District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

202		Pit, Belo	ow-Grade Tank, or	
16002	Proposed		od Permit or Closur	e Plan Application
	Type of action:	Modification to an existing	ed alternative method rade tank, or proposed alter ng permit/or registration	native method d or non-permitted pit, below-grade tank,
	or proposed alternat		tiod for all existing permitte	a or non-permitted pit, below grade tallit,
	Instructions: Please s	ubmit one application (Forn	n C-144) per individual pit, be	low-grade tank or alternative request
nvironment. Nor o				ult in pollution of surface water, ground water or the le governmental authority's rules, regulations or ordinances.
Operator: Bur	lington Resources Oil &	Gas Company, LP	OGRID #:14538	
	BOX 4289, Farmington			OIL CONS. DIV DIST. 3
Facility or well	name: SAN JUAN 28-	6 UNIT 127N		GIL GONS. DIV DIST. S
API Number: _	30-039-30774	OCD Permit	Number:	JUN 3 0 2017
			Range 6w	
Center of Propo	osed Design: Latitude _	36.64395 •N Longitude	e107.48693 <u>\timesW</u> NA	.D: □1927 ⊠ 1983
Surface Owner:	: X Federal X State	Private Tribal Trust or In	ndian Allotment	
Temporary: Permanent [Lined U String-Rein	Unlined Liner type: The forced	tation P&A Multi-We	PE HDPE PVC Otl	Low Chloride Drilling Fluid ☐ yes ☐ no ner Dimensions: L x W x D
Volume: Tank Construct Secondary Visible side	ion material: Note on tainment with leak dewalls and liner Vis	bbl Type of fluid: P Metal detection Visible sidewal sible sidewalls only Other	roduced Water Is, liner, 6-inch lift and automa er PVC Other LLDPE	
4. Alternative Submittal of an		luired. Exceptions must be s	ubmitted to the Santa Fe Envir	onmental Bureau office for consideration of approval.
Chain link,	six feet in height, two st hurch) eight, four strands of bar			ow-grade tanks) feet of a permanent residence, school, hospital,

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other						
☐ Monthly inspections (If netting or screening is not physically feasible)						
5igns: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.16.8 NMAC						
Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.						
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptance are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable source					
General siting						
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☑ NA					
<u>Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.</u> NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☑ NA					
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No					
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No					
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No					
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No					
Below Grade Tanks						
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No					
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No					
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)						
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No					
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.						
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site						

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	NMAC 15.17.9 NMAC
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are
attached. ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Climatological Factors Assessment ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Quality Control/Quality Assurance Construction and Installation Plan ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan ☐ Emergency Response Plan ☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan ☐ Erosion Control Plan ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F	Tuid Management Dit
Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems)	iuid Management Pit
☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. It 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	Yes No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	
	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area.	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
16.	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	ief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
e-mail address:	
e-mail address:	
e-mail address:	the closure report.
e-mail address:	the closure report.
e-mail address: Telephone:	the closure report.

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure	report is true, accurate and complete to the best of my knowledge and
belief. I also certify that the closure complies with all applicable closure requires	
Name (Print) <u>Christine Brock</u> Title: <u>Regulatory Sp</u>	ecialist
Signature: Unistine Brock	Date: 6/26/2017
e-mail address:christine.brock@cop.com Telephone: (505) 326-977	5

Fields, Vanessa, EMNRD

From:

Fields, Vanessa, EMNRD

Sent:

Wednesday, April 26, 2017 7:51 AM

To:

'Hunter, Lisa'; whitney thomas (l1thomas@blm.gov)

Subject:

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)

<l1thomas@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 >>

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	BTEX	TPH -GRO	TPH-DRO	TPH-MRO
Sample ID	Sample Location		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

Burlington Resources Oil & Gas Company San Juan Basin: New Mexico Assets

Below Grade Tank Closure Report

Lease Name: San Juan 28-6 Unit 127N

API No.: 30-039-30774

In accordance with Rule 19.15.17.13 NMAC, the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

General Plan Requirements:

1. Prior to initiating any BGT closure, except in the case of an emergency, BR will notify the surface owner of the intent to close the BGT by certified mail no later than 72 hours or one week before closure and a copy of this notification will be included in the closure report. In the case of an emergency, the surface owner will be notified as soon as practical.

The surface owner notification was not provided due to BGT clean-up effort.

- 2. Notice of closure will be given to the District Division office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name
 - b. Well Name and API Number
 - c. Location

Notification is not attached.

3. All liquids will be removed from the BGT following cessation of operation. Produced water will be disposed of at one of COP's approved Salt Water Disposal facilities or at a District Division approved facility.

All recovered liquids were disposed of at an approved SWD facility or an approved District Division facility within 60 days of cessation of operation.

4. Solids and sludge's will be shoveled and/or vacuumed out for disposal at one of the District Division approved facilities, depending on the proximity of the BGT site: Envirotech Land Farm (Permit #NM-01-011), JFJ Land Farm % Industrial Ecosystems Inc. (Permit #NM-01-0010B), and Basin Disposal (Permit #NM-01-005).

Any sludge or soil required to be removed to facilitate closure was transported to Envirotech Land Farm (Permit # NM-01-011) and/or JFJ Landfarm % IEI (Permit# NM-01-0010B).

5. BR will obtain prior approval from District Division to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel

materials will be recycled or reused as approved by the District Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liner materials will be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of 19.15.35 NMAC. Disposal will be at a licensed disposal facility, presently San Juan County Landfill operated by Waste Management under NMED Permit SWM-052426.

The below-grade tank was disposed of in a division-approved manner. The liner was cleaned per 19.15.35.8.C(1)(m) NMAC and disposed of at the San Juan County Regional Landfill located on CR 3100.

6. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure, will be removed.

All on-site equipment associated with the below-grade tank was removed.

- 7. Following removal of the tank and any liner material, BR will test the soils beneath the BGT as follows:
 - a. At a minimum, a five-point composite sample will be taken to include any obvious stained or wet soils or any other evidence of contamination.
 - b. The laboratory sample shall be analyzed for the constituents listed in Table I of 19.15.17.13.

A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Table I of 19.15.17.13 and the results are attached.

8. If the District Division and/or BR determine there is a release, BR will comply with 19.15.17.13.C.3b.

A release was determined for the above referenced well.

9. Upon completion of the tank removal, pursuant to 19.15.17.13.C.3c, if all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot top soil or background thickness whichever is greater and to existing grade. The surface will be re-contoured to match the native grade and to prevent ponding.

The tank removal area passed all requirements of Table I of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material which included at least one foot of suitable material to establish vegetation at the site.

10. For those portions of the former BGT area no longer required for production activities, BR will seed the disturbed area the first favorable growing season after the BGT is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other

District Division-approved methods. BR will notify the District Division when reclamation and re-vegetation is complete.

Reclamation of the BGT shall be considered complete when:

- Vegetative cover reflects a life form ratio of +/- 50% of pre disturbance levels.
- Total percent plant cover of at least 70% of pre-disturbance levels (Excluding noxious weeds) OR
- Pursuant to 19.15.17.13.H.5d BR will comply with obligations imposed by other applicable federal or tribal agencies in which there re-vegetation and reclamation requirements provide equal or better protection of fresh water, human health and the environment.

Provision 10 will be accomplished pursuant to 19.15.17.H.5d and notification will be submitted upon completion.

11. For those portions of the former BGT area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.

The former BGT area is not required for production activities and reseeding will be completed per the procedure noted above.

Closure Report:

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using District Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner and District Division) (Attached)
- Backfilling & cover installation (See Report)
- Confirmation Sampling Analytical Results (Attached)
- Application Rate & Seeding techniques (See Report)
- Photo Documentation of Reclamation (Attached)

