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

SEP 1 3 2017

OIL CONS. DIV DIST. 3

Form C-141 Revised August 8, 2011

Final Report

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											
	OPERATOR Initial Report Sinal Rep										
Name of Company ConocoPhillips Company	Contact Clara Cardoza										
Address 3401 East 30 th St, Farmington, NM	Telephone No. (505) 564-0733										
Facility Name: Redfern 4 (P&AWell)	Facility Type: Gas Well										
Surface Owner BLM Mineral Owner	BLM (NM-021116) API No. 3004507441										
LOCATIO	N OF RELEASE										
Unit LetterSectionTownshipRangeFeet from theNorthI1628N11W1580	h/South Line Feet from the 1010 East/West Line County South 1010 East San Juan										
Latitude <u>36.65921</u> Longitude <u>-108. 00308</u>											
NATURE	C OF RELEASE										
Type of Release Hydrocarbon (Historic)	Volume of Release Unknown Volume Recovered 0										
Source of Release Unknown	Date and Hour of Occurrence Date and Hour of Discovery										
Was Immediate Notice Given?	If YES, To Whom?										
Yes No Not Required	BLM (Whitney Thomas) & OCD (Vanessa Fields)										
By Whom? Lisa Hunter	Date and Hour January 27, 2017 @ 2:21 p.m. & 2:30 p.m.										
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.										
If a Watercourse was Impacted, Describe Fully.*											
During facility stripping of the P&A well Redfern 4 on January 2 assessment estimates contaminated area at approximately 65ft x 1 contamination may be off location. Archaeological assessment for	6th, a large area of contamination has been discovered. Initial field 100ft x 10ft or sandstone. Early assessment also indicates the west end of or 100ft buffer has been ordered. Site Rank: 10										
Describe Area Affected and Cleanup Action Taken.* ConocoPhillips will assess the soil to determine a path forward for clean- Historical hydrocarbon impacted soil was found during the BGT P& and approximately 1,800 yd3 of soil was transported to Envirotech la	-up if necessary. A closure. The excavation was approximately 73 ft x 76 ft x 3-10.5 ft in depth and farm. The closure report and laboratory analysis is attached for review.										
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations.	the best of my knowledge and understand that pursuant to NMOCD rules and notifications and perform corrective actions for releases which may endanger he NMOCD marked as "Final Report" does not relieve the operator of liability tte contamination that pose a threat to ground water, surface water, human health does not relieve the operator of responsibility for compliance with any other										
Clard, Cargo Signature:	Approved by Environmental Specialist:										
Title: Environmental Specialist	America Data 1/0/17 Emission Data										
E moil Addresse econders Chilesen com	Approval Date:										
Date: Sentember 6 2017 Phone: (505) 564 0733	Attached										
* Attach Additional Sheets If Necessary											
+1 NV+ 1705 ddg	543										



Animas Environmental Services, LLC



August 4, 2017

Lisa Hunter Hilcorp Energy Company <u>Ihunter@hilcorp.com</u> (505) 258-1607

RE: Below Grade Tank Closure, Release Assessment and Final Excavation Report Redfern 4 San Juan County, New Mexico

Dear Ms. Hunter:

On January 26 and July 27, 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 (COP) Redfern 4 located in San Juan County, New Mexico. An initial release assessment was completed on January 26, 2017, and the final excavation was completed by COP contractors prior to AES' arrival on location on July 27, 2017.

1.0 Site Information

1.1 Location

Site Name – Redfern 4 Legal Description – NE¼ SE¼, Section 16, T28N, R11W, San Juan County, New Mexico Well Latitude/Longitude – N36.65942 and W108.00363, respectively BGT Latitude/Longitude – N36.65919 and W108.00368, respectively Land Jurisdiction – Bureau of Land Management (BLM) Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, January 2017

1.2 NMOCD Ranking

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

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

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

www.animasenvironmental.com

Lisa Hunter Redfern 4 BGT Closure, Release Assessment, and Final Excavation Report August 4, 2017 Page 2 of 7

- Depth to Groundwater: A Site Specific Hydrogeology report dated July 2008 reported the depth to groundwater as 157 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Unnamed minor washes which discharge to Kutz Canyon Wash are located approximately 250 feet northwest and 350 feet southeast of the location. (10 points).

1.3 Assessment

AES was initially contacted by Lisa Hunter, COP representative, on January 18, 2017, and on January 26, 2017, Corwin Lameman of AES traveled to the location. Soil sampling consisted of collection of one 5-point soil sample (BGT SC-1) composited from four perimeter locations and one center location from below the BGT liner at the BGT footprint. Soil sample results for BGT SC-1 were above the action levels, and a release was confirmed.

On the same day, AES personnel completed the release assessment field work. The assessment included collection and field sampling of 22 soil samples from 9 assessment trenches (TH-1 through TH-9). Based on field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On July 27, 2017, AES returned to the location to collect confirmation soil samples of the excavation extents. The field sampling activities included collection of nine confirmation soil samples (SC-1 through SC-9) from the walls and base of the excavation. The area of the final excavation measured approximately 73 feet by 76 feet by 3 to 10.5 feet in depth. Note that the depth of the excavation was limited due to a confining sandstone unit around 3 to 10.5 feet bgs. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

Field screening for volatile organic compound (VOC) vapors was conducted with a photoionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. Lisa Hunter Redfern 4 BGT Closure, Release Assessment, and Final Excavation Report August 4, 2017 Page 3 of 7

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for total petroleum hydrocarbons (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' *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

2.1.3 Chlorides

Soil sample BGT SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

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 samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8260B (BGT-SC-1) or USEPA Method 8021B (SC-1 through SC-9);
- TPH as gasoline range, diesel range, and motor oil range organics (GRO/DRO/MRO) per USEPA Method 8015;
- 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 2 through 4. The AES Field Sampling Reports and laboratory analytical reports are attached.

Lisa Hunter Redfern 4 BGT Closure, Release Assessment, and Final Excavation Report August 4, 2017 Page 4 of 7

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (418.1) (mg/kg)	Field Chlorides (mg/kg)
	NA	NOCD Action Level	NE/100*	100/1,000*	250/NE*
BGT SC-1	1/26/17	0.5	1,075	3,010	60
	1/20/17 -	7	15.6	25.9	NA
14-1	1/26/17	10	31.9	27.4	NA
тц 2	1/26/17	5	43.6	<20.0	NA
11-2	1/20/1/ -	10	45.0	<20.0	NA
		3	25.7	NA	NA
TH-3	1/26/17	7	3,289	1,440	NA
	-	10	916	294	NA
		4	1.3	NA	NA
TH-4	1/26/17	6	4.9	187	NA
	-	10	16.4	152	NA
		2	8.9	NA	NA
TH-5	1/26/17	6.5	3.2	<20.0	NA
	-	9	2.3	22.8	NA
711.0	1/20/117	5	2.9	NA	NA
TH-6	1/26/17 -	9	2.3	<20.0	NA
		4	35.9	NA	NA
TH-7	1/26/17	6	2,654	>3,060	NA
	-	10	967	371	NA
711.0	4 10 6 14 7	5	3,021	NA	NA
IH-8	1/26/17 -	9	1,331	370	NA
	1/25/1-	2	3,408	NA	NA
TH-9	1/26/17 -	3	1,954	1,050	NA
SC-1	7/27/17	0 to 9.5	1,165	1,190	NA
SC-2	7/27/17	0 to 7	14.6	71.4	NA
SC-3	7/27/17	0 to 3	1,037	331	NA

Table 1. Soil Field VOCs, TPH, and Chloride Results Redfern 4 BGT Closure, Release Assessment and Final Excavation January and July 2017

Lisa Hunter Redfern 4 BGT Closure, Release Assessment, and Final Excavation Report August 4, 2017 Page 5 of 7

				Field	
			VOCs OVM	ТРН	Field
	Date	Depth below	Reading	(418.1)	Chlorides
Sample ID	Sampled	BGT (ft)	(ppm)	(mg/kg)	(mg/kg)
	NA	MOCD Action Level	NE/100*	100/1,000*	250/NE*
SC-4	7/27/17	0 to 3	885	1,120	NA
SC-5	7/27/17	0 to 5.5	10.4	259	NA
SC-6	7/27/17	0 to 10.5	20.7	68.6	NA
SC-7	7/27/17	0 to 8	38.2	310	NA
SC-8	7/27/17	8.5 to 10.5	20.7	76.9	NA
SC-9	7/27/17	3 to 5.5	60.5	71.4	NA

