meman/1	E. McNally	(18021)	TPH (Gas only)	DRO / MRO)		SIMS)		,PO4,S	2 PCB's					
Accredi		- 011		Sampler:	CHOS TYPES	·	理	FP	9 =	=			NO	808					î
O NEL		U Othe	r	On Ice:		□ No	E	+	8 2	504	ar 82	US.	Õ	186		OA)			O'N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + MTB	BTEX + MTBE	TPH 8015B (GRO / I	EDB (Method 504.1)	PAH's (8310 ar 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y
3-29-17	1524	Soil	SC-5	1-40 jar	Cool	-001	X		X										
1		Sil	SC-6	1	1	-00Z	X		X										
	1415	Sail	SC-8			-003	×		X										
	1145	Soil	€-9	7	+	-004	×		×									П	\top
Date:	Time:	Relinquish	~~	Received by:	Laele	Date Time 3/29/	Ren L/O	narks t:(Bill 0396	to Cossi	Muca	Phil	lips	mhe	- Land	المع ا	· List	Hu	11-9-
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1703E90

April 03, 2017

Corwin Lameman Animas Environmental Services 604 Pinon Street Farmington, NM 87401

TEL: (505) 564-2281 FAX (505) 324-2022

RE: COPC San Juan 28-6 Unit 127 N

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/30/2017 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

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1703E90

Date Reported: 4/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project:

COPC San Juan 28-6 Unit 127 N

Collection Date: 3/29/2017 11:35:00 AM

Lab ID: 1703E90-001

Matrix: MEOH (SOIL)

Received Date: 3/30/2017 7:30:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANIC	S			Analyst	том
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/31/2017 7:37:44 PM	30996
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/31/2017 7:37:44 PM	30996
Surr: DNOP	111	70-130	%Rec	1	3/31/2017 7:37:44 PM	30996
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.1	mg/Kg	1	3/31/2017 4:27:43 AM	G41768
Surr: BFB	85.2	54-150	%Rec	1	3/31/2017 4:27:43 AM	G41768
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.015	mg/Kg	1	3/31/2017 4:27:43 AM	B41768
Toluene	ND	0.031	mg/Kg	1	3/31/2017 4:27:43 AM	B41768
Ethylbenzene	ND	0.031	mg/Kg	1	3/31/2017 4:27:43 AM	B41768
Xylenes, Total	ND	0.062	mg/Kg	1	3/31/2017 4:27:43 AM	B41768
Surr: 4-Bromofluorobenzene	87.4	66.6-132	%Rec	1	3/31/2017 4:27:43 AM	B41768

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 4
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: **1703E90**

03-Apr-17

Client: Animas Environmental Services COPC San Juan 28-6 Unit 127 N Project: TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID LCS-30969 SampType: LCS Client ID: LCSS Batch ID: 30969 RunNo: 41755 Analysis Date: 3/30/2017 SeqNo: 1311683 Units: %Rec Prep Date: 3/29/2017 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID MB-30969 SampType: MBLK Client ID: PBS Batch ID: 30969 RunNo: 41755 Prep Date: Analysis Date: 3/30/2017 SeqNo: 1311684 Units: %Rec 3/29/2017 %RPD Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Surr: DNOP 10 10.00 101 70 130 Sample ID LCS-31008 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 31008 RunNo: 41755 Prep Date: 3/31/2017 Analysis Date: 3/31/2017 SeqNo: 1312226 Units: %Rec Analyte SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Result POL HighLimit Qual Surr: DNOP 4.9 5.000 130 Sample ID MB-31008 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: Batch ID: 31008 RunNo: 41755 Prep Date: 3/31/2017 Analysis Date: 3/31/2017 SeqNo: 1312227 Units: %Rec SPK value SPK Ref Val %REC **RPDLimit** Analyte Result LowLimit HighLimit %RPD Qual Surr: DNOP 10.00 106 130 Sample ID LCS-30996 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 30996 RunNo: 41755 Prep Date: 3/30/2017 Analysis Date: 3/31/2017 SeqNo: 1312831 Units: mg/Kg %RPD Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) 48 10 50.00 96.1 63.8 116 Surr: DNOP 4.8 5.000 130 Sample ID MB-30996 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 30996 RunNo: 41755 Prep Date: 3/30/2017 Analysis Date: 3/31/2017 SeqNo: 1312832 Units: mg/Kg

Oualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Result

ND

ND

11

PQL

10

50

10.00

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

70

HighLimit

130

%RPD

RPDLimit

Page 2 of 4

Qual

E Value above quantitation range

107

J Analyte detected below quantitation limits

P Sample pH Not In Range

SPK value SPK Ref Val %REC LowLimit

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703E90

03-Apr-17

Client: Animas Environmental Services
Project: COPC San Juan 28-6 Unit 127 N

Sample ID RB SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: G41768 Client ID: PBS RunNo: 41768 Prep Date: Analysis Date: 3/30/2017 SeqNo: 1311397 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL LowLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 880 1000 88.5 54 150

Sample ID 2.5UG GRO LCS SampType: LCS TestCode: EPA Method 8015D: Gasoline Range LCSS Batch ID: G41768 Client ID: RunNo: 41768 Prep Date: Analysis Date: 3/30/2017 SeqNo: 1311398 Units: mg/Kg %REC %RPD Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 0 106 76.4 125 Surr: BFB 980 1000 98.4 54 150

Sample ID MB-30956 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 30956 RunNo: 41768 Prep Date: SeqNo: 1311406 3/29/2017 Analysis Date: 3/30/2017 Units: %Rec Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 780 1000 78.0 150

Sample ID LCS-30956 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 30956 RunNo: 41768 Prep Date: 3/29/2017 Analysis Date: 3/30/2017 SeqNo: 1311407 Units: %Rec %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual Surr: BFB 830 1000 83.2 54 150

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 4

P Sample pH Not In Range RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703E90

03-Apr-17

Client: Project: Animas Environmental Services

COPC San Juan 28-6 Unit 127 N

Sample	ID	RB

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

66.6

TestCode: EPA Method 8021B: Volatiles

Client ID: PBS

Batch ID: **B41768**

Result

RunNo: 41768

SPK value SPK Ref Val %REC LowLimit

Prep Date:

Analysis Date: 3/30/2017 PQL

SeqNo: 1311432

Units: mg/Kg

%RPD

HighLimit

RPDLimit Qual

Analyte Benzene Toluene

Ethylbenzene

ND 0.025 ND 0.050 0.050 ND ND 0.10

Xylenes, Total Surr: 4-Bromofluorobenzene

1.0 1.000 101

132

Sample ID 100NG BTEX LCS

SampType: LCS

Batch ID: **B41768**

RunNo: 41768

Prep Date:

Client ID: LCSS

Analysis Date: 3/30/2017

SeqNo: 1311433

Units: mg/Kg

%RPD **RPDLimit** Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Benzene	0.94	0.025	1.000	0	94.1	80	120
Toluene	0.98	0.050	1.000	0	97.9	80	120
Ethylbenzene	1.0	0.050	1.000	0	100	80	120
Xylenes, Total	3.1	0.10	3.000	0	104	80	120
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	66.6	132

Sample ID MB-30956

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID: Prep Date:

PRS

Surr: 4-Bromofluorobenzene

3/29/2017

Batch ID: 30956

RunNo: 41768

Result 0.88

Analysis Date: 3/30/2017 SPK value SPK Ref Val **PQL**

1.000

SeqNo: 1311441 %REC

87.7

66.6

LowLimit

Units: %Rec HighLimit

132

%RPD **RPDLimit** Qual

Qual

Sample ID LCS-30956

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

Batch ID: 30956

RunNo: 41768

Prep Date:

3/29/2017

Analysis Date: 3/30/2017

SeqNo: 1311442

Units: %Rec

%RPD **RPDLimit**

Analyte Surr: 4-Bromofluorobenzene Result 0.84

1.000

84.4

SPK value SPK Ref Val %REC LowLimit 66.6

HighLimit 132

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 4 of 4

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Received by/dete: LM 03 (30 117 Logged By: Andy Jansson 3/30/2017 7:30:00 AN Completed By: ANDY June Sch 03 (30/17 Reviewed By: 03/30/17 Chain of Custody 1. Custody seals intact on sample bottles?	Yes V	No [
Completed By: And Junsson 03 (30/17) Reviewed By: 03/30/17 Chain of Custody 1. Custody seals intact on sample bottles?	Yes 🗆			
Reviewed By: Chain of Custody 1. Custody seals intact on sample bottles?		No 🗆		
Chain of Custody 1. Custody seals intact on sample bottles?		No 🗆		
1. Custody seals intact on sample bottles?		No □		
		No 🗆		,
	Van W	NO L	Not Present	
2. Is Chain of Custody complete?	Tes Y	No 🗌	Not Present	
3. How was the sample delivered?	Courier			
<u>Log In</u>				
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 🗆	
10.VOA vials have zero headspace?	Yes	No 🗔	No VOA Vials	
11. Were any sample containers received broken?	Yes -	No 🗸	# of preserved	
42.5		No. 7	bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No _	for pH:	or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No L	Adjusted?	
14, Is it clear what analyses were requested?	Yes 🗹	No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:	The state of the s
Special Handling (if applicable)				
16, Was client notified of all discrepancies with this order?	Yes [No L	NA 🗹	
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 D.		
1 1.8 Good Not Present	Ceal D808	Signed By		

	hain	of-Cu	stody Record	Turn-Around	Time:	HALL ENVIRONM				4 =	NIT	A 1							
Client:	Anima	SEN	mmental Services	Standard Project Name						A		Y	SIS	S L	AE	30		TO	2
Mailing	Address	404 1	V. Pinon St					490	1 Ha		NE						109		
	1	Farmin	gtm NM 87411	Project #:							3975				4	4107			
Phone #		54-2		COPC San	JAAN 28-	Lunt 127N					-	Anal	100000		-				
			Carimesen son ments				=	nly)	9				04)						
QA/QC F			Level 4 (Full Validation)	C.Lan	reman / E	E. McNally	IMB's (8021)	Gas o	W/O		SIMS)		PO ₄ ,S	PCB's					
Accredit	tation	□ Othe	, , , , , , , , , , , , , , , , , , , ,	Sampler:	1011	D.T.	IME	MTBE + TPH (Gas only)	O / DR	(1)			3.NO2,	/ 8082		2			î
□ EDD				Sample Temp		No. 1 Section - December of the Control of the Control of	W.	# # #	(GR	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0	als	ON,	des	-	Š			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO	BTEX + MH	BTEX + MTI	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
3.24.17	1135	Soil	56-2	1-itozijar	COIL	-001	X		X										
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Date:	Time: (2-17 Time:	Relinguish	ui h	Received by: Received by: Received by:	L.	Date Time 7/24/11 1747 Date Time	Ren	t: 10	361. 361.	11 4 888 Fan AK	dy Si	no Co not h	Ph	11ip	lere	dl	y:L	和	nter 13.
229 17	1820	1ih	that	X	<u> </u>	130/17 0730	A	Ten:	7	,,			<i>C</i>	ull	n	2	we :	tin	13.
· If	necessary.	samples sub	mitted to Hall Environmental may be subo	ontracted to other ad	ccredited laboratorie	s. This serves as notice of this	possi	bility. A	ny sub	-contrac	ted data	d lliw e	é clear	fly note	sted or	the ar	nalytica	I report.	



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

April 14, 2017

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

FAX

RE: COPC San Juan 28 6 Unit 127N

OrderNo.: 1704455

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/12/2017 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

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1704455

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-5

Project: COPC San Juan 28 6 Unit 127N Collection Date: 4/11/2017 9:22:00 AM

Lab ID: 1704455-001

Matrix: MEOH (SOIL)