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

Revised August 8, 2011

Form C-141

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

			Rele	ease Notificati	on	and Co	rrective A	ction	1			
						OPERA	ΓOR		Initia	al Report	\boxtimes	Final Report
				, a Wholly Owned	(Contact Li	sa Hunter					
		oPhillips Co 0 th St, Farm		NM	1	Telephone N	No. (505) 258-	1607				
	Facility Name: San Juan 28-6 127N						e: Gas well					
Surface Ow	Surface Owner BLM Mineral Owner					ED			API No	.30039307	74	
				LOCATI	ON	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the No	rth/S	South Line	Feet from the		West Line	County		
J	20	28	6	1532	S	outh	1797		East	Rio Arrib	a	
<u>Latitude 36.64395 Longitude -10748693</u>												
				NATUR	E	OF RELI					(20	
Type of Rele Source of Re		rocarbon				Volume of Date and H	Release Unkr		Volume F	Recovered Hour of Disc		c/yds
						N/A			12-12-20			
Was Immedi	ate Notice (Yes [No Not Requir	ed	If YES, To N/A	Whom?					
By Whom?	N/A					Date and H	lour N/A					
Was a Water	course Read		V N	NI -			lume Impacting t	he Wate	ercourse.			
			Yes 🛛 1			N/A						
If a Watercou N/A	ırse was Im	pacted, Descri	ibe Fully.'	*								
Describe Cau	ise of Probl	em and Remed	dial Actio	n Taken *								
				oil sample was taken o	n 11	-14-16 durin	g a BGT Resamp	le Proje	ect.			
		and Cleanup A			.1 .		. 1 1.1					
Delineation of	of the BGI	area on 12-12-	-16 indica	tes a 20'x35'x 5' area	that	will be excar	vated to at or belo	w actio	n levels.			
				s found during the								
				orted to IEI land fa								
		I for review.		COPC request to	Dac	KIIII. NO IU	irther action re	equirec	i. The clo	sure repor	t and	laboratory
I hereby certi	ify that the	information gi	ven above	is true and complete	to th	e best of my	knowledge and u	nderstai	nd that purs	uant to NMO	OCD ru	iles and
regulations a	ll operators	are required to	o report ar	nd/or file certain releas	e no	tifications ar	nd perform correct	tive act	ions for rele	eases which	may en	danger
				ce of a C-141 report by investigate and remed								
or the environ	nment. In a	ddition, NMC	CD accep	otance of a C-141 repor								
federal, state,	or local la	ws and/or regu	ilations.		_		OIL CON	CEDV	ATION	DIVICIO	NI	
	0	111					OIL CON	SERV	ATION	DIVISIO	IN	
Signature:	45	lu Ht										
Signature:					H A	approved by	Environmental S	pecialist	t:			
Printed Name	e: Lisa Hur	nter			+							
Title: Field	Environme	ntal Specialis	t		A	approval Dat	e:]	Expiration 1	Date:		
E-mail Addre	ess: Lisa.H	unter@cop.c	om			Conditions of	Approval:			Attached		
Date: 06-14-17 Phone: 505-258-1607												

^{*} Attach Additional Sheets If Necessary

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

www.animasenvironmental.com

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)
	NA	10CD Action Level	*	100*
SB-1	12/12/16	3.5	0.0	<20.0
CD 2	12/12/16	1.5	437	39.9
SB-2	12/12/16 -	2.5	1,947	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	42/42/46	2	73.6	NA
SB-9	12/12/16 -	2.75	32.3	<20.0
CP 10	42/42/46	1.25	3,453	NA
SB-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	MOCD 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

Sample	Date	Sample Depth	Benzene	Total BTEX	TPH 418.1	TPH- GRO 8015	TPH- DRO 8015	TPH MRO 8015	Chlorides
ID	Sampled	(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	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH 418.1 (mg/kg)	TPH- GRO 8015 (mg/kg)	TPH- DRO 8015 (mg/kg)	TPH MRO 8015 (mg/kg)	Chlorides (mg/kg)
	NMOCD Act	tion Level	10*	50*	100*		100*		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

Dail g Reme

Elizabeth McNally, P.E.

Elizabeth V Mir dly

Attachments:

Figure 1. Topographic Site Location Map

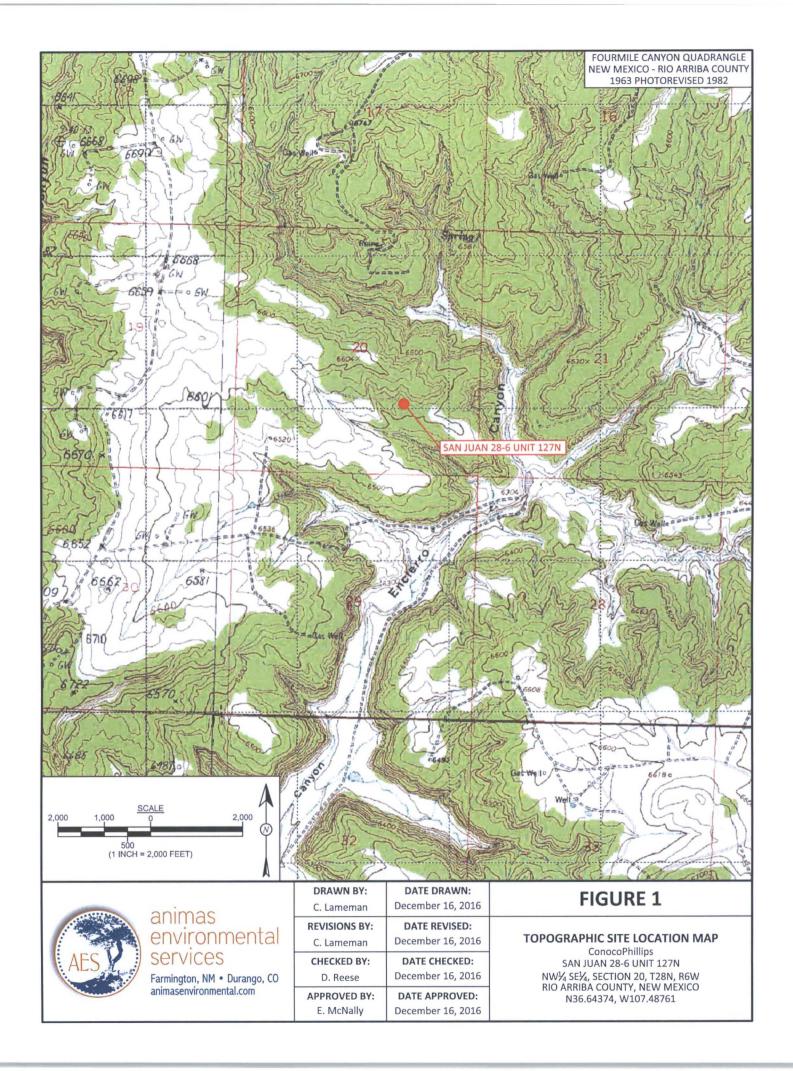
Figure 2. Aerial Site Map, November and December 2016

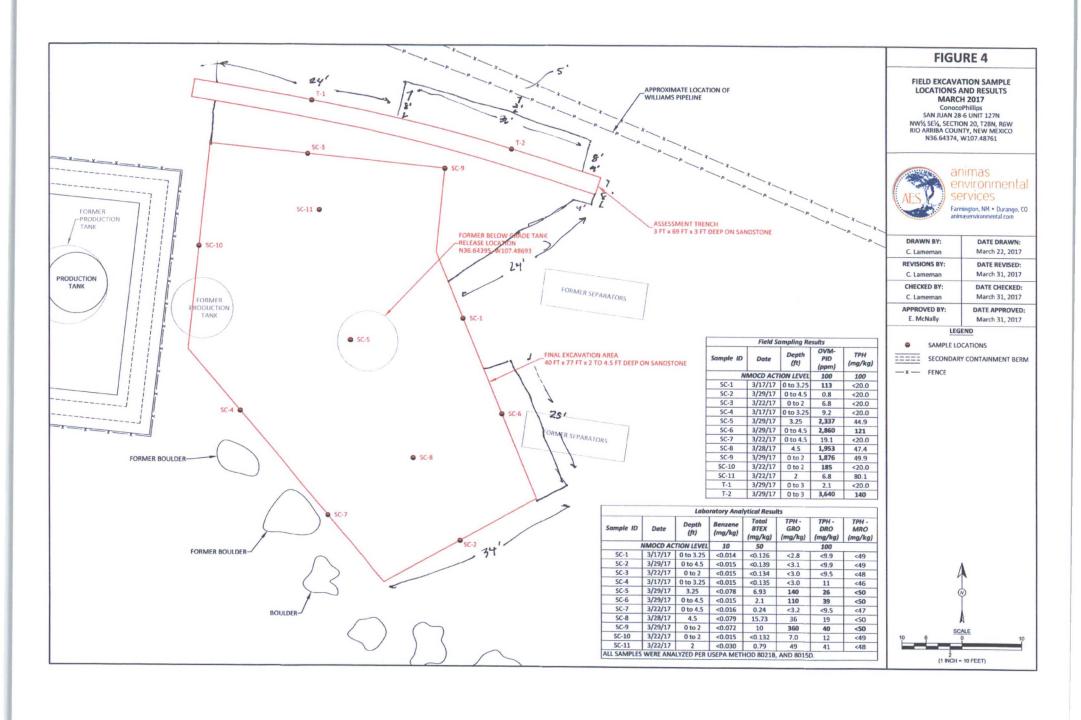
Figure 3. BGT Closure and Release Assessment Sample Locations and Results, November and December 2016