NA – not analyzed

NE – not established

*Action level determined by NMAC 19.15.17.13 Table 1

Table 2.	Soil Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides
	Redfern 4 BGT Closure and Final Excavation

January and July 2017										
Sample ID	Date Sampled	Sample Depth (ft bas)	Benzene (mg/kg)	Total BTEX (mg/kg)	ТРН 418.1	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	TPH- MRO (ma/ka)	Chlorides (ma/ka)	
	NMOCD Ac	tion Level	0.2/10*	50*	100/ 1,000*	1	00/1,000*		250/NE*	
BGT SC-1	1/26/17	0.5	<0.27	8.52	3,700	520	1,300	360	<30	
SC-1	7/27/17	0 to 9.5	< 0.081	1.3	NA	31	450	190	550	
SC-2	7/27/17	0 to 7	<0.016	<0.144	NA	<3.2	<10	<50	420	
SC-3	7/27/17	0 to 3	0.020	0.262	NA	28	140	51	340	
SC-4	7/27/17	0 to 3	< 0.017	0.46	NA	32	470	310	1,700	
SC-5	7/27/17	0 to 5.5	<0.018	<0.161	NA	<3.6	73	110	1,400	
SC-6	7/27/17	0 to 10.5	<0.018	<0.163	NA	<3.6	<9.2	<46	640	
SC-7	7/27/17	0 to 8	< 0.022	<0.194	NA	<4.3	370	380	1,000	
SC-8	7/27/17	8.5 to 10.5	<0.017	0.041	NA	<3.4	<9.5	<47	120	
SC-9	7/27/17	3 to 5.5	<0.017	<0.152	NA	<3.4	<10	<50	130	

NA – not analyzed

NE – not established

Lisa Hunter Redfern 4 BGT Closure, Release Assessment, and Final Excavation Report August 4, 2017 Page 6 of 7

*Action level determined by NMAC 19.15.17.13 Table 1

3.0 Conclusions and Recommendations

3.1 BGT Closure

On January 26, 2017, AES conducted BGT closure sampling at the location. NMOCD action levels for BGT closures are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10. BGT closure sampling results were above the NMOCD action levels of 100 mg/kg for TPH, with BGT SC-1 reporting field concentrations of 3,010 mg/kg TPH (418.1) and laboratory analytical results of 3,700 mg/kg TPH (418.1) and 2,180 mg/kg TPH (8015), respectively. Chloride concentrations in BGT SC-1 were reported below the NMOCD action level of 250 mg/kg, with less than 30 mg/kg. Based on field and laboratory concentrations, a release was confirmed at the BGT at the Redfern 4 location.

3.2 Release Assessment

On the same day, AES completed a release assessment at the location. Release assessment field sampling results above the NMOCD action level of 1,000 mg/kg TPH were reported in TH-3, TH-7, and TH-9. The highest field TPH concentration was reported in TH-7, with a concentration greater than 3,060 mg/kg TPH. Excavation of the release area was recommended, and COP utilized soil shredding to treat petroleum contaminated soils.

3.3 Excavation Clearance

On July 27, 2017, final clearance of the excavation area was completed. Field sampling results of the excavation extents showed field TPH concentrations slightly exceeded the applicable NMOCD action level of 1,000 mg/kg in SC-1 (1,190 mg/kg) and SC-4 (1,120 mg/kg). However, laboratory analytical results reported benzene, total BTEX, and TPH concentrations (as GRO/DRO/MRO) in all samples as below NMOCD action levels.

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the Redfern 4, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final sidewalls and base of the excavation. No further work is recommended.

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

Lisa Hunter Redfern 4 BGT Closure, Release Assessment, and Final Excavation Report August 4, 2017 Page 7 of 7

Sincerely,

David g Reve

David J. Reese Environmental Scientist

Elizabeth V Mendly

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, January 2017

Figure 3. Release Assessment Sample Locations and Results, January 2017

Figure 4. Final Excavation Sample Locations and Results, July 2017

AES Field Sampling Reports 012617 (BGT), 012617 (Release Assessment), 072717

Hall Laboratory Analytical Reports 1701B29, 1707E29, 1707E30

C:\Users\emcnally\Dropbox (Animas Environmental)\0000 aes server client projects dropbox\2017 Client Projects\ConocoPhillips\Redfern 4\Redfern 4 BGT Closure, Release and Excavation Report 080417.docx







LonocoPhillips **REDFERN 4** NE¼ SE¼, SECTION 16, T28N, R11W SAN JUAN COUNTY, NEW MEXICO N36.65942, W108.00363



SLOPE DIRECTION

animas environmental services

Farmington, NM • Durango, CO animasenvironmental.com

DRAWN BY:	DATE DRAWN:
C. Lameman	January 26, 2017
REVISIONS BY:	DATE REVISED:
S. Glasses	August 7, 2017
CHECKED BY:	DATE CHECKED:
E. McNally	August 7, 2017
APPROVED BY:	DATE APPROVED:
E. McNally	August 7, 2017
LEG	END
FORMER SE	CONDARY ENT BERM

Field Sampling Results										
Sample ID	Date	Depth OVM (ft) (ppm)		TPH (mg/kg)						
	NMOCD A	CTION LEVEL	100	1,000						
SC-1	7/27/17	0 to 9.5	1,165	1,190						
SC-2	7/27/17	0 to 7	14.6	71.4						
SC-3	7/27/17	0 to 3	1,037	331						
SC-4	7/27/17	0 to 3	885	1,120						
SC-5	7/27/17	0 to 5.5	10.4	259						
SC-6	7/27/17	0 to 10.5	20.7	68.6						
SC-7	7/27/17	0 to 8	38.2	310						
SC-8	7/27/17	8.5 to 10.5	20.7	76.9						
SC-9	7/27/17	3 to 5.5	60.5	71.4						

SC-5

SC-9

5C-2

SC-4 🔶

SC-3

	I			Laboratory	Analytical	Results			
	Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)	Chlorides (mg/kg)
		NMOCD A	CTION LEVEL	10	50		1,000		NE
	SC-1	7/27/17	0 to 9.5	<0.081	1.3	31	450	190	550
	SC-2	7/27/17	0 to 7	< 0.016	<0.144	<3.2	<10	<50	420
	SC-3	7/27/17	0 to 3	0.020	0.262	28	140	51	340
	SC-4	7/27/17	0 to 3	< 0.017	0.46	32	470	310	1,700
	SC-5	7/27/17	0 to 5.5	< 0.018	<0.161	<3.6	73	110	1,400
	SC-6	7/27/17	0 to 10.5	< 0.018	< 0.163	<3.6	<9.2	<46	640
	SC-7	7/27/17	0 to 8	< 0.022	<0.194	<4.3	370	380	1,000
	SC-8	7/27/17	8.5 to 10.5	< 0.017	0.041	<3.4	<9.5	<47	120
SC-5	SC-9	7/27/17	3 to 5.5	< 0.017	< 0.152	<3.4	<10	<50	130
	ALL SAMPLES	WERE ANA	LYZED PER US	SEPA METH	OD 8021B,	8015D AND	300.0.		_
SC-7	RELEASE FORMER N36.6591	LOCATION BELOW GR/ 19, W108.00	ADE TANK 0368						
• SC-8	RAMP	FOI	RMER			/			
SC-1									

-FORMER SEPARATOR

FROAD

REDFERN 4 NE¼ SE¼, SECTION 16, T28N, R11W SAN JUAN COUNTY, NEW MEXICO N36.65942, W108.00363



animas environmental services

Farmington, NM • Durango, CO animasenvironmental.com

DRAWN BY:	DATE DRAWN:
C. Lameman	July 28, 2017
REVISIONS BY:	DATE REVISED:
C. Lameman	August 3, 2017
CHECKED BY:	DATE CHECKED:
E. McNally	August 3, 2017
APPROVED BY:	DATE APPROVED:
E. McNally	August 3, 2017
LEG	END
COMPOSIT	E SAMPLE LOCATIONS
FORMER SE	CONDARY



CONTAINMENT BERM

(N)