Received Date: 4/12/2017 7:00:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	63	9.5	mg/Kg	1	4/13/2017 11:41:16 AM	31205
Motor Oil Range Organics (MRO)	49	48	mg/Kg	1	4/13/2017 11:41:16 AM	31205
Surr: DNOP	81.1	70-130	%Rec	1	4/13/2017 11:41:16 AM	31205
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	4/12/2017 6:11:55 PM	SG42060
Surr: BFB	111	54-150	%Rec	1	4/12/2017 6:11:55 PM	SG42060
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	4/12/2017 6:11:55 PM	SB42060
Toluene	ND	0.033	mg/Kg	1	4/12/2017 6:11:55 PM	SB42060
Ethylbenzene	ND	0.033	mg/Kg	1	4/12/2017 6:11:55 PM	SB42060
Xylenes, Total	ND	0.065	mg/Kg	1	4/12/2017 6:11:55 PM	SB42060
Surr: 4-Bromofluorobenzene	117	66.6-132	%Rec	1	4/12/2017 6:11:55 PM	SB42060

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

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 9 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1704455

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-6

Project: COPC San Juan 28 6 Unit 127N

Collection Date: 4/11/2017 10:50:00 AM

Lab ID: 1704455-002

Matrix: MEOH (SOIL) Received Date: 4/12/2017 7:00:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	S				Analyst	MAB
Diesel Range Organics (DRO)	28	9.2		mg/Kg	1	4/13/2017 1:05:15 PM	31205
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/13/2017 1:05:15 PM	31205
Surr: DNOP	86.7	70-130		%Rec	1	4/13/2017 1:05:15 PM	31205
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	NSB
Gasoline Range Organics (GRO)	130	2.9		mg/Kg	1	4/12/2017 6:35:21 PM	SG4206(
Surr: BFB	1020	54-150	S	%Rec	1	4/12/2017 6:35:21 PM	SG42060
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	0.015	0.015		mg/Kg	1	4/12/2017 6:35:21 PM	SB42060
Toluene	ND	0.029		mg/Kg	1	4/12/2017 6:35:21 PM	SB42060
Ethylbenzene	ND	0.029		mg/Kg	1	4/12/2017 6:35:21 PM	SB42060
Xylenes, Total	2.1	0.058		mg/Kg	1	4/12/2017 6:35:21 PM	SB42060
Surr: 4-Bromofluorobenzene	183	66.6-132	S	%Rec	1	4/12/2017 6:35:21 PM	SB42060

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1704455

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-9

Project: COPC San Juan 28 6 Unit 127N Collection Date: 4/11/2017 9:30:00 AM

Lab ID: 1704455-003 Matrix: MEOH (SOIL) Received Date: 4/12/2017 7:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst	MAB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/13/2017 1:33:30 PM	31205
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/13/2017 1:33:30 PM	31205
Surr: DNOP	86.3	70-130	%Rec	1	4/13/2017 1:33:30 PM	31205
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	2.7	mg/Kg	1	4/12/2017 6:58:41 PM	SG42060
Surr: BFB	102	54-150	%Rec	1	4/12/2017 6:58:41 PM	SG42060
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.014	mg/Kg	1	4/12/2017 6:58:41 PM	SB42060
Toluene	ND	0.027	mg/Kg	1	4/12/2017 6:58:41 PM	SB42060
Ethylbenzene	ND	0.027	mg/Kg	1	4/12/2017 6:58:41 PM	SB42060
Xylenes, Total	ND	0.055	mg/Kg	1	4/12/2017 6:58:41 PM	SB42060
Surr: 4-Bromofluorobenzene	117	66.6-132	%Rec	1	4/12/2017 6:58:41 PM	SB42060

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 9 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1704455