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









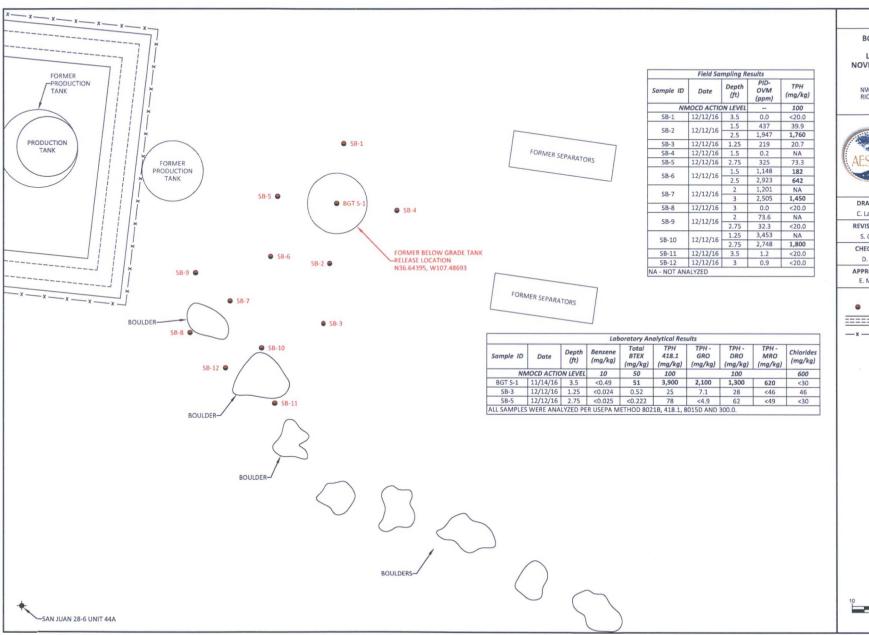


FIGURE 3

BGT CLOSURE AND RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS NOVEMBER AND DECEMBER 2016

ConocoPhillips SAN JUAN 28-6 UNIT 127N NW¼ SE¼, SECTION 20, T28N, R6W RIO ARRIBA COUNTY, NEW MEXICO N36.64374, W107.48761



animas environmental services

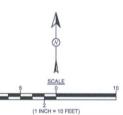
Farmington, NM • Durango, CO animasenvironmental.com

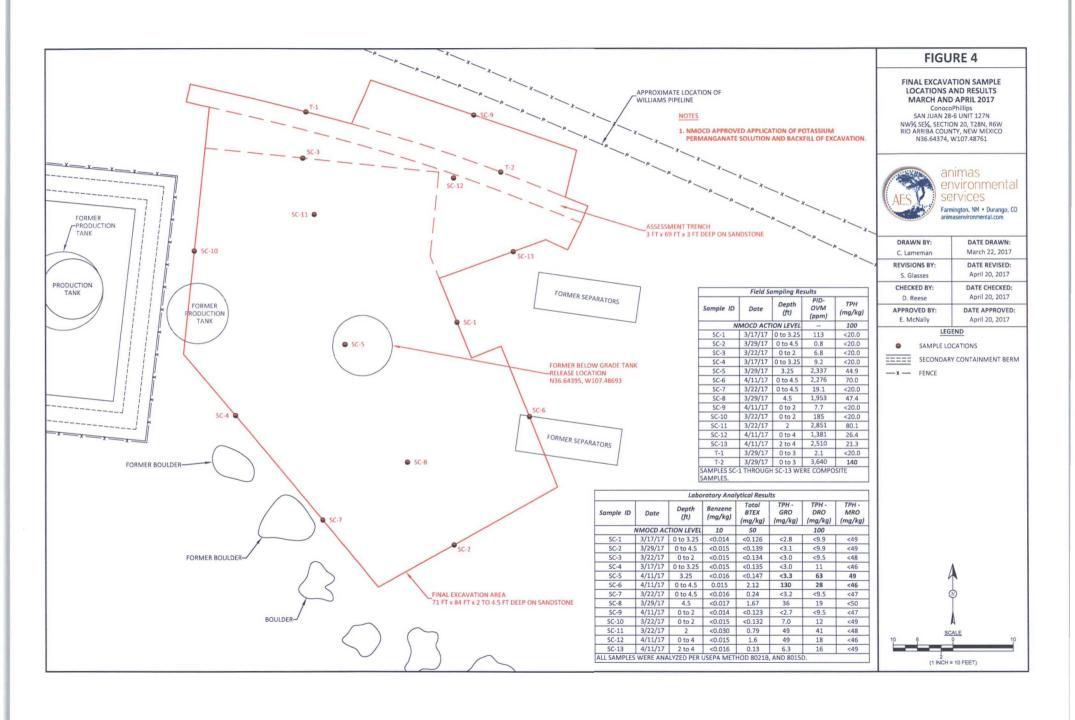
DRAWN BY:	DATE DRAWN:					
C. Lameman	December 16, 2016					
REVISIONS BY:	DATE REVISED:					
S. Glasses	April 20, 2017					
CHECKED BY:	DATE CHECKED:					
D. Reese	April 20, 2017					
APPROVED BY:	DATE APPROVED:					
E. McNally	April 20, 2017					

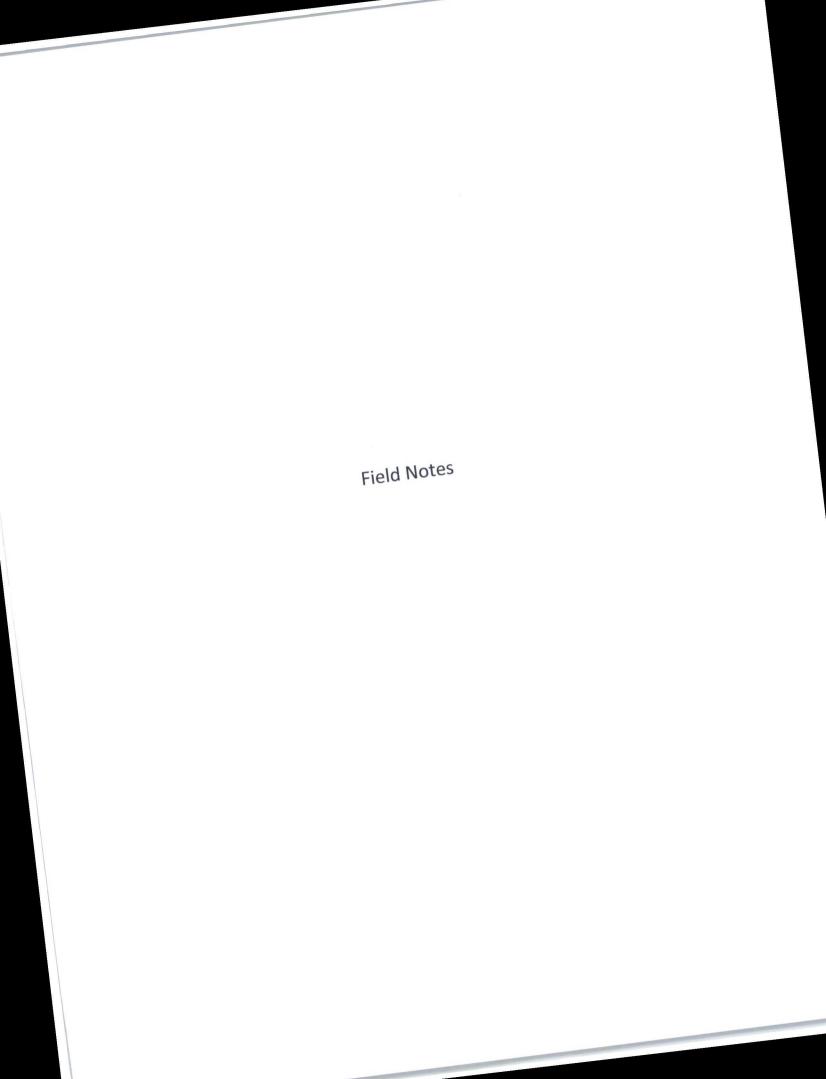
LEGEND

SOIL BORING LOCATIONS

SECONDARY CONTAINMENT BERM







Field Screening Release Assessment Field Report			Date:	12-12-16
Client: ConsciPhillips AES Personne	l: S. blasses	Billi	ing Info:	
Well or Lease Name: San Juan 28-Le unit 127N	C. Lamernan	_	WO #:	
CoP Onsite Supervisor: (. Lamernan Beginning mileage	e: 5£10	_	Supervisor:	
Site Arrival Time: Ending Mileage	: 53020		USER:	
Site Departure Time: 1415 Release Source	: Historic BGT	_	Area:	***************************************
Well Head (GPS	: 36.64374,-107.48761	_	Activity Code:	
Land Jurisdiction: BLM Release Location (GPS	: 310.64395, -107.44693		Ordered by:	
County/State: Lio Amba / NM		_		
Site Rank: 10	Address - control	1	1	
	Buck Machine #			
Equipment in place: 2 Production Tunks, 186T, 3 Separators	Concentration	50 mg/kg		500 mg/kg
3 Meter Luns, 3 WH Photos taken:	Calibration ABS Values	0.076	0.134	0.639
Project Details: BUT Regulatory Sampling were above BUT Closure Levels.	Site Sketch (DOES NOT REPL	ACE SITE MA	P) and Current	Excavation Dimensions
Release Acsessment Required.				
	Horizontal (Cross-Section Vie	w):		
				×
Initial Recommendations:	Con	1 Marchard	Field Skete	h
	del	ATTACKED	1100	
	Vertical (Plan View):			
Limitiations: Sandstone Ranging 1.25 & 3.5 Bbs				
/)				
Animas Environmental Services, LLC	1			
604 W Pinon St. Farmington, NM 87401 office # 505-564-2281				