AES Field Sampling Report

Animas Environmental Services, LLC



Client: ConocoPhillips

Project Location: Redfern 4

Date: 1/26/2017

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
BGT SC-1	1/26/2017	10:05	Composite	1,075	60	3,010	10:30	20.0	1	CL

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate Total Petroleum Hydrocarbons - USEPA 418.1

Contra Analyst:

AES Field Sampling Report



Client: ConocoPhillips

Project Location: Redfern 4

Date: 1/26/2017

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials		
TH-1 @ 7'	1/26/2017	11:05	15.6	25.9	11:37	20.0	1	CL		
TH-1 @ 10'	1/26/2017	11:20	31.9	27.4	11:40	20.0	1	CL		
TH-2 @ 5'	1/26/2017	11:50	43.6	<20.0	12:19	20.0	1	CL		
TH-2 @ 10'	1/26/2017	12:05	45.0	<20.0	12:22	20.0	1	CL		
TH-3 @ 3'	1/26/2017	13:40	25.7		Not	Analyzed for T	PH			
TH-3 @ 7'	1/26/2017	13:45	3,289	1,440	13:24	20.0	1	CL		
TH-3 @ 10'	1/26/2017	13:02	916	294	13:26	20.0	1	CL		
TH-4 @ 4'	1/26/2017	13:30	1.3		Not	Analyzed for T	РH			
TH-4 @ 6'	1/26/2017	13:35	4.9	187	14:17	20.0	1	CL		
TH-4 @ 10'	1/26/2017	13:42	16.4	152	14:20	20.0	1	CL		
TH-5 @ 2'	1/26/2017	14:00	8.9	Not Analyzed for TPH						
TH-5 @ 6.5'	1/26/2017	14:05	3.2	<20.0	15:30	20.0	1	CL		
TH-5 @ 9'	1/26/2017	14:10	2.3	22.8	15:33	20.0	1	CL		
TH-6 @ 5'	1/26/2017	14:25	2.9		Not Analyzed for TPH					

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
TH-6 @ 9'	1/26/2017	14:30	2.3	<20.0	15:35	20.0	1	CL
TH-7 @ 4'	1/26/2017	14:45	35.9		Not	Analyzed for T	PH	
TH-7 @ 6'	1/26/2017	14:50	2,654	>3,060	15:40	20.0	1	CL
TH-7 @ 10'	1/26/2017	15:05	967	371	15:42	20.0	1	CL
TH-8 @ 5'	1/26/2017	14:00	3,021		Not	Analyzed for T	PH	
TH-8 @ 9'	1/26/2017	14:15	1,331	370	18:11	20.0	1	CL
TH-9 @ 2'	1/26/2017	14:20	3,408	Not Analyzed for TPH				
TH-9 @ 3'	1/26/2017	14:22	1,954	1,050	18:14	20.0	1	CL

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Cai him

AES Field Sampling Report

Animas Environmental Services, LLC



Client: ConocoPhillips

Project Location: Redfern 4

Date: 7/27/2017

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	7/27/2017	8:50	SE Wall	1,165	1,190	9:42	20.0	1	CL
SC-2	7/27/2017	8:55	South Wall	14.6	71.4	9:46	20.0	1	CL
SC-3	7/27/2017	9:00	SW Wall	1,037	331	9:51	20.0	1	CL
SC-4	7/27/2017	9:35	West Wall	885	1,120	10:23	20.0	1	CL
SC-5	7/27/2017	9:05	NW Wall	10.4	259	9:56	20.0	1	CL
SC-6	7/27/2017	9:10	NE Wall	20.7	68.6	10:00	20.0	1	CL
SC-7	7/27/2017	9:25	East Wall	38.2	310	10:27	20.0	1	CL
SC-8	7/27/2017	9:45	East Base	20.7	76.9	10:31	20.0	1	CL
SC-9	7/27/2017	9:40	West Base	60.5	71.4	10:35	20.0	1	CL

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*TPH concentrations recorded may be **below PQL**.

Total Petroleum Hydrocarbons - USEPA 418.1

Contin Analyst:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 03, 2017

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

OrderNo.: 1701B29

Dear Corwin Lameman:

RE: COPC Redfern 4

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/27/2017 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 <u>www.hallenvironmental.com</u> 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,

Only

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1701B29 Date Reported: 2/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas EnvironmentalClient Sample ID: BGT SC-1Project:COPC Redfern 4Collection Date: 1/26/2017 10:05:00 AMLab ID:1701B29-001Matrix: MEOH (SOIL)Received Date: 1/27/2017 8:40:00 AM

Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	MAB
Petroleum Hydrocarbons, TR	3700	200	mg/Kg	10	1/30/2017	29921
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	1/27/2017 4:12:28 PM	29934
EPA METHOD 8015D MOD: GASOLINE F	RANGE				Analyst	AG
Gasoline Range Organics (GRO)	520	53	mg/Kg	20	1/30/2017 3:40:28 PM	R40362
Surr: BFB	97.3	70-130	%Rec	20	1/30/2017 3:40:28 PM	R40362
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	6			Analyst	MAB
Diesel Range Organics (DRO)	1300	38	mg/Kg	4	2/2/2017 12:05:08 PM	29954
Motor Oil Range Organics (MRO)	360	190	mg/Kg	4	2/2/2017 12:05:08 PM	29954
Surr: DNOP	123	70-130	%Rec	4	2/2/2017 12:05:08 PM	29954
EPA METHOD 8260B: VOLATILES SHOP	RT LIST				Analyst	AG
Benzene	ND	0.27	mg/Kg	20	1/30/2017 3:40:28 PM	A40362
Toluene	0.42	0.27	mg/Kg	20	1/30/2017 3:40:28 PM	A40362
Ethylbenzene	1.1	0.27	mg/Kg	20	1/30/2017 3:40:28 PM	A40362
Xylenes, Total	7.0	1.1	mg/Kg	20	1/30/2017 3:40:28 PM	A40362
Surr: 1,2-Dichloroethane-d4	101	70-130	%Rec	20	1/30/2017 3:40:28 PM	A40362
Surr: 4-Bromofluorobenzene	85.2	70-130	%Rec	20	1/30/2017 3:40:28 PM	A40362
Surr: Dibromofluoromethane	117	70-130	%Rec	20	1/30/2017 3:40:28 PM	A40362
Surr: Toluene-d8	98.3	70-130	%Rec	20	1/30/2017 3:40:28 PM	A40362

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Client: Project:	Animas COPC I	Environmental Redfern 4									
Sample ID	MB-29934	SampType	ml	blk	Test	tCode: E	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch ID: 29934 RunNo: 40					0365				
Prep Date:	1/27/2017	Analysis Date	1/	27/2017	S	eqNo: 1	265328	Units: mg/K	g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-29934	SampType	: Ics	5	Test	Code: E	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	29	934	R	unNo: 4	0365				
Prep Date:	1/27/2017	Analysis Date:	1/	27/2017	S	eqNo: 1	265329	Units: mg/K	g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.9	90	110			

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

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WO#: 1701B29 03-Feb-17

Client:	Animas Environmental										
Project:	COPC Re	edfern 4									
Sample ID	MB-29921	SampType	e: Me	BLK	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	PBS	Batch ID	: 29	921	F	RunNo: 4	10360				
Prep Date:	1/27/2017	Analysis Date	: 1/	30/2017	SeqNo: 1265077 Units: mg/Kg						
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	Irocarbons, TR	ND	20								
Sample ID	Sample ID LCS-29921 SampType: LCS TestCode: EPA Method 418.1: TPH										
Client ID:	LCSS	Batch ID	: 29	921	F	RunNo: 4	10360				
Prep Date:	1/27/2017	Analysis Date	: 1/	30/2017	SeqNo: 1265078 Units: mg/Kg						
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	Irocarbons, TR	110	20	100.0	0	105	61.7	138			
Sample ID	LCSD-29921	SampType	E: LC	SD	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch ID	: 29	921	F	RunNo: 4	0360				
Prep Date: 1/27/2017 Analysis Date: 1/30/2017				30/2017	S	SeqNo: 1	265079	Units: mg/k	(g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	Irocarbons, TR	110	20	100.0	0	105	61.7	138	0	20	

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

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WO#: **1701B29** *03-Feb-17*