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-12

Project: COPC San Juan 28 6 Unit 127N

Collection Date: 4/11/2017 9:35:00 AM

Lab ID: 1704455-004

Matrix: MEOH (SOIL) Received Date: 4/12/2017 7:00:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	S				Analysi	: MAB	
Diesel Range Organics (DRO)	18	9.2		mg/Kg	1	4/13/2017 2:01:20 PM	31205
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/13/2017 2:01:20 PM	31205
Surr: DNOP	86.8	70-130		%Rec	1	4/13/2017 2:01:20 PM	31205
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	49	2.9		mg/Kg	1	4/12/2017 7:21:56 PM	SG4206
Surr: BFB	416	54-150	S	%Rec	1	4/12/2017 7:21:56 PM	SG4206
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.015		mg/Kg	1	4/12/2017 7:21:56 PM	SB4206
Toluene	ND	0.029		mg/Kg	1	4/12/2017 7:21:56 PM	SB4206
Ethylbenzene	ND	0.029		mg/Kg	1	4/12/2017 7:21:56 PM	SB4206
Xylenes, Total	1.6	0.059		mg/Kg	1	4/12/2017 7:21:56 PM	SB42060
Surr: 4-Bromofluorobenzene	135	66.6-132	S	%Rec	1	4/12/2017 7:21:56 PM	SB42060

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1704455

Date Reported: 4/14/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-13

Project: COPC San Juan 28 6 Unit 127N

Collection Date: 4/11/2017 9:43:00 AM

Lab ID: 1704455-005

Matrix: MEOH (SOIL) Received Date: 4/12/2017 7:00:00 AM

Analyses	Result	Result PQL Qual Units		DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	S			Analyst	MAB
Diesel Range Organics (DRO)	16	9.8	mg/Kg	1	4/13/2017 2:29:09 PM	31205
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/13/2017 2:29:09 PM	31205
Surr: DNOP	79.6	70-130	%Rec	1	4/13/2017 2:29:09 PM	31205
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	6.3	3.2	mg/Kg	1	4/12/2017 7:45:20 PM	SG4206
Surr: BFB	131	54-150	%Rec	1	4/12/2017 7:45:20 PM	SG4206
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	4/12/2017 7:45:20 PM	SB42060
Toluene	ND	0.032	mg/Kg	1	4/12/2017 7:45:20 PM	SB42060
Ethylbenzene	ND	0.032	mg/Kg	1	4/12/2017 7:45:20 PM	SB42060
Xylenes, Total	0.13	0.064	mg/Kg	1	4/12/2017 7:45:20 PM	SB42060
Surr: 4-Bromofluorobenzene	114	66.6-132	%Rec	1	4/12/2017 7:45:20 PM	SB42060

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704455

14-Apr-17

Client: Animas Environmental

Project: COPC San Juan 28 6 Unit 127N

Sample ID MB-31222 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: 31222 RunNo: 42086

Prep Date: 4/13/2017 Analysis Date: 4/13/2017 SegNo: 1321896 Units: %Rec

RPDLimit %REC %RPD Result POL SPK value SPK Ref Val HighLimit Qual Analyte LowLimit Surr: DNOP 10.00 112 130 11

SampType: LCS Sample ID LCS-31222 TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 31222 RunNo: 42086

Prep Date: 4/13/2017 Analysis Date: 4/13/2017 SeqNo: 1321918

Units: %Rec

%RPD Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDI** imit Qual

Surr: DNOP 5.3 5.000 106 130

Sample ID LCS-31205 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 31205 RunNo: 42092

Analysis Date: 4/13/2017 Prep Date: 4/12/2017 SeqNo: 1322086 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte

Diesel Range Organics (DRO) 42 10 50.00 83.8 63.8 116 Surr: DNOP 4.3 5.000 85 9 70 130

Sample ID MB-31205 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK

PBS Client ID: Batch ID: 31205 RunNo: 42092

Prep Date: 4/12/2017 Analysis Date: 4/13/2017 SeqNo: 1322087 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC %RPD **RPDI** imit Qual LowLimit HighLimit Diesel Range Organics (DRO) ND 10

ND Motor Oil Range Organics (MRO) 50

Surr: DNOP 84 10.00 83 9 70 130

Sample ID 1704455-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: SC-5 Batch ID: 31205 RunNo: 42092

Prep Date: 4/12/2017 Analysis Date: 4/13/2017 SeqNo: 1322365 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 91 9.9 49.60 63.13 56.5 51.6 130

Surr: DNOP 4.7 4.960 95.0 70 130

Sample ID 1704455-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: SC-5 Batch ID: 31205 RunNo: 42092