1 of 2

Release Assessment Field Form 060215.xlsx

1911 N Main, Ste 280, Durango, CO 81301

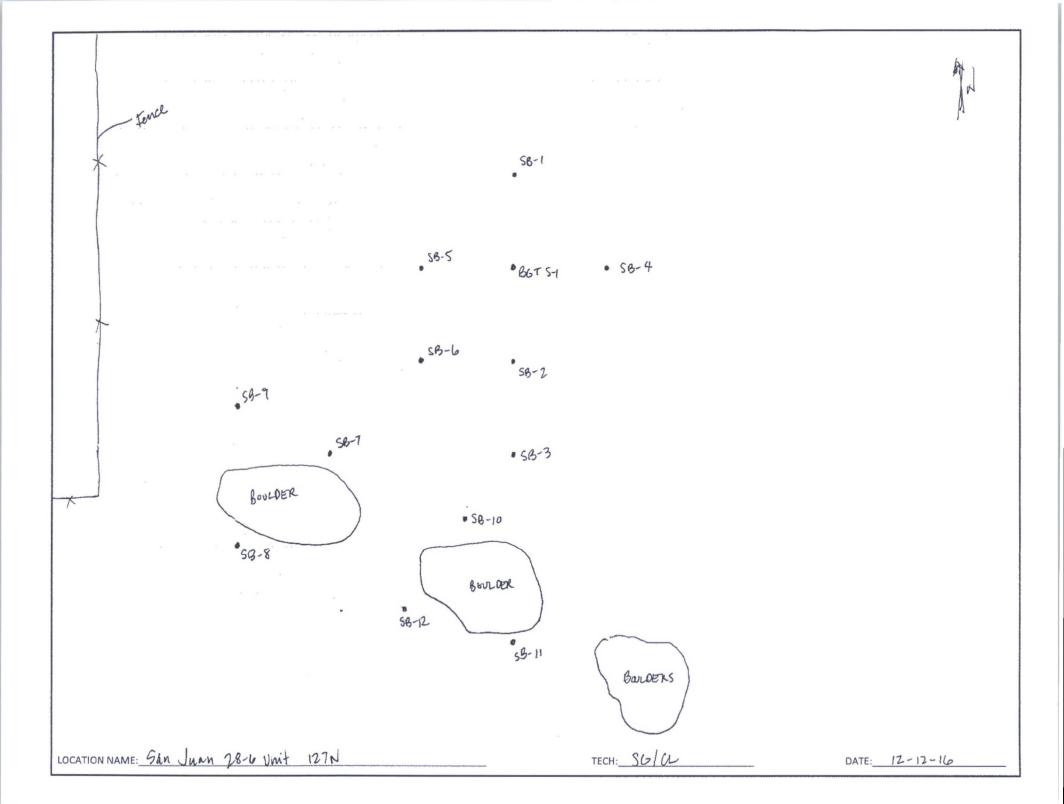
Well or Lease Name: Sun Juan 28-7 Unit 127N

Date: 12-12-14

AES personnel: S. blasses, C. Lamenan

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 & BGT S-1	0.0	1208	420.0	1215	0.010	Sand & Garel, Tan, Dry, No Oder & Staining
SB-2 e 1.5'	\	1147	S of BGT 5-1	437	1209	39.86	1224	0.036	Sand, Cb, Sl. Gray, Sl. Odor
e 2.5'		1155		1947	1210	1,757.13	1229		Sand, Cb, Sl. Gray, V. Stry oder. on SS
SB-3 e 1.25'		216	St 5B-2	219	/235	20.74	1238	0.024	Sand, CG, Tan, V. Sl. Oder. on 13
58-40 1.5'		1236	E06 BGT 5-1	0.2	1254	_	-	_	Sand of Clay, Companple Noolor 4 Staining Rep
SB-5 e 2.75'		1245	W B BUT 5-1	325	1305	73.31	1 303	0.057	Sand, Blk Reits, St. Odor St. Gray, on SS
SR-6 e 1.5'		13.8	W 2 S&-2	1148	1332	181.64	1329		Sand Elling Gray Parple St. Odor,
e 25'		1325		2923	1340	642.02	1532	0.414	Sund, St. Gray, V. Stry Edov, or SS
SB-7 E 2'		1340	SW 16 SB-6	1201	1356	~	-	-	Sand & Clay, Gray Parple, Stry Odor
€3		1347		2505	1407	1451.27	1403	0.922	Sand, 66, Gray, V: Stry odar, in SS
58-8 e3'		1400	Sw 16 58-7	0.0	1417	120,0	1413		Sand, (6, Tan, No Oder & Staining oss
5B-9 @ 2'		1410	W 0/58-6	73.6	1430	~	`	_	Sand & Clay, DE Gray, Staining, Vistry Clar
02.75'		1420		32.3	1431	L20.0	1436	0.013	Sant; C6, Ble Gray V Shy war in 55
SB-10 C1.25'		1430	E 9 85-8	3453	1570	-	_	_	Clay & Sand, Brown No Staining V. Stry adar
e2.75'		1434		2748	1511	1,795.36	1516	1.138	Send, CG, Gray Far, V. Stry Odor, On SS
513-11 e 3.5'		1525		1.2	1539	420.0	1542		Sand, Co, Tan, No oder & Stating on SS
SB-12 e 3'	4	1534		0.9	1543	420.0	1547	0.010	Sand, Grayfusple, No Odor & String on SS

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



Field Screening Release Assessment Field Report			Date	3-17-17		
Client: <u>ConocoPhillips</u> AES Personnel:	C. Lameman	Billi	ng Info:			
Well or Lease Name: San Juan 28-6 Unit 127N			WO #:	10398881		
CoP Onsite Supervisor: Kuy ばら Beginning mileage:	946,90		Supervisor:	Randy Sarata		
Site Arrival Time: 936 Ending Mileage:	94982		USER:	BLAKLBN		
Site Departure Time: 1545 Release Source:	Historic BGT		Area:	7		
Well Head (GPS):	36.64374,-107.48761		Activity Code			
Land Jurisdiction: BLM Release Location (GPS):	36.64395, -107.48693		Ordered by:	has Hanter		
County/State: Rio Amba / NM						
Site Rank: 10 but under 100 TPH, 10 Bensone, 50 BTEX			7			
	Buck Machine #	3				
Equipment in place: 2 production tanks, BET, 3 Separators	Concentration		100 mg/kg	500 mg/kg		
Photos taken: Yes	Calibration ABS Values	0.136	0.259	1.211		
Photos taken: Yas						
Project Details: BGT Regulatory Resample and administra completed.	Site Sketch (DOES NOT REPLA	CE SITE MA	P) and Curren	t Excavation Dimensions:		
Excavation Clearance and in progress. Found more						
contamination when exampling.	Horizontal (Cross-Section View):					
	•					
	W.					
Initial Recommendations:						
inicial Necommendations.						
·						
	Vertical (Plan View):					
<u>Limitiations</u> : Shallow Sundstone. Williams pipeline N bb Excuration. Facility force						
and communication lines.						
Animas Environmental Services, LLC						
604 W Pinon St. Farmington, NM 87401 office # 505-564-2281						

1 of ____

Release Assessment Field Form 012617.xlsx

1911 N Main, Ste 206, Durango, CO 81301

Well or Lease Name: Sm fran 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	<20.0	1035	0.025	0-2 EWell Center bas
54-2		1003	South East Wall	1,677	1030	80.1	1038	0.114	0-2
Sc -3		1005	Worth toost Wall	1167	1031	40.7	1040	0-067	0-2
56-4		1120	Sota Water	9.2	1/37	<20.0	1140	0.013	0-42 Wall Center Las
56-5		1125	Base	2934	1138	517	1143	0. 435	on Standstone Las
S(-2(2)		1213	wood wat	2,470	1226	-	_	_	Sway
5(-3(2)		12-15	wat wallen	1,198	1227	73.4	1229	0.106	N wall
5-1		1315	12'No feace	1,336	1334	983	1351	1-192	Trench to find end of Court.
5-2		1330	W'N & force		1343	<20.0	1349	0.026	" " bravel
J-3	-	1518	5 N of Ferra	3.3	1525	420.0	1528	0.028	Chick Esselts.

^{*}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 206, Durango, CO 81301 Well or Lease Name: San Jun 28-6 Wit 127N

Date: 3.22.17

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-2 (3)	3.22.17	840	twou a	3,5	1003	L20.0	1018	6.022	6-3	SWAM	lab
S(-3 (3)		844	towall a	3,151	1064	50.7	1620	0.679	0-3	N WAM	
SC-6		853	NWall- NK1/2-a	773	1005	55.8	1023	0.085	0-3	ENAU 51/2	
56-7		859	5-64-2	19.1	1006	620.0	1025	0.024	6-3	What s'/2	Lab
56-8		915	Buse 81/2	2714	1007	572	1027	0.701	9-4	on SS	Las
86-9		9/8	Notell a	3,008	1008	373	1030	0.463	0-3	EWAU N/2	
SC-16	/	922	Note a Suffer as	185	1009	220.0	1032	0,038	0-3	W Wall N'/2	Las
SC-11		940	13 mor ph 1/2	2,857	1011	80.1	1034	0.114	3-4	cn 55	Lab
56-3(4)		1057	Wall	6.8	1119	620.0	1122	0.627	0-2		Lab

											Married Co.