WO#:	1701B29
	03-Feb-17

Client:AnimasProject:COPC	Animas Environmental COPC Redfern 4									
Sample ID LCS-29954	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 29	954	F	RunNo: 4	0391				
Prep Date: 1/30/2017	Analysis D	ate: 1/	31/2017	SeqNo: 1266205 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	63.8	116			
Surr: DNOP	5.3		5.000		106	70	130			
Sample ID MB-29954	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	1D: 29	954	F	RunNo: 4	0391				
Prep Date: 1/30/2017	Analysis D	ate: 1/	31/2017	5	eqNo: 1	266207	Units: mg/h	٢g		
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	10		10.00		102	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
- 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 4 of 6

Client: Animas	ent: Animas Environmental									
Project: COPC	Redfern 4									
Sample ID rb	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8260B: Vola	tiles Short	t List	
Sample ID rbSampType: MBLKClient ID:PBSBatch ID:A40362Prep Date:Analysis Date:1/30/2017AnalyteResultPQLSPK vaBenzeneND0.025TolueneND0.050EthylbenzeneND0.050Xylenes, TotalND0.10Surr: 1,2-Dichloroethane-d40.490.50Surr: 2-Bromofluorobenzene0.490.50Surr: Toluene-d80.500.50			0362	F	RunNo: 4	0362				
Dicititib. PB0	Dato		0002			0002				
Prep Date:	mple ID rb SampType: MBLK ent ID: PBS Batch ID: A40362 ep Date: Analysis Date: 1/30/2017 alyte Result PQL SPK value zene ND 0.025 ibenzene ND 0.050 ibenzene ND 0.050 urr: 1,2-Dichloroethane-d4 0.49 0.500 urr: Dibromofluorobenzene 0.49 0.500 urr: Dibromofluoromethane 0.56 0.500 mple ID 100ng Ics SampType: LCS ent ID: LCSS Batch ID: A40362			2	SeqNo: 1	265201	Units: mg/r	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: 1,2-Dichloroethane-d4	0.49		0.5000		97.9	70	130			
Surr: 4-Bromofluorobenzene 0.49			0.5000		98.8	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			
Sample ID 100ng Ics	SampT	Type: LC	s	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: LCSS	Batcl	h ID: A4	0362	F	RunNo: 4	0362				
Prep Date:	Analysis D	Date: 1/	30/2017	S	SeqNo: 1	265823	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	110	70	130			
Toluene	0.98	0.050	1.000	0	98.4	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.1	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.49		0.5000		98.2	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
- 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

WO#: **1701B29** *03-Feb-17*

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WO#:	1701B29
	03-Feb-17

Client: Ani Project: CO	mas Environmental PC Redfern 4								
Sample ID rb	SampType: N	IBLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch ID: F	R40362	F	RunNo: 4	0362				
Prep Date:	Analysis Date:	1/30/2017	S	265206	Units: mg/l	٢g			
Analyte Result PQL SPK value			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	O) ND 5.0	D							
Surr: BFB	500	500.0		99.7	70	130			
Sample ID 2.5ug gro lo	s SampType: L	.CS	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batch ID: F	40362	F	RunNo: 4	0362				
Prep Date:	Analysis Date:	1/30/2017	5	SeqNo: 1	265794	Units: mg/l	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	0) 26 5.0	25.00	0	104	62.9	123			
Surr: BFB	500	500.0		100	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
- 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 6 of 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta Alt TEL: 505-345-397. Website: www.h	l Analysis Labora 4901 Hawkins buquergue, NM 87 5 FAX: 505-345-4 allenvironmental.	tory s NE 7109 Sam 9107 com	Sample Log-In Check List							
Client Name: Animas Environmental	Work Order Number	r: 1701B29		RcptNo: 1							
Received by/date: RE	01/2-1/1-	1									
Logged By: Ashley Gallegos	1/27/2017 8:40:00 AM	1	AJ								
Completed By: Ashley Gallegos	1/27/2017 9:13:36 AN	1	AZ								
Reviewed By: CUT	112716	17	V								
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 İ. I							
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	y 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 broke	n?	Yes	No 🔽	[
				# of preserved bottles checked							
12. Does paperwork match bottle labels?		Yes 🖌	No	for pH: (<2 or >12 unless n							
13 Are matrices correctly identified on Chain of (Custody?	Yes V	No []	Adjusted?							
14. Is it clear what analyses were requested?	outouy.	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 the	nis order?	Yes []]	No	NA 🗹							
Person Notified:	Date	CM, 9, FA & 2 MERINAL & STOCKED	8.57.15.16.19.19.19.19.7.19.1.F.								
By Whom:	Via:	eMail []] F	hone 门 Fax	In Person							
Regarding:	er som en	INCOLUMN AND AND AND AND AND AND AND AND AND AN	TELECOLOUR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR C	anna anna ann ann ann ann ann ann ann a							
Client Instructions:	an dan dan dipertekan dan dan dan dan dan dan dan dan dan d	anda manimi fa an	-ar Antoleti bel bakan menunan ana ar marangan da	under sind der Bergener under Bergereiten der Bergereiten der Bergereiten der Bergereiten der Bergereiten der B							
17. Additional remarks:				an and a second se							
Cooler Information	Intert Section	Soal Data	Signed Du								
1 1.7 Good Ves	ai mtact Seal No	Sear Date	Signed By								

UII	ant: Animas Environmental Services, LLC								H	ALL	EN	IVI	RO	NM	ENT	AL		
lient:	Animas	Enviror	nmental Services, LLC	Standard	X Rush_3	-Day Turnaround				A	IAL	YS	IS	LAE	OR	ATC	DR'	Y
				Project Name:						V	ww.h	allen	vironr	nental	.com			
ailing Ad	dress:	604 W	Pinon St.		COPC Redfe	ern 4	4901 Hawkins NE - Albuquerque, NM 87109											
		Farming	gton, NM 87401	Project #:			Tel. 505-345-3975 Fax 505-345-4107											
hone #:	505-564	-2281									А	nalys	is Re	eques	t			
mail or Fa	ax#:	clamema	n@animasenvironmental.c	Project Manag	ler:					Ô								
A/QC Pac	kage:			C. Lameman/E. McNally						W								
Standar	ď		Level 4 (Full Validation)							DRO								
ccreditati	on:	CT Other		Sampler:	CL					RO/								
EDD (T	vpe)		and a second	Sample Temperature: 1.9-CF-0.1=1.8					0	0								N N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - EPA 418.1	Chlorides - 300.	TPH - EPA 8015								Air Bubbles (Y o
1/26/17	10:05	SOIL	BGT SC-1	MeOH Kit 1 - 4 oz jars	MeOH cool	-001	х	х	х	х								
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ite:	Time:	Relinquish	ed by:	Received by:		Date Time	Rer	nark	s: Bil	I to C	onoco	Philli	ps			·		
126/17	1749	Ca	-h-	Must	Jack	1/20/17/1749	Sup) #: 1)ervi: ERID	039(sor:): KA	J391 Micha ITLW	el Wis	sing		Ca	ll with	Quest	ions	
ite:	1963	Relinquish	ed by:	Received by: Date Time			Are	a: 2 ered	by:	Lisa I	lunter	9						
12411	1	1 100				· · · ·											1. 17. 1	

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

August 01, 2017

Corwin Lameman Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: FAX

OrderNo.: 1707E29

RE: COPC Redfern 4

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/28/2017 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 <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	PQL Qual	Units	DF Date Analyzed
Lab ID:	1707E29-001	Matrix:	MEOH (SOIL)	Received	Date: 7/28/2017 8:50:00 AM
Project:	COPC Redfern 4			Collection	Date: 7/27/2017 8:50:00 AM
CLIENT:	Animas Environmental		(lient Samp	le ID: SC-1