Prep Date: 4/12/2017 Analysis Date: 4/13/2017 SeqNo: 1322366 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI I owl imit HighLimit Qual Diesel Range Organics (DRO) 96 9.6 47.80 63.13 69.2 51.6 130 5.35 20

Qualifiers:

H

ND

R

S

Value exceeds Maximum Contaminant Level В Analyte detected in the associated Method Blank

D Sample Diluted Due to Matrix E Value above quantitation range

Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits Page 6 of 9

Not Detected at the Reporting Limit Sample pH Not In Range

RPD outside accepted recovery limits Reporting Detection Limit RL

% Recovery outside of range due to dilution or matrix W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704455

14-Apr-17

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID 1704455-001AMSD

SampType: MSD

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

SC-5

Batch ID: 31205

RunNo: 42092

Prep Date: 4/12/2017

Analysis Date: 4/13/2017

SeqNo: 1322366

Units: mg/Kg

RPDLimit Qual

Surr: DNOP

Result

PQL

SPK value SPK Ref Val %REC

HighLimit

%RPD

Analyte

4.3

4.780

89.4

LowLimit

130

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 7 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704455

14-Apr-17

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID RB	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch	Batch ID: SG42060 RunNo: 42060											
Prep Date: Analysis Date: 4/12/2017			8	SeqNo: 1	321736	Units: mg/K	(g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Range Organics (GRO)	ND	5.0											

Surr: BFB Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Prep Date:

Batch ID: SG42060

91.4

RunNo: 42060

Analysis Date: 4/12/2017

910

SeqNo: 1321737

Units: mg/Kg

150

Result SPK value SPK Ref Val

%REC LowLimit 103

%RPD HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

26 990 25.00 1000

1000

99.1

76.4 54

150

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 8 of 9

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

1704455 14-Apr-17

WO#:

Client: Animas Environmental

COPC San Juan 28 6 Unit 127N Project:

Sample ID RB	SampT	ype: ME	BLK	Tes						
Client ID: PBS	Batch	n ID: SE	342060	F	RunNo: 4	2060				
Prep Date:	Analysis D	Date: 4/	12/2017	S	SeqNo: 1	321763	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		115	66.6	132			

Sample ID 100NG BTEX LC	Samp	Гуре: LC	S	Tes	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batc	h ID: SE	342060	F	RunNo: 4							
Prep Date:	Analysis [Analysis Date: 4/12/2017 SeqNo: 1321764						(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit %RPI		RPDLimit	Qual		
Benzene	1.1	0.025	1.000	0	114	80	120					
Toluene	1.1	0.050	1.000	0	107	80	120					
Ethylbenzene	1.0	0.050	1.000	0	104	80	120					
Xylenes, Total	2.9	2.9 0.10 3.000			96.3	80	120					
Surr: 4-Bromofluorobenzene	1.2		1.000		117	66.6	132					