^{*}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



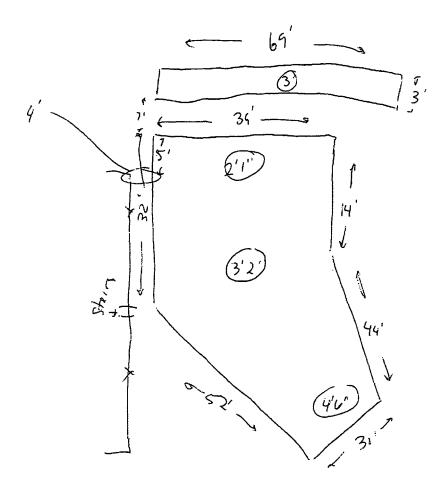
Suchan 22.6 West 1270

AES personnel: C. Lumernan / D. Jahnson

Save Day Jorg Dans

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS	NOTES Gardent
SL-2 (4)	325-17	1135	Swayl Etiail \$1/2	0.8	1235	4200	1257	6 034	Das Extended Back 10 Lab
SC-16/2))	1140	EWAll 51/2	2,960	1236	121	1306	0.263	Was Enlanded Back 10' List
5(-9(2)		1145	NE Wall	1,876	1238	49.9	1313	0.074	Dastx Ended Back 8-16 Lib
Trench #21		1220	W1/2 trench	2,1	1330	<20.0	1319	0.038	Lab 401
Treach 2		1225	E1/2 trench	3,640	1331	140	1325	0.180	on projects to see what williams Lock Had
Sc.8(2)		1415	S'/2 Brown	1,953	1425	47.4	1422	0.075	on SS Extremely Hard Lab
56-5(2)		1506	Pase Center	2,337	1521	44.9	152G	0,072	
								,	,
									Ask Kelly to give him a also
									970-729-8886
									Service and the service and th
									Lina but texted for 3-DayTAT
									on oil except S(-2 (Standard)
* 1 1 0		the notes section i					1	L	

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



11

& Wellhard

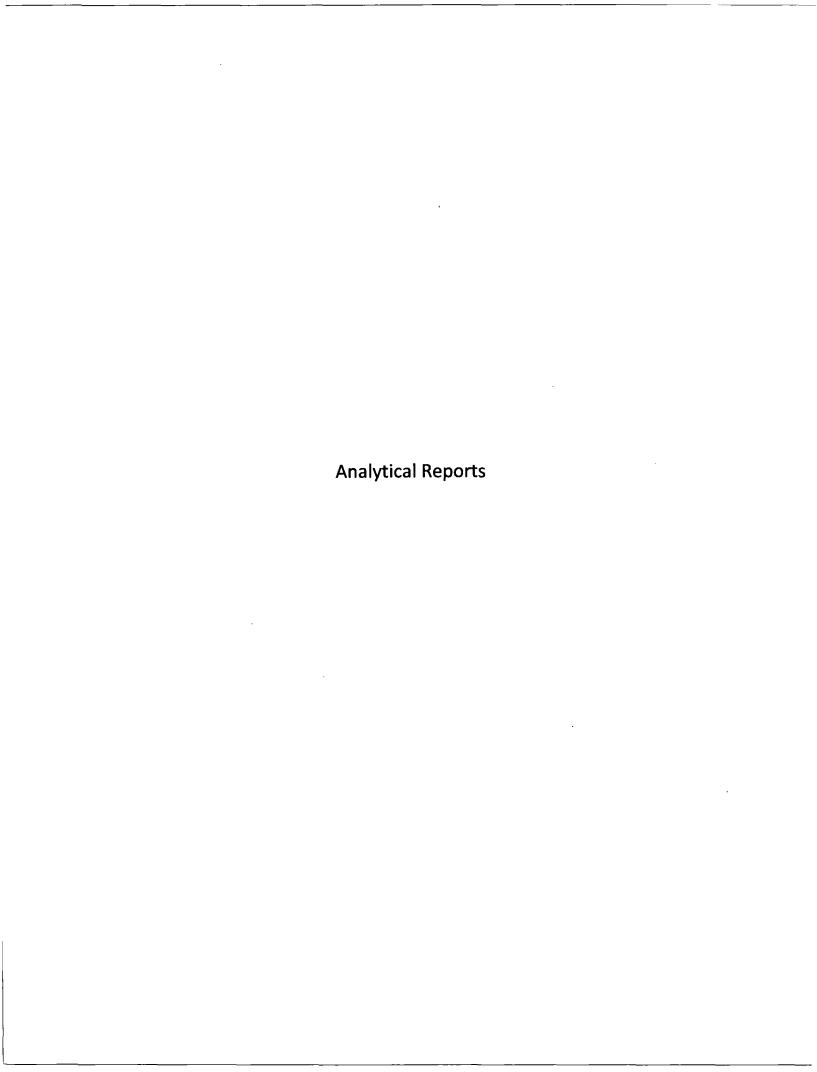
Date: 4-(1-(7

AES personnel: C Cameman

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	OVM Time	Field TPH (mg/kg)	Field TPH Analysis Time	ABS	NOTES
Sx-5(3)	4-11-17	922	Bisi Centur	1,521	1013	103	1026	0.141	2-Dey
Si-9(3)	\	930	NEWAM	7.7	1014	<20.0	1030	0.027	į.
SC-12		935	E Extandext Sway	1,381	1015	26.4	1032	0.650	0-4
SZ-13		943	NEXAV. OXT	2,510	1016	21.4	1035	0.044	3-4
56-4(3)	7	1050	EWall Sil2	2,276	1116	70.0	1113	0.101	0-4
		(61.00.00							

^{*}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

Lab Order 1611721

Date Reported: 11/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Client Sample ID: BGT S-1@3.5

 Project:
 COPC San Juan 28-6 Unit 127N
 Collection Date: 11/14/2016 10:45:00 AM

 Lab ID:
 1611721-001
 Matrix: SOIL
 Received Date: 11/15/2016 7:50:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analys	st: MAB
Petroleum Hydrocarbons, TR	3900	190		mg/Kg	10	11/22/2016	28783
EPA METHOD 300.0: ANIONS						Analys	st: LGT
Chloride	ND	30		mg/Kg	20	11/21/2016 11:51:59 F	PM 28786
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	6				Analys	st: JME
Diesel Range Organics (DRO)	1300	92		mg/Kg	10	11/16/2016 12:15:33 F	PM 28686
Motor Oil Range Organics (MRO)	620	460		mg/Kg	10	11/16/2016 12:15:33 F	PM 28686
Surr: DNOP	0	70-130	S	%Rec	10	11/16/2016 12:15:33 F	PM 28686
EPA METHOD 8015D: GASOLINE RAN	IGE					Analys	st: NSB
Gasoline Range Organics (GRO)	2100	99		mg/Kg	20	11/16/2016 11:54:43	AM 28653
Surr: BFB	412	68.3-144	S	%Rec	20	11/16/2016 11:54:43	AM 28653
EPA METHOD 8021B: VOLATILES						Analys	st: NSB
Benzene	ND	0.49		mg/Kg	20	11/16/2016 11:54:43	AM 28653
Toluene	ND	0.99		mg/Kg	20	11/16/2016 11:54:43	AM 28653
Ethylbenzene	ND	0.99		mg/Kg	20	11/16/2016 11:54:43	AM 28653
Xylenes, Total	51	2.0		mg/Kg	20	11/16/2016 11:54:43	AM 28653
Surr: 4-Bromofluorobenzene	128	80-120	S	%Rec	20	11/16/2016 11:54:43	AM 28653

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 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 Prep Date: 11/21/2016

Batch ID: 28786

Result

ND

RunNo: 38900

SeqNo: 1215934

Units: mg/Kg

Analyte

Analysis Date: 11/21/2016

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

RPDLimit

Qual

Chloride

POI 1.5

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID:

Sample ID LCS-28786

LCSS

Batch ID: 28786

RunNo: 38900

Units: mg/Kg

Prep Date: 11/21/2016

Analysis Date: 11/21/2016

SPK value SPK Ref Val %REC

SegNo: 1215935

%RPD

RPDLimit

Qual

15.00

90

1.5

PQL

Analyte

Chloride

Result 14

LowLimit

110

92.9

HighLimit









Qualifiers:

H

Value exceeds Maximum Contaminant Level.