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	550	30	mg/Kg	20	7/28/2017 10:38:51 AM	33064
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	том
Diesel Range Organics (DRO)	450	9.9	mg/Kg	1	7/28/2017 12:15:50 PM	33061
Motor Oil Range Organics (MRO)	190	50	mg/Kg	1	7/28/2017 12:15:50 PM	33061
Surr: DNOP	104	70-130	%Rec	1	7/28/2017 12:15:50 PM	33061
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst:	NSB
Gasoline Range Organics (GRO)	31	16	mg/Kg	5	7/28/2017 10:40:42 AM	G44585
Surr: BFB	144	54-150	%Rec	5	7/28/2017 10:40:42 AM	G44585
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.081	mg/Kg	5	7/28/2017 10:40:42 AM	B44585
Toluene	ND	0.16	mg/Kg	5	7/28/2017 10:40:42 AM	B44585
Ethylbenzene	ND	0.16	mg/Kg	5	7/28/2017 10:40:42 AM	B44585
Xylenes, Total	1.3	0.33	mg/Kg	5	7/28/2017 10:40:42 AM	B44585
Surr: 4-Bromofluorobenzene	117	66.6-132	%Rec	5	7/28/2017 10:40:42 AM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	matrix W Sample container temperature is out of 1		

Analytical Report Lab Order 1707E29

Date Reported: 8/1/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Client Sample ID: SC-4 Project: COPC Redfern 4 Collection Date: 7/27/2017 9:35:00 AM Lab ID: 1707E29-002 Received Date: 7/28/2017 8:50:00 AM Matrix: MEOH (SOIL) Analysos Docult POI Qual Unite DE Date Analyzed

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	JRR
Chloride	1700	75		mg/Kg	50	7/28/2017 11:53:18 AM	33064
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	CS				Analyst:	том
Diesel Range Organics (DRO)	470	9.5		mg/Kg	1	7/28/2017 12:40:34 PM	33061
Motor Oil Range Organics (MRO)	310	48		mg/Kg	1	7/28/2017 12:40:34 PM	33061
Surr: DNOP	96.4	70-130		%Rec	1	7/28/2017 12:40:34 PM	33061
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst:	NSB
Gasoline Range Organics (GRO)	32	3.4		mg/Kg	1	7/28/2017 11:04:30 AM	G44585
Surr: BFB	373	54-150	S	%Rec	1	7/28/2017 11:04:30 AM	G44585
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.017		mg/Kg	1	7/28/2017 11:04:30 AM	B44585
Toluene	ND	0.034		mg/Kg	1	7/28/2017 11:04:30 AM	B44585
Ethylbenzene	ND	0.034		mg/Kg	1	7/28/2017 11:04:30 AM	B44585
Xylenes, Total	0.46	0.067		mg/Kg	1	7/28/2017 11:04:30 AM	B44585
Surr: 4-Bromofluorobenzene	125	66.6-132		%Rec	1	7/28/2017 11:04:30 AM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected
	D	Sample Diluted Due to Matrix	Е	Value above quan
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In
	PQL	Practical Quanitative Limit	RL	Reporting Detecti
	S	% Recovery outside of range due to dilution or matrix	W	Sample container

- in the associated Method Blank
- ntitation range
- below quantitation limits Page 2 of 6
- n Range
- ion Limit
- temperature is out of limit as specified

14

1.5

15.00

Client: Project:	Animas E COPC Re	Environmental edfern 4							
Sample ID	MB-33064	SampType: M	BLK	TestCo	de: EPA Method	300.0: Anion	S		
Client ID:	PBS	Batch ID: 33	3064	RunNo: 44581					
Prep Date:	7/28/2017	Analysis Date: 7	/28/2017	Seq	No: 1410134	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val %	REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5							
Sample ID	LCS-33064	SampType: LC	CS	TestCo	de: EPA Method	300.0: Anion	S		
Client ID:	LCSS	Batch ID: 33	3064	Run	No: 44581				
Prep Date:	7/28/2017	Analysis Date: 7	/28/2017	Seq	No: 1410135	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val %	REC LowLimit	HighLimit	%RPD	RPDLimit	Qual

0

91.8

90

110

Qualifiers:

Chloride

- * 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
- PQL Practical Quanitative Limit
- 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 3 of 6

WO#: **1707E29** *01-Aug-17*

WO#:	1707E29
	01-Aug-17

Client: Animas Project: COPC	Environment Redfern 4	al								
Sample ID LCS-33061	s	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch I	D: 33	061	F	RunNo: 4	4578				
Prep Date: 7/28/2017	Analysis Da	te: 7/	28/2017	5	SeqNo: 1	409395	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.2	73.2	114			
Surr: DNOP	4.0		5.000		80.2	70	130			
Sample ID MB-33061	SampTy	be: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch I	D: 33	061	F	RunNo: 4	4578				
Prep Date: 7/28/2017	Analysis Dat	te: 7/	28/2017	S	SeqNo: 1	409398	Units: mg/h	٢g		
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	9.7		10.00		97.4	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
- PQL Practical Quanitative Limit
- 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 4 of 6

WO#:	1	707	'E29)
	10.000			

01-Aug-17

Client: Animas Project: COPC H	Environme Redfern 4	ental								
Sample ID RB	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	е	
Client ID: PBS	Batc	h ID: G4	4585	RunNo: 44585						
Prep Date:	Analysis [Date: 7/	28/2017	S	SeqNo: 1	409798	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	54	150			
Sample ID 2.5UG GRO LCS	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batc	h ID: G4	4585	F	RunNo: 4	4585				
Prep Date:	Analysis [Date: 7/	28/2017	5	SeqNo: 1	409799	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.2	76.4	125			
Surr: BFB	1100		1000		109	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
- PQL Practical Quanitative Limit
- 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 6

Client:	Animas Environm	ental								
Project:	COPC Redfern 4									
Sample ID RB	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Bat	ch ID: B4	4585	RunNo: 44585						
Prep Date:	Analysis	Date: 7/	28/2017	5	SeqNo: 1	409814	Units: mg/k	٢g		
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-Bromofluoro	bbenzene 1.1		1.000		113	66.6	132			
Sample ID 100N	IG BTEX LCS Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCS	S Bat	ch ID: B4	4585	F	RunNo: 4	4585				
Prep Date:	Analysis	Date: 7/	28/2017	S	SeqNo: 1	409815	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.0	80	120			
Toluene	0.85	0.050	1.000	0	84.6	80	120			
Ethylbenzene	0.86	0.050	1.000	0	86.3	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.4	80	120			
Surr: 4-Bromofluoro	benzene 1.2		1.000		115	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
- PQL Practical Quanitative Limit
- 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 6 of 6

WO#: **1707E29** *01-Aug-17*

HALL ENVIRONMEN ANALYSIS LABORATORY	TAL	Hall Environmental Albu Albu TEL: 505-345-3975 Website: www.hal	Analysi 4901 querqu FAX: 5 llenviro	is Laboratory Hawkins NE e, NM 87109 05-345-4107 onmental.com	Sample Log-In Check List			
Client Name: Animas	Environmental	Work Order Number:	1707	E29		RcptNo: 1		
Received By: Erin Me Completed By: Ashley Reviewed By:	Gallegos	7/28/2017 8:50:00 AM 7/28/2017 9:07:38 AM 7/28/17		UL A	FF FF	5		
Chain of Custody 1. Custody seals intact of 2. Is Chain of Custody co 3. How was the sample of Log In	n sample bottles? omplete? lelivered?		Yes Yes <u>Cour</u>	□ ☑	No 🗌 No 🗌	Not Present ☑		
4. Was an attempt made	to cool the samples?	,	Yes	\checkmark	No 🗌			
5. Were all samples rece	ived at a temperature	of >0° C to 6.0°C	Yes		No 🗆	NA 🗌		
6. Sample(s) in proper co	ontainer(s)?		Yes	\checkmark	No 🗌			
7. Sufficient sample volu	me for indicated test(\$)?	Yes					
 Are samples (except v Was preservative adde 	OA and ONG) propered to bottles?	ly preserved?	Yes			NA 🗔		
10.VOA vials have zero h 11. Were any sample con 12. Does paperwork match	eadspace? tainers received broke n bottle labels?	en?	Yes Yes Yes		No 🗌 No 🗹 No 🗌	No VOA Vials # of preserved bottles checked for pH: (<2 or >12 unless poted)		
(Note discrepancies or 13 Are matrices correctly	identified on Chain of	Custody?	Yes		No 🗆	Adjusted?		
14. Is it clear what analyse	s were requested?		Yes	\checkmark	No 🗌			
15. Were all holding times (If no, notify customer	able to be met? for authorization.)		Yes		No 🗌	Checked by:		
Special Handling (if a	applicable)							
16. Was client notified of a	Il discrepancies with	this order?	Yes		No 🗌	NA 🗹		
Person Notified: By Whom: Regarding: Client Instruction	s:	Date Via: [] eMa	ail 📋 Phone	e [] Fax	In Person		
17. Additional remarks: 18. <u>Cooler Information</u> <u>Cooler No Temp</u> 1 2.1	⁰C Condition Se Good Yes	eal Intact Seal No S	Seal D	ate Sign	ned By			
Page 1 of 1								