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 9 of 9

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified



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

Client	t Name:	Animas Env	ironmental	Work C	order Number	er: 1704	155		Rcp	tNo: 1	
Recei	ved By:	Lindsay Ma	angin	4/12/2017	7 7:00:00 A	М		James Harry	,		
Comp	leted By:	Lindsay Ma	angin	4/12/2017	7 7:56:16 A	M		Simbul Harriso)		
	wed By:	ENM		04/12	17			000			
				.,,,	-117						
<u>Chair</u>	of Cus	tody									
1. C	ustody sea	als intact on sa	mple bottles?			Yes		No 🗔	Not Present	V	
2. Is	Chain of (Custody compl	lete?			Yes	V	No 🗔	Not Present		
3. H	ow was the	e sample deliv	ered?			Cour	ier				
Log	<u>In</u>		**								
4. w	las an atte	empt made to	cool the samp	les?		Yes	1	No.	NA		
5. W	ere all sar	mples received	l at a tempera	ture of >0° C	to 6.0°C	Yes	V	No 🗔	NA		
6. s	ample(s) i	n proper conta	iner(s)?			Yes	V	, No 🗆			
7. St	ufficient sa	mple volume f	for indicated to	est(s)?		Yes	V	No 🗆	8		
				operly preserve	ed?	Yes	Y	No 🗆			
9. W	as preserv	rative added to	bottles?			Yes		No 🗹	NA		
10.vo	DA vials ha	ave zero heads	space?			Yes		No 🗀	No VOA Vials	V	
		ample containe	•	roken?		Yes		No 🗹			
									# of preserved bottles checke		
		work match bo				Yes	\checkmark	No	for pH:	/c2 or	>12 unless noted)
		pancies on cha correctly iden				Yes	~	No 🗌	Adjusted		> 12 uniess noteu)
		at analyses w				Yes		No 🗆			
		ding times abk			8.	Yes	V	No 🗌	Checked	by:	
(If	no, notify	customer for a	authorization.)								
Speci	al Hand	lling (if app	licable)								
				ith this order?		Yes		No 🗌	NA	V	
		Notified:	Michigan Congress Consumer	BATTER BATTER OF THE PROPERTY OF	Date:	ger and the same of	2546	SERVICE SANDANCE OF SERVICE OF SE	256 AS F O 1870 A 1		
	By Wh	ā.	A Michigan Company	SCE POTE OF LINES AND A SCHOOL	Via:	∏ eMa	il [Phone Fax	☐ In Person		
	Regard	5	(Alecha anno anno anno anno	POR SERVICE DATE OF A SERVICE			Personalista	Company of the Compan	STILL DATE OF THE PROPERTY OF THE PARTY OF T	man.	
	Client	Instructions:	M. Handison D. S.		udi Ministronianian era da Su				NO TO BE SEED OF THE PERSON OF	nitur .	
17. A	dditional re	emarks:									
18. <u>C</u>	ooler Info	rmation									
L	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Da	ite'	Signed By			
1	1	1.5	Good	Yes							

Ch	Chain-of-Custody Record				Turn-Around Time:				1	ш			NIV.	ID/	3 M.E	B.4 E	-		
Client:	Anima	s Enviro	nmental Services, LLC	Standard A Rush_2-1A1 ANALYSIS LABORATOR										1					
				Project Name:						٧	ww.	halle	nviror	men	tal.co	m			
Mailing Ad	dress:	604 W	Pinon St.	COPC SAN JUAN 28-6 UNIT 127N				4901 Hawkins NE - Albuquerque, NM 87109											
		Farmin	gton, NM 87401	Project #:					Tel. 505-345-3975 Fax 505-345-4107										
Phone #: 505-564-2281													sis F			1101			
Email or F	ax#:	clamema	an@animasenvironmental.c	Project Manag	er:				T			T							
QA/QC Package: X Standard Level 4 (Full Validation				C. Lamema	n/ E. McNally		RO)												
Accreditation:			Sampler: CL	_		1	NO.												
□ NELAP		☐ Other		On los Zi Yes, San El No				DR											
□ EDD (T	ype)			Sample fremi	elember 1		The state of the s	8											or N)
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO 1704465	BTEX - 8021B	TPH - 8015 (GRO/DRO/MRO)	P										Air Bubbles (Y
4/11/17	9:22	Soil	SC-5	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-001	х	х											
4/11/17	10:50	Soil	SC-6	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-00Z	х	х								П			П
4/11/17	9:30	Soil	SC-9	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-003	х	х											
4/11/17	9:35	Soil	SC-12	1 - MeOH Kit 1 - 4 oz jar 1 - MeOH Kit	MeOH Cool MeOH	-004	Х	Х											
4/11/17	9:43	Soil	SC-13	1 - MeOH Kit 1 - 4 oz iar	MeOH Cool	-005	х	X	-	4		\bot					\blacksquare	\mp	\Box
										1	\pm							\pm	
								+	+	+	+	+	+	-		-	+	+	H
																	1		\top
															П				
Date:	Time:	Relinquished by: Relinquished by:		Marticlast 4/11/120		Rem WO Supe USE Area	# 100 erviso RID:	3988 or: Ra	81	Smit			Cu	U -	را ر	Q	str	uz	
1/11/19	1836	That	Walt		04/1	2/17 0700	Orde	ered b	oy: Li	isa H	unter								