RPD outside accepted recovery limits

- D Sample Diluted Due to Matrix
- ND Not Detected at the Reporting Limit
- % Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

- Analyte detected in the associated Method Blank B
- E Value above quantitation range J Analyte detected below quantitation limits
- Page 2 of 6

- 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#:

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

Result

Result

110

110

ND

RunNo: 38917

Prep Date:

11/21/2016

Analysis Date: 11/22/2016

SeqNo: 1216381

Units: mg/Kg

Analyte Petroleum Hydrocarbons, TR

PQL

20

SPK value SPK Ref Val

SPK value SPK Ref Val

100.0

%REC

HighLimit LowLimit

%RPD

RPDLimit

Qual

Sample ID LCS-28783

SampType: LCS

TestCode: EPA Method 418.1: TPH RunNo: 38917

Client ID: LCSS

Batch ID: 28783

HighLimit

Units: mg/Kg

121

RPDLimit

Qual

Analyte Petroleum Hydrocarbons, TR

Prep Date: 11/21/2016

Analysis Date: 11/22/2016

SeqNo: 1216382 %REC

%RPD

Qual

Sample ID LCSD-28783

Prep Date: 11/21/2016

Client ID: LCSS02

SampType: LCSD Batch ID: 28783

PQL

20

TestCode: EPA Method 418.1: TPH

111

RunNo: 38917

LowLimit

80.7

Units: mg/Kg

Analyte

Analysis Date: 11/22/2016

SeqNo: 1216383

SPK value SPK Ref Val %REC LowLimit

HighLimit 80.7

%RPD

RPDLimit

20

Petroleum Hydrocarbons, TR

100.0

113

1.19

Qualifiers:

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 ND

R RPD outside accepted recovery limits В Analyte detected in the associated Method Blank

E Value above quantitation range J

Analyte detected below quantitation limits

Page 3 of 6

P Sample pH Not In Range

Reporting Detection Limit 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-28682 Client ID:

PBS

SampType: MBLK

POI

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

RunNo: 38735

Batch ID: 28682

Units: %Rec HighLimit

Prep Date: Analyte

11/15/2016

Analysis Date: 11/16/2016

SeqNo: 1210301

Result 8.0 SPK value SPK Ref Val

%REC LowLimit

%RPD **RPDLimit** Qual

Surr: DNOP

10.00

80.2

70 130 TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID LCS-28682

LCSS

SampType: LCS Batch ID: 28682

5.000

RunNo: 38735

Client ID: Prep Date:

11/15/2016

Analysis Date: 11/16/2016

SegNo: 1210302

Units: %Rec HighLimit

Analyte

Result PQL 4.2

SPK value SPK Ref Val

%REC

LowLimit 70

%RPD

RPDLimit

Qual

Surr: DNOP

Client ID:

PBS

Sample ID MB-28686

SampType: MBLK Batch ID: 28686

Analysis Date: 11/16/2016

SPK value SPK Ref Val %REC LowLimit

0

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

83.4

RunNo: 38735 SeqNo: 1210466

Units: mg/Kg

HighLimit

RPDLimit

Qual

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

Prep Date: 11/15/2016

10 ND

ND

7.8

4.1

50 10.00

77.9

70

%RPD

Sample ID LCS-28686

Prep Date: 11/15/2016

SampType: LCS

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

130

Client ID: LCSS

Surr: DNOP

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

POI

10

RunNo: 38735

SeqNo: 1210467

Units: mg/Kg

Analyte Diesel Range Organics (DRO)

Surr: DNOP

Result 45 SPK value SPK Ref Val 50.00

5.000

%REC

81.4

LowLimit 90.9

HighLimit 62.6

70

124 130 %RPD **RPDLimit**

Qual

Qualifiers:

R

S

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded H

% Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

Analyte detected in the associated Method Blank В

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 4 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-28653

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

Batch ID: 28653 **PBS**

RunNo: 38746

Prep Date: 11/14/2016

Analysis Date: 11/16/2016 Result

ND

SeqNo: 1210935

Units: mg/Kg

Gasoline Range Organics (GRO)

Analyte

PQL SPK value SPK Ref Val 5.0

PQL

%REC LowLimit HighLimit

%RPD **RPDLimit** Qual

Surr: BFB

830

1000

83.2

68.3 144

Sample ID LCS-28653

Prep Date: 11/14/2016

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: 28653

RunNo: 38746

SeqNo: 1210936

Units: mg/Kg

Analyte

Analysis Date: 11/16/2016 Result

SPK value SPK Ref Val %REC

LowLimit 74.6

%RPD HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

22 880 25.00 1000

88.0 88.2

68.3

144

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- 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
- J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

E Value above quantitation range

Analyte detected below quantitation limits

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

Sample ID MB-28653	Samp1	Type: ME	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 28	653	F	RunNo: 3	8746				
Prep Date: 11/14/2016	Analysis [Date: 11	1/16/2016	\$	SeqNo: 1	210951	Units: mg/F	(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	0.98		1.000		97.7	80	120			

Sample ID LCS-28653	Samp	Type: LC	s	Tes	tCode: E	PA Method	nod 8021B: Volatiles							
Client ID: LCSS	Batc	h ID: 28	653	F	RunNo: 3	8746								
Prep Date: 11/14/2016	Analysis [Date: 11	1/16/2016	S	SeqNo: 1	210952	Units: mg/k	(g						
Analyte						HighLimit	%RPD	RPDLimit	Qual					
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							

- 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 6

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



гиш Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Work Order Number: 1611721 RcptNo: 1 Animas Environmental Client Name: Received by/date: Logged By: Lindsay Mangin 11/15/2016 7:50:00 AM 11/15/2016 8:50:20 AM Lindsay Mangin Completed By: 11/15/16 Reviewed By: Chain of Custody No 🗆 Not Present Yes 🗌 1 Custody seals intact on sample bottles? Yes 🗸 No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗌 NA 🗌 Yes 🗸 4. Was an attempt made to cool the samples? No [NA 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C Yes V Yes V No [6. Sample(s) in proper container(s)? Yes V 7. Sufficient sample volume for indicated test(s)? No 🗌 8. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🗌 Yes 9. Was preservative added to bottles? Yes No VOA Vials No 🗌 10. VOA vials have zero headspace? Yes No V 11. Were any sample containers received broken? # of preserved bottles checked for pH: Yes 🗸 No 🗌 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes V No 🗌 13. Are matrices correctly identified on Chain of Custody? No 🗌 Yes V 14. Is it clear what analyses were requested? Checked by: Yes 🗸 No 🗌 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA 🔽 16. Was client notified of all discrepancies with this order? No 🗌 Person Notified: Date By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No

UII	ain-o	I-Cusi	loay Recora	rum / mountain			١,			H	AI	ı F	=N	VT	RC	INC	ME	NT	A	
ient:	Animas	Enviro	nmental Services, LLC	X Standard	□ Rush		- [BC				
				Project Name:						,	www	.hall	lenvi	ronn	nent	al.co	m			
ailing Add	dress:	604 W	Pinon St.	COPC SAN	JUAN 28-6	UNIT 127N		490	01 H							e, NA		109		
			gton, NM 87401	Project #:			1	Te	el. 50	5-34	5-39	75	F	ax 5	505-	345-	4107	,		
none #:	505-564		3.011, 1.011					. 40					alysi	-	_					4
nail or Fa	-		an@animasenvironmental.o	Project Manag	jer:							П		\neg				\top	Т	\top
VQC Pac	kage:				C. Lamemar	n/ E. McNally								-						
Standar	d		☐ Level 4 (Full Validation)																	
creditati	on:			Sampler: CL/S											ı					
NELAP		□ Other		On Ice:	Yes Yes	□ No							ļ							2
EDD (T	ype)	ř –		Sample Temp	erature:2.0	-CF-1.0 = 1.0		7.		300.0			ĺ							ō
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - EPA 418.1	TPH - 8015	Chlorides - 30										Air Bubbles (Y or N)
1/14/16	10:45	SOIL	BGT S-1 @ 3.5	1 - 4 oz.	cool	-001	Х	Х	Х	Х								\top	\top	
																		\top	\top	
																	\neg		\top	
											\dashv						\dashv	\dashv	+	+
																\vdash		+	+	+
							_										\dashv	+	\top	
																		1	\top	\top
																		\neg	\neg	
4/16 **;	Time:	Relinquish	an solut	Received by:	lat	Date Time	Sup	# 2° ervis	1773 sor: E		Vyck		hillip	S						
114/14	(830	1/6	felle	1/2	m -St	11115/16			by: I	Bobb	у Ѕр	earm	nan							



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

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1612945

Date Reported: 12/29/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

CoP San Juan 28-6 Unit 127N

Lab ID: 1612945-001

Project:

Client Sample ID: SB-3

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

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

Analyses	Result	PQL Qu	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 RANGE	ORGANICS	6			Analyst	TOM
Diesel Range Organics (DRO)	28	9.1	mg/Kg	1	12/23/2016 12:32:41 AM	M 29308
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/23/2016 12:32:41 AM	M 29308
Surr: DNOP	93.2	70-130	%Rec	1	12/23/2016 12:32:41 AM	M 29308
EPA METHOD 8015D: GASOLINE RANGI	E				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

Matrix: SOIL

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

Project:

CoP San Juan 28-6 Unit 127N

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

Lab ID: 1612945-002

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					Analyst	MAB
Petroleum Hydrocarbons, TR	78	19	mg/Kg	1	12/23/2016	29326
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	30	mg/Kg	20	12/28/2016 1:36:40 AM	29418
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	: TOM
Diesel Range Organics (DRO)	62	9.8	mg/Kg	1	12/23/2016 12:55:58 Al	M 29308
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/23/2016 12:55:58 Al	M 29308
Surr: DNOP	90.8	70-130	%Rec	1	12/23/2016 12:55:58 Al	M 29308
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	: 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					Analyst	: 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
- 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 7
- 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 MB-29418

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 29418

RunNo: 39674

Prep Date: 12/27/2016

Analysis Date: 12/27/2016

SeqNo: 1243082

Units: mg/Kg

Analyte

Result PQL SPK value SPK Ref Val %REC

HighLimit LowLimit

%RPD

RPDLimit

Qual

Chloride

Client ID:

ND 1.5

Sample ID LCS-29418 LCSS

SampType: LCS

Batch ID: 29418

TestCode: EPA Method 300.0: Anions RunNo: 39674

Prep Date: 12/27/2016

Analysis Date: 12/27/2016

SeqNo: 1243083

Units: mg/Kg

Result

Chloride

%RPD

RPDLimit

SPK value SPK Ref Val %REC

Analyte

14

1.5

110

94.2

90

LowLimit

HighLimit

PQL

15.00

Qual

S

Qualifiers:

Sample Diluted Due to Matrix D

Not Detected at the Reporting Limit ND

Value exceeds Maximum Contaminant Level.