Client:	Anima	s Enviro	nmental Services, LLC	Standard Project Name:	X Rush_S	ame-Day TAT				H A	AL NA	LI LI	EN (S)	VI IS		BC		EN1 AT	OR	Y
Mailing Ad	Idress:	604 W	Pinon St.		COPC Redf	ern 4		49	01 H	lawk	ins N	NE -	Alb	ouqu	erau	e. N	M 87	/109		
		Farmin	gton, NM 87401	Project #:	roject #: Tel. 505-345-3975 Fax 505-345-4107															
Phone #:	505-564	-2281										Ana	alysi	is Re	eque	est				
Email or F	ax#:	clamema	an@animasenvironmental.c	Project Manag	ger:			0°												
QA/QC Pac	kage:			l	C. Lamemai	n/E. McNally		O/MF												
Accreditation:			Sampler	CL/S.I			/DR													
□ NELAP □ Other			On Ice:	X Yes	D No		SRO													
EDD (T	ype)			Sample Temp	erature: Z			5 (0	0.											N N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - EPA 801	Chlorides - 300											Air Bubbles (Y
7/27/17	8:50	SOIL	SC-1	MeOH Kit 2 - 4 oz jars	MeOH cool	-001	x	х	Х											
7/27/17	9:35	SOIL	SC-4	MeOH Kit 2 - 4 oz jars	MeOH cool	-002	х	х	х											
																		_	+	-
																			+	
																				-
																			1	
																			\rightarrow	
Date:	Time:	Relinquishe	ed by:	Received by:		Date Time	Ren WO	nark:) #: 1	s: Bil 0390	l to C 391	ono	co P	hillip	s						
Date? Time: Relinquished by:			Received by: Date Time 0850			Supervisor: Chad Perkins USERID: KAITLW Call with Questions Area: 2														
127/17 1840 Minter Walter			NH	>	7/28/17	Ord	eleo	by.	Liod	Tunt	ei									

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

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

August 04, 2017

Corwin Lameman Animas Environmental Services 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

RE: COPC Redfern 4

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

OrderNo.: 1707E30

Dear Corwin Lameman:

Hall Environmental Analysis Laboratory received 7 sample(s) on 7/28/2017 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 <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1707E30

Date Reported: 8/4/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: SC-2 COPC Redfern 4 **Project:** Collection Date: 7/27/2017 8:55:00 AM 1707E30-001 Lab ID: Matrix: MEOH (SOIL) Received Date: 7/28/2017 8:50:00 AM

Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	420	30	mg/Kg	20	7/31/2017 12:14:26 PM	33090
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	s			Analyst	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/31/2017 8:45:42 PM	33075
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/31/2017 8:45:42 PM	33075
Surr: DNOP	92.1	70-130	%Rec	1	7/31/2017 8:45:42 PM	33075
EPA METHOD 8015D: GASOLINE RANGE	Ξ				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	7/28/2017 1:51:26 PM	G44585
Surr: BFB	103	54-150	%Rec	1	7/28/2017 1:51:26 PM	G44585
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.016	mg/Kg	1	7/28/2017 1:51:26 PM	B44585
Toluene	ND	0.032	mg/Kg	1	7/28/2017 1:51:26 PM	B44585
Ethylbenzene	ND	0.032	mg/Kg	1	7/28/2017 1:51:26 PM	B44585
Xylenes, Total	ND	0.064	mg/Kg	1	7/28/2017 1:51:26 PM	B44585
Surr: 4-Bromofluorobenzene	114	66.6-132	%Rec	1	7/28/2017 1:51:26 PM	B44585

Qualifiers:	* Value exceeds Maximum Contaminant Level.		В	Analyte detected in the associat
	D	Sample Diluted Due to Matrix	E	Value above quantitation range

- H Holding times for preparation or analysis exceeded J
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- ted Method Blank
- - Analyte detected below quantitation limits Page 1 of 11
 - Р Sample pH Not In Range
 - RL Reporting Detection Limit
 - Sample container temperature is out of limit as specified W

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: SC-3 **Project:** COPC Redfern 4 Collection Date: 7/27/2017 9:00:00 AM Lab ID: 1707E30-002 Matrix: MEOH (SOIL) Received Date: 7/28/2017 8:50:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	340	30	mg/Kg	20	7/31/2017 12:51:39 PM	33090
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	CS			Analyst:	TOM
Diesel Range Organics (DRO)	140	9.3	mg/Kg	1	7/31/2017 10:00:34 PM	33075
Motor Oil Range Organics (MRO)	51	47	mg/Kg	1	7/31/2017 10:00:34 PM	33075
Surr: DNOP	88.0	70-130	%Rec	1	7/31/2017 10:00:34 PM	33075
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	NSB
Gasoline Range Organics (GRO)	28	3.5	mg/Kg	1	7/28/2017 2:15:18 PM	G44585
Surr: BFB	246	54-150	S %Rec	1	7/28/2017 2:15:18 PM	G44585
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	0.020	0.017	mg/Kg	1	7/28/2017 2:15:18 PM	B44585
Toluene	ND	0.035	mg/Kg	1	7/28/2017 2:15:18 PM	B44585
Ethylbenzene	0.052	0.035	mg/Kg	1	7/28/2017 2:15:18 PM	B44585
Xylenes, Total	0.19	0.069	mg/Kg	1	7/28/2017 2:15:18 PM	B44585
Surr: 4-Bromofluorobenzene	123	66.6-132	%Rec	1	7/28/2017 2:15:18 PM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the
	D	Sample Diluted Due to Matrix	Е	Value above quantitation
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- associated Method Blank
- on range
 - Analyte detected below quantitation limits Page 2 of 11 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

3 of 11

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: SC-5 COPC Redfern 4 **Project:** Collection Date: 7/27/2017 9:05:00 AM Lab ID: 1707E30-003 Matrix: MEOH (SOIL) Received Date: 7/28/2017 8:50:00 AM

Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	1400	75	mg/Kg	50	8/2/2017 11:10:14 AM	33090
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	CS			Analyst:	ТОМ
Diesel Range Organics (DRO)	73	9.7	mg/Kg	1	7/31/2017 10:25:43 PM	33075
Motor Oil Range Organics (MRO)	110	48	mg/Kg	1	7/31/2017 10:25:43 PM	33075
Surr: DNOP	88.3	70-130	%Rec	1	7/31/2017 10:25:43 PM	33075
EPA METHOD 8015D: GASOLINE RANGE	Ξ				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	7/28/2017 2:39:04 PM	G44585
Surr: BFB	105	54-150	%Rec	1	7/28/2017 2:39:04 PM	G44585
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.018	mg/Kg	1	7/28/2017 2:39:04 PM	B44585
Toluene	ND	0.036	mg/Kg	1	7/28/2017 2:39:04 PM	B44585
Ethylbenzene	ND	0.036	mg/Kg	1	7/28/2017 2:39:04 PM	B44585
Xylenes, Total	ND	0.071	mg/Kg	1	7/28/2017 2:39:04 PM	B44585
Surr: 4-Bromofluorobenzene	114	66.6-132	%Rec	1	7/28/2017 2:39:04 PM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 1
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT:Animas Environmental ServicesClient Sample ID: SC-6Project:COPC Redfern 4Collection Date: 7/27/2017 9:10:00 AMLab ID:1707E30-004Matrix: MEOH (SOIL)Received Date: 7/28/2017 8:50:00 AM