H Holding times for preparation or analysis exceeded

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 Sample pH Not In Range

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

Page 3 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-29326

SampType: MBLK

TestCode: EPA Method 418.1: TPH

%REC LowLimit

Client ID: Prep Date:

PBS

Batch ID: 29326

RunNo: 39621

Units: mg/Kg

Analyte

12/21/2016

Analysis Date: 12/23/2016

Result

ND

SeqNo: 1241002

HighLimit

%RPD **RPDLimit** Qual

Petroleum Hydrocarbons, TR

20

TestCode: EPA Method 418.1: TPH

Sample ID LCS-29326 Client ID: LCSS

SampType: LCS

Result

94

Batch ID: 29326

PQL

20

PQL

RunNo: 39621

LowLimit

121

Prep Date: 12/21/2016 Analyte

Analysis Date: 12/23/2016

SeqNo: 1241003

Units: mg/Kg HighLimit

%RPD **RPDLimit**

Qual

Qual

Petroleum Hydrocarbons, TR

Sample ID LCSD-29326

SampType: LCSD

94.1

%REC

0

0

TestCode: EPA Method 418.1: TPH

80.7

Client ID: LCSS02

Batch ID: 29326

SPK value SPK Ref Val

100.0

100.0

SPK value SPK Ref Val

RunNo: 39621 SeqNo: 1241004

Units: mg/Kg

HighLimit

RPDLimit

Analyte Petroleum Hydrocarbons, TR

Prep Date: 12/21/2016

95

Analysis Date: 12/23/2016

SPK value SPK Ref Val %REC LowLimit 95.4

80.7

%RPD 1.37

20

Page 4 of 7

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Η Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits B

E

Analyte detected in the associated Method Blank

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

Value above quantitation range

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 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 29308 RunNo: 39590 Prep Date: 12/20/2016 Analysis Date: 12/22/2016 SeqNo: 1240933 Units: mg/Kg **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 47 10 50.00 94.9 63.8 116 Surr: DNOP 4.4 5.000 88.5 70 130

Sample ID MB-29308	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batch	1D: 29	308	F	RunNo: 3	9590							
Prep Date: 12/20/2016	Analysis D	ate: 12	2/22/2016	5	SeqNo: 1	240934	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 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

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

Sample ID LCS-29302	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 29	302	R	RunNo: 3	9562				
Prep Date: 12/20/2016	Analysis Date: 12/21/2016 SeqNo: 1239336						Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	119	74.6	123			
Surr: BFB	930		1000		92.6	68.3	144			

- * 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 7

- 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 MB-29302	SampT	Гуре: МЕ	BLK	Tes	tCode: El	tiles				
Client ID: PBS	Batch	h ID: 29	302	F	RunNo: 3	9562				
Prep Date: 12/20/2016	Analysis D	Date: 12	2/21/2016	8	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	0.96		1.000		95.9	80	120			

Sample ID LCS-29302	SampT	ype: LC	S	Tes	PA Method	8021B: Volat	tiles			
Client ID: LCSS	Batch	1D: 29	302	F	RunNo: 3	9562				
Prep Date: 12/20/2016	Analysis D	ate: 12	2/21/2016	S	SeqNo: 1	239375	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val %REC LowLimit Hig		HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.025	1.000	0	107	75.2	115			
Toluene	1.0	0.050	1.000	0	100	80.7	112			
Ethylbenzene	0.96	0.050	1.000	0	96.2	78.9	117			
Xylenes, Total	2.8	0.10	3.000	0	93.3	79.2	115			
Surr: 4-Bromofluorobenzene	0.87		1.000	00 86.6 80			120			

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 7 of 7

P Sample pH Not In Range

RL Reporting Detection Limit

W 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 Env	vironmental	Work Or	der Numbe	r: 1612	945			RcptNo:	1
Received by/da	nte:	A	121	17/16			The state of the s			
Logged By:	Lindsay Ma	angin	12/17/2016	7:45:00 A	M		Streety	Hayyo		
Completed By:	Lindsay Ma	angin	12/17/2016	8:39{06 A	M		Simby	Hayago		
Reviewed By:	·A		121	19/10	0		U	0		
Chain of Cu	stody	1		1;rf-r.	Ψ					
1. Custody se	eals intact on sa	ample bottles?			Yes	[]	No		Not Present	
2. Is Chain of	Custody comp	olete?			Yes	~	No		Not Present	
3. How was th	ne sample deliv	vered?			Cour	ier				
Log In										
4. Was an at	tempt made to	cool the sample	es?		Yes	Y	No		NA 🗌	
5. Were all sa	amples received	d at a temperate	ure of >0° C to	6.0°C	Yes	V	No		NA 🗌	
6. Sample(s)	in proper conta	ainer(s)?			Yes	V	No	[]		
7. Sufficient s	ample volume	for indicated tes	st(s)?		Yes	V	No			
8. Are sample	es (except VOA	and ONG) proj	perly preserved	1?	Yes	V	No			
9. Was prese	rvative added to	o bottles?			Yes		No	V	NA []	
10.VOA vials	have zero head	space?			Yes		No		No VOA Vials	
11. Were any	sample contain	ers received br	oken?		Yes		No	V	# of preserved	
10 -					400	0.121		r-1	bottles checked	
	rwork match bo epancies on ch	ottle labels? nain of custody)			Yes	V	No		for pH: (<2	or >12 unless noted)
	-	ntified on Chain			Yes	V	No		Adjusted?	
14. Is it clear w	hat analyses w	ere requested?	•		Yes	V	No			
	olding times able y customer for a				Yes	V	No		Checked by:	
Special Han						F:-7				
16. Was client	notified of all di	iscrepancies wi	th this order?		Yes		No	<u> </u>	NA 🔽	7
Perso	on Notified:		MACCIOCO MENDOS	Date:		- American		-		
	/hom:			Via:	eMa	ail [Phone [Fax	[] In Person	
Rega	rding:									
Clien	t Instructions:									
17. Additional	remarks:									
18. <u>Cooler Int</u> Cooler 1	. I tolker . I is	Condition Good	Seal Intact S	Seal No	Seal D	ate	Signed £	Зу		

Ch	iain-o	t-Cus	tody Record	Turn-Around 1	iiiie.			١,	1 1	1	Н	ΔI	1 6	=N	VT	RO	N	MF	NT	ΔI	
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ling Add	dress:	604 W	Pinon St.	COPC SAN	N JUAN 28-6	UNIT 127N			490	01 H						rque			09		
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Standar			□ Level 4 (Full Validation)															ĺ		1	
reditati	on:		•	Sampler: CL/S	G/																
VELAP		□ Other		On Ice:	Yes	□ No	. j 🔆														9
EDD (T	ype)			Sample Temp	erature: []		7.4				0.0				-						o o
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	16	BTEX - 8021B	TPH - EPA 418.1	TPH - 8015	Chlorides - 300.0										Air Bubbles (Y or N)
/12/16	12:16	SOIL	SB-3	2 - 4 oz.	cool	-MI		Х	Х	Х	Х							\dashv	+	+	4
/12/16	12:45	SOIL	SB-5	2 - 4 oz.	cool	- 00Z		Х	Х	X	Х									1	
													-				\dashv	-	+	+	+
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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

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

OrderNo.: 1703B58

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

andel

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

Project: COPC San Juan 28-6 Unit 127N

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 RANGI	E ORGANIC	S			Analyst	TOM
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	SE .				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.
- 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 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1703B58

Client Sample ID: SC-10

Date Reported: 3/24/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: COPC San Juan 28-6 Unit 127N 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	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE	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 RANG	E				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
- 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 5
- 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#:

1703B58

24-Mar-17

Client:

Animas Environmental

Project:

Sample ID LCS-30857

COPC San Juan 28-6 Unit 127N

SampType: LCS

Sample ID MB-30857	SampType: MBLK TestCode: EPA M				PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch	ID: 308	357	R	RunNo: 4	1593				
Prep Date: 3/23/2017	Analysis D	ate: 3/2	23/2017	S	eqNo: 1	304737	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	11		10.00		107	70	130			