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	640	30	mg/Kg	20	7/31/2017 1:16:28 PM	33090
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	том
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	7/31/2017 10:50:38 PM	33075
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/31/2017 10:50:38 PM	33075
Surr: DNOP	101	70-130	%Rec	1	7/31/2017 10:50:38 PM	33075
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	7/28/2017 3:03:01 PM	G44585
Surr: BFB	101	54-150	%Rec	1	7/28/2017 3:03:01 PM	G44585
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.018	mg/Kg	1	7/28/2017 3:03:01 PM	B44585
Toluene	ND	0.036	mg/Kg	1	7/28/2017 3:03:01 PM	B44585
Ethylbenzene	ND	0.036	mg/Kg	1	7/28/2017 3:03:01 PM	B44585
Xylenes, Total	ND	0.073	mg/Kg	1	7/28/2017 3:03:01 PM	B44585
Surr: 4-Bromofluorobenzene	112	66.6-132	%Rec	1	7/28/2017 3:03:01 PM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report Lab Order 1707E30

Date Reported: 8/4/2017

Batch

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SC-7 **CLIENT:** Animas Environmental Services Project: COPC Redfern 4 Collection Date: 7/27/2017 9:25:00 AM Lab ID: 1707E30-005 Matrix: MEOH (SOIL) Received Date: 7/28/2017 8:50:00 AM Result PQL Qual Units **DF** Date Analyzed Analyses EPA METHOD 300 0. ANIONS Analyst MRA

EPA METHOD 300.0: ANIONS					Analyst.	WIKA
Chloride	1000	30	mg/Kg	20	7/31/2017 1:28:52 PM	33090
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	том
Diesel Range Organics (DRO)	370	9.6	mg/Kg	1	7/31/2017 11:15:43 PM	33075
Motor Oil Range Organics (MRO)	380	48	mg/Kg	1	7/31/2017 11:15:43 PM	33075
Surr: DNOP	97.9	70-130	%Rec	1	7/31/2017 11:15:43 PM	33075
EPA METHOD 8015D: GASOLINE RANGE	1				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	7/28/2017 4:38:45 PM	G44585
Surr: BFB	108	54-150	%Rec	1	7/28/2017 4:38:45 PM	G44585
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.022	mg/Kg	1	7/28/2017 4:38:45 PM	B44585
Toluene	ND	0.043	mg/Kg	1	7/28/2017 4:38:45 PM	B44585
Ethylbenzene	ND	0.043	mg/Kg	1	7/28/2017 4:38:45 PM	B44585
Xylenes, Total	ND	0.086	mg/Kg	1	7/28/2017 4:38:45 PM	B44585
Surr: 4-Bromofluorobenzene	114	66.6-132	%Rec	1	7/28/2017 4:38:45 PM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 11
	ND Not Detected at the Reporting Limit		Р	Sample pH Not In Range
PQL Practical Quanitative Limit		RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1707E30

Date Reported: 8/4/2017

CLIENT: Project: Lab ID:	Animas Environmental Services COPC Redfern 4 1707E30-006	Matrix:	MEOH (SOIL)	Client Sam Collection Received	lient Sample ID: SC-8 Collection Date: 7/27/2017 9:45:00 AM Received Date: 7/28/2017 8:50:00 AM					
Analyses		Result	PQL Qual	Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst	MRA			
Chloride		120	30	mg/Kg	20	7/31/2017 2:06:05 PM	33090			
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	TOM			
Diesel Ra	ange Organics (DRO)	ND	9.5	mg/Kg	1	7/31/2017 11:40:37 PM	33075			
Motor Oil	Range Organics (MRO)	ND	47	mg/Kg	1	7/31/2017 11:40:37 PM	33075			
Surr: E	DNOP	89.3	70-130	%Rec	1	7/31/2017 11:40:37 PM	33075			
EPA MET	HOD 8015D: GASOLINE RANGI	Ξ				Analyst:	NSB			
Gasoline	Range Organics (GRO)	ND	3.4	mg/Kg	1	7/28/2017 5:02:37 PM	G44585			
Surr: E	3FB	103	54-150	%Rec	1	7/28/2017 5:02:37 PM	G44585			
EPA MET	HOD 8021B: VOLATILES					Analyst:	NSB			
Benzene		ND	0.017	mg/Kg	1	7/28/2017 5:02:37 PM	B44585			

FAML HOD 0021D. VOLAHLLS					/ thaty of	NOD
Benzene	ND	0.017	mg/Kg	1	7/28/2017 5:02:37 PM	B44585
Toluene	0.041	0.034	mg/Kg	1	7/28/2017 5:02:37 PM	B44585
Ethylbenzene	ND	0.034	mg/Kg	1	7/28/2017 5:02:37 PM	B44585
Xylenes, Total	ND	0.067	mg/Kg	1	7/28/2017 5:02:37 PM	B44585
Surr: 4-Bromofluorobenzene	113	66.6-132	%Rec	1	7/28/2017 5:02:37 PM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Lab ID:

Client Sample ID: SC-9 **CLIENT:** Animas Environmental Services Project: COPC Redfern 4 Collection Date: 7/27/2017 9:40:00 AM 1707E30-007 Matrix: MEOH (SOIL) Received Date: 7/28/2017 8:50:00 AM

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	130	30	mg/Kg	20	7/31/2017 2:18:30 PM	33090
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/1/2017 12:05:42 AM	33075
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	8/1/2017 12:05:42 AM	33075
Surr: DNOP	88.1	70-130	%Rec	1	8/1/2017 12:05:42 AM	33075
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	7/28/2017 5:26:30 PM	G44585
Surr: BFB	101	54-150	%Rec	1	7/28/2017 5:26:30 PM	G44585
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.017	mg/Kg	1	7/28/2017 5:26:30 PM	B44585
Toluene	ND	0.034	mg/Kg	1	7/28/2017 5:26:30 PM	B44585
Ethylbenzene	ND	0.034	mg/Kg	1	7/28/2017 5:26:30 PM	B44585
Xylenes, Total	ND	0.067	mg/Kg	1	7/28/2017 5:26:30 PM	B44585
Surr: 4-Bromofluorobenzene	113	66.6-132	%Rec	1	7/28/2017 5:26:30 PM	B44585

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 7 of 11
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: **1707E30** *04-Aug-17*

Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Anii COI	mas Environmental PC Redfern 4	Services							
Sample ID	MB-33090	SampType:	MBLK	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID:	PBS	Batch ID:	33090	F	RunNo: 44	609				
Prep Date:	7/31/2017	Analysis Date:	7/31/2017	5	SeqNo: 14	11294	Units: mg/K	g		
Analyte Chloride		Result PC ND	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID	LCS-33090	SampType:	LCS	Tes	tCode: EP	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	33090	F	RunNo: 44	609				
Prep Date:	7/31/2017	Analysis Date:	7/31/2017	5	SeqNo: 14	11295	Units: mg/K	g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	94.3	90	110			

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 8 of 11

WO#:	1707E30
	04-Aug-17

Client: Project:	Animas E COPC Re	Environme edfern 4	ntal Ser	vices							
110jeet.	COLCIN										
Sample ID	LCS-33075	SampT	Type: LC	s	Tes	tCode: E	PA Method	8015M/D: D	iesel Rang	e Organics	
Client ID:	LCSS	Batch	h ID: 33	075	F	RunNo: 4	4604				
Prep Date:	7/28/2017	Analysis D	Date: 7	/31/2017	5	SeqNo: 1	410830	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	46	10	50.00	0	91.2	73.2	114			
Surr: DNOP		4.4		5.000		87.2	70	130			
Sample ID	MB-33075	SampT	уре: МІ	BLK	Tes	tCode: E	PA Method	8015M/D: Di	iesel Rang	e Organics	
Client ID:	PBS	Batch	h ID: 33	075	F	RunNo: 4	4604				
Prep Date:	Prep Date: 7/28/2017 Analysis Date: 7/31/2017 SeqNo: 1410831 Units: mg/Kg										
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
Motor Oil Rang	ge Organics (MRO)	ND	50								
Surr: DNOP		8.5		10.00		85.3	70	130			
Sample ID	1707E30-001AMS	SampT	ype: MS	S	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	SC-2	Batch	n ID: 33	075	F	RunNo: 4	4603				
Prep Date:	7/28/2017	Analysis D	Date: 7/	/31/2017	S	SeqNo: 1	410913	Units: mg/I	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	41	9.6	47.76	0	85.9	55.8	122			
Surr: DNOP		4.3		4.776		90.1	70	130			
Sample ID	1707E30-001AMS	D SampT	уре: М	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	D: SC-2 Batch ID: 33075 RunNo: 44603										
Prep Date:	7/28/2017	Analysis D	Date: 7/	31/2017	S	SeqNo: 1	410914	Units: mg/l	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	44	9.8	48.88	0	90.9	55.8	122	10.1	20	
Surr: DNOP		4.0		4.888		82.3	70	130	0	0	