	1 31						0	0	
Client ID: LCSS	Batch ID	30857	R	tunNo: 4	1593				
Prep Date: 3/23/2017	Analysis Date	3/23/2017	S	eqNo: 1	304744	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10 50.00	0	100	63.8	116			
Surr: DNOP	5.2	5.000		104	70	130			

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

Sample ID LCS-30846	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 30846	RunNo: 41593	
Prep Date: 3/22/2017	Analysis Date: 3/23/2017	SeqNo: 1305627	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.2 5.000	103 70	130

Sample ID MB-3084	6 SampType:	MBLK	Test	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID:	30846	R	unNo: 4	1593				
Prep Date: 3/22/20	17 Analysis Date:	3/23/2017	S	eqNo: 1	305628	Units: %Red			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11	10.00		105	70	130			

- * 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 5

- 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#:

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

Client ID:

PBS

Batch ID: **G41606**

RunNo: 41606

%REC

Prep Date:

Analysis Date: 3/23/2017

SPK value SPK Ref Val

SeqNo: 1305565

LowLimit

LowLimit

54

Units: mg/Kg

150

Analyte Gasoline Range Organics (GRO) Result ND 910

5.0 1000

91.2

HighLimit

RPDLimit %RPD

Qual

Surr: BFB

Sample ID 2.5UG GRO LCS

SampType: LCS

PQL

PQL

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 27

25.00

SPK value SPK Ref Val

109

%REC

76.4

%RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) Surr: BFB

1000

1000

99.6

54

150

HighLimit

Qualifiers:

- 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
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- 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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703B58

24-Mar-17

Client:

Animas Environmental

Project:

COPC San Juan 28-6 Unit 127N

Sample ID RB Client ID: PBS SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Batch ID: R41606

RunNo: 41606

Prep Date: Analysis Date: 3/23/2017 SeqNo: 1305574

Units: mg/Kg HighLimit

132

%RPD **RPDLimit**

Qual

PQL SPK value SPK Ref Val %REC LowLimit Analyte Result ND 0.025 Benzene Toluene ND 0.050 Ethylbenzene ND 0.050 ND 0.10 Xylenes, Total 1.1 Surr: 4-Bromofluorobenzene

Sample ID 100NG BTEX LCS

SampType: LCS

66.6 TestCode: EPA Method 8021B: Volatiles

RunNo: 41606

Client ID: LCSS

Batch ID: R41606

1.000

112

Prep Date:	Analysis Date: 3/23/2017			SeqNo: 1305575			Units: mg/l	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
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.
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Detection Limit
- 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 Environmental	Work Order Number:	1703B58		RcptNo:	1
Received by/date:	3 23 17				
Logged By: Lindsay Mangin 3/2	3/2017 7:20:00 AM		July Hago		į
Completed By: Lindşay Mangin 3/2	3/2017 8:27:05 AM		And the same		
Reviewed By:	3/23/17				
Chain of Custody	/ /				
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	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 pro	reserved?	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	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	for pH:	>12 unless noted)
13. Are matrices correctly identified on Chain of Cus	stody?	Yes 🗸	No 🗌	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:	
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this	order?	Yes	No 🗆	NA 🗹	
Person Notified:	Date		THE REAL PROPERTY OF THE PERSON OF THE PERSO		
By Whom:	Via:	eMail 🗍	Phone Fax	In Person	
Regarding:	AUG-MANAGEMENT PROPERTY OF THE	CHEST AND ASSESSED ASSESSED ASSESSED.			
Client Instructions:					
17. Additional remarks:					
18. Cooler Information					
Cooler No Temp °C Condition Seal II 1.7 Good Yes	ntact Seal No S	eal Date	Signed By		
J. 1.7 3000 res			 		

Ch	ain-o	f-Cus	tody Record	Turn-Around 1	Time:		HALL ENVIRONMENT			FA									
Client:	Anima	s Enviro	nmental Services, LLC	☐ Standard	X Rush_S	Same Day	-		=		VAL								
				Project Name:							ww.h								
Mailing Ad	dress:	604 W	Pinon St.	COPC SAI	N JUAN 28-6	UNIT 127N		49	01 Ha								109		
			gton, NM 87401	Project #: Tel. 505-345-3						E - Albuquerque, NM 87109 75 Fax 505-345-4107									
Phone #:	505-564									0 0 10		nalys			-	4101			
Email or F			n@animasenvironmental.c	Project Manager:						\neg	T	Т					T	T	\Box
QA/QC Pac X Standar			☐ Level 4 (Full Validation)	C. Lameman/ E. McNaliy				RO)											
Accreditati				Sampler: CL	1			N/O											
O NELAP		□ Other		The State of the S	On loe: ☐ Yes ☐ No			JO.											î
□ EDD (T	ype)			Sample Temp	erature:	7	m	BRC											b
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								\forall	\top	\top	
3/22/17	9:22	Soil	SC-10	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-002	X	X											
										4	_	_	_			_	4	4	
		-							_	+	+	+	-		\vdash	\dashv	\dashv	\dashv	
									\dashv	+	+	+	\vdash			+	\dashv	+	+
									-	+	+	+	\vdash			+	\dashv	+	+
										+	+	+				+	+	+	+
																\neg	\dashv	\top	\top
Date:	Time:	Relinquish	in lump	Received by:	Jaet	Date Time 3/12/17 1630 Date Time	W0 # 10398881 Supervisor: Randy Smith												
3/22/17	1824	Mu	stuff bets	4	17	2/22/170720													



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

andyl

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 RANG	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 RAN	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

Lab Order 1703B61

Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SC-3

COPC San Juan 28-6 Unit 127N Project:

CLIENT: Animas Environmental

Collection Date: 3/22/2017 10:57:00 AM

1703B61-002 Lab ID:

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)	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 RAM	NGE				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
- % 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 10 I
- 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-4

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 RANG	E ORGANICS	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 RANG	GE				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
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range E
- Analyte detected below quantitation limits Page 3 of 10 J
- 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-5

COPC San Juan 28-6 Unit 127N Project:

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

1703B61-004 Lab ID:

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	GE ORGANIC	S			Analyst	: MAB
Diesel Range Organics (DRO)	260	10	mg/K	g 1	3/24/2017 5:12:47 PM	30871
Motor Oil Range Organics (MRO)	61	50	mg/K	g 1	3/24/2017 5:12:47 PM	30871
Surr: DNOP	86.4	70-130	%Red	: 1	3/24/2017 5:12:47 PM	30871
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	440	33	mg/K	g 10	3/23/2017 9:15:56 PM	30837
Surr: BFB	529	54-150	S %Red	: 10	3/23/2017 9:15:56 PM	30837
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.17	mg/K	g 10	3/23/2017 9:15:56 PM	30837
Toluene	ND	0.33	mg/K	g 10	3/23/2017 9:15:56 PM	30837
Ethylbenzene	ND	0.33	mg/K	g 10	3/23/2017 9:15:56 PM	30837
Xylenes, Total	14	0.66	mg/K	g 10	3/23/2017 9:15:56 PM	30837
Surr: 4-Bromofluorobenzene	119	66.6-132	%Red	: 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.
- D Sample Diluted Due to Matrix
- Н 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
- Ε Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 10 J
- Sample pH Not In Range
- 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 Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	S			Analys	: 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 RAN	IGE				Analys	: 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					Analys	: 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

Lab Order 1703B61

Date Reported: 3/27/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-8

COPC San Juan 28-6 Unit 127N Project:

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 RANGE		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 RANGE	Ε					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.
- 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 6 of 10 J
- 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-11

COPC San Juan 28-6 Unit 127N Project:

Collection Date: 3/22/2017 9:40:00 AM

Lab ID: 1703B61-007

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				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 RANG	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.
- 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 7 of 10 J
- 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.

56

4.3

9.3

46.25

4.625

WO#: 1703B61

27-Mar-17

Client:

Animas Environmental

Project:		n Juan 28-6		127N							
Sample ID	MB-30871	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	PBS	Batch ID: 30871			RunNo: 41626						
Prep Date:	3/23/2017	Analysis Da	ate: 3/	24/2017	S	SeqNo: 1	306244	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Notor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		8.1		10.00		81.3	70	130			
Sample ID	LCS-30871	SampTy	pe: LC	S	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 30	871	F	RunNo: 4	1626				
Prep Date:	3/23/2017	Analysis Da	ate: 3/	24/2017	8	SeqNo: 1	306288	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	49	10	50.00	0	97.0	63.8	116			
Surr: DNOP		4.5		5.000		89.5	70	130			
Sample ID	1703B61-001AMS	SampTy	pe: M S	3	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	SC-2	Batch	ID: 30	871	F	RunNo: 4	1626				
Prep Date:	3/23/2017	Analysis Da	ate: 3/	24/2017	S	SeqNo: 1	306941	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	53	9.2	45.79	17.92	76.7	51.6	130			
Surr: DNOP		3.9		4.579		85.7	70	130			
Sample ID	1703B61-001AMS	D SampTy