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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

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Client: Project:	Animas I COPC R	Environme edfern 4	ental Ser	vices								
Sample ID	RB	Samp	Гуре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	le		
Client ID:	PBS	Batc	h ID: G4	14585	F	RunNo: 4	4585					
Prep Date:		Analysis [Date: 7/	28/2017	S	SeqNo: 1	409798	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range	e Organics (GRO)	ND	5.0									
Surr: BFB		1000		1000		101	54	150				
Sample ID	2.5UG GRO LCS	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e		
Client ID:	LCSS	Batc	h ID: G4	4585	F	RunNo: 4	4585					
Prep Date:		Analysis I	Date: 7/	28/2017	S	eqNo: 1	409799	Units: mg/M	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range	e Organics (GRO)	25	5.0	25.00	0	99.2	76.4	125				
Surr: BFB		1100		1000		109	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
- PQL Practical Quanitative Limit
- 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

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WO#: 1707E30 04-Aug-17

Client: Project:	Animas Environme COPC Redfern 4	ental Ser	vices												
Sample ID RB	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles							
Client ID: PBS	Bato	h ID: B4	4585	F	RunNo: 4	4585									
Prep Date:	Analysis	Date: 7/	28/2017	S	SeqNo: 1	409814	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-Bromofluoro	benzene 1.1		1.000		113	66.6	132								
Sample ID 100N	G BTEX LCS Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles							
Client ID: LCSS	Bato	h ID: B4	4585	F	RunNo: 4	4585									
Prep Date:	Analysis I	Date: 7/	28/2017	S	SeqNo: 1	409815	Units: mg/K	g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	0.85	0.025	1.000	0	85.0	80	120								
Toluene	0.85	0.050	1.000	0	84.6	80	120								
Ethylbenzene	0.86	0.050	1.000	0	86.3	80	120								
Xylenes, Total	2.6	0.10	3.000	0	86.4	80	120								
Surr: 4-Bromofluorol	penzene 12		1 000		115	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
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
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- P Sample pH Not In Range
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WO#: 1707E30 04-Aug-17

HALL ENVIR ANALY LABOR	ONMENTA SIS RATORY	NL.	Hall Environ TEL: 505-34 Website: v	nmental An Albuqu 15-3975 FA www.haller	alysis 1901 erque X: 50 wiron	Laboratory Hawkins NE , NM 87109 15-345-4107 imental.com	San	nple Log-In Ch	eck List
Client Name:	Animas Env	vironmental	Work Order N	umber: 1	707E	30		RcptNo: 1	
Received By:	Erin Meler	ndrez	7/28/2017 8:50:	00 AM		N	MA	7	
Completed By: Reviewed By:	Ashley Ga ENM	llegos	7/28/2017 9:17: 7/28/17	05 AM		÷	Ð		
Chain of Cus	tody								
1. Custody sea	Is intact on s	ample bottles?			Yes		No 🗌	Not Present 🗹	
2. Is Chain of C	Custody comp	olete?		`	res	\checkmark	No 🗌	Not Present	
3. How was the	e sample deliv	vered?		<u>c</u>	Couri	<u>er</u>			
Log In								_	
4. Was an atte	mpt made to	cool the samples'	?		Yes		No 🗌	NA	
5. Were all san	nples raceiva	d at a temperature	e of >0° C to 6.0°	C Y	'es	~	No 🗌	NA 🗌	
6. Sample(s) in	proper cont	ainer(s)?			Yes		No 🗆		
7. Sufficient sar	mple volume	for indicated test(s)?	,	res	\checkmark	No 🗌		
8. Are samples	(except VOA	and ONG) prope	ny preserved?	1	res	\checkmark	No 🗌		
9. Was preserve	ative added t	o bottles?		,	res		No 🗹	NA 🗌	
10.VOA vials ha	ive zero head	Ispace?		`	res		No 🗌	No VOA Vials 🗹	
11. Were any sa	imple contair	ers received brok	en?		Yes		No 🗹	# of preserved	
12. Does paperw (Note discrep	vork match be pancies on ch	ottle labels? nain of custody)		`	res		No 🗌	for pH: (<2 or	>12 unless noted)
13. Are matrices	correctly ide	ntified on Chain of	f Custody?	`	/es	\checkmark	No 🗌	Adjusted?	
14, Is it clear what	at analyses v	vere requested?		1	res		No 🗌		
15. Were all hold (If no, notify o	fing times ab customer for	le to be met? authorization.)		1	res		No 🗆	Checked by:	
Special Hand	ling (if ap	olicable)							
16. Was client no	otified of all d	iscrepancies with	this order?	`	res		No 🗆	NA 🗹	
Person	Notified:		[Date		_	_		
By Who	om:			/ia: 📋	eMa	I [] Phone	e 📋 Fax	In Person	
Regard	ing:						000.00000.000		
17. Additional re	emarks:	1							
40									
18. <u>Cooler Info</u> Cooler No 1	Temp °C 2.1	Condition S Good Ye	eal Intact Seal N s	No Sea	al Dai	te Sigr	ned By	-	
Page 1 of	[]							a ta manana ina dia dia dia di	

Client	U-IIIb	I-CUS	LOUY RECORD					Н	AL	LI	EN	VI	R	ON	ME	ENT	ΓΑΙ	_		
Cherit.	Animas	SERVIO	nmental Services, LLC	Standard	X Rush_3	-Day TAT				A	NA	L	(SI	[S	LA	B	DR/		OR	Y
				Project Name:							www	v.hal	lenv	ironi	men	tal.c	om			
Mailing Ad	dress:	604 W	Pinon St.		COPC Redf	ern 4		49	01 F	lawk	ins M	NE -	Alb	uqu	erqu	Je, N	IM 87	109		
		Farmin	gton, NM 87401	Project #:				Te	el. 5	05-3	45-3	975	1	Fax	505	-345	5-410	7		
Phone #:	505-564	-2281										Ana	alysi	is Re	equ	est				
Email or Fa	ax#:	clamema	m@animasenvironmental.c	Project Manag	jer:			02												
QAVQC Pad X Standar	kage: d		Level 4 (Euli Validation		C. Lamemar	VE. McNally		O/MF												
Accreditati	on:		Level 4 (i un valuation	Sampler	CL/S.I			NDR												
		Other		On Ice:	XYes	D No		SRO												
EDD (T	ype)			Sample Temp	erature: Z ,			15 (0	0.0											OL N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - EPA 801	Chlorides - 300											Air Bubbles (Y (
7/27/17	8:55	SOIL	SC-2	MeOH Kit 2 - 4 oz jars	MeOH cool	-001	х	х	х											
7/27/17	9:00	SOIL	SC-3	MeOH Kit 2 - 4 oz jars	MeOH	-002	х	х	х											
7/27/17	9:05	SOIL	SC-5	MeOH Kit 2 - 4 oz jars	MeOH	- 003	x	х	х											
7/27/17	9:10	SOIL	SC-6	MeOH Kit 2 - 4 oz jars	MeOH	-004	Х	х	х											
7/27/17	9:25	SOIL	SC-7	MeOH Kit 2 - 4 oz jars	MeOH cool	-005	x	Х	Х											
7/27/17	9:45	SOIL	SC-8	MeOH Kit 2 - 4 oz jars	MeOH	-006	х	х	Х											
7/27/17	9:40	SOIL	SC-9	MeOH Kit 2 - 4 oz iars	MeOH cool	-007	х	х	Х											
																	$\left \right $	+	+	+
																		+	+	+
Date:	Time: jųų́ų́ Time:	Relinquishe	ed by:	Received by: Date Time CAMUSE Date 7/27/17 1644 Received by: Date Time			Rem WO Sup USE	#: 1 ervis	8: Bil 0390 or: 0 : KA	l to ()391 Chad ITLV	Peri	co Pl	hillip	5	c	Call v	vith Q	uesti	ons	
7/37/17	1840	/Jhu	tubalta	Viff	3	7128/17	Cordered by: Lisa Hunter													

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this po ssibility. Any sub-contracted data will be clearly notated on the analytical report. 1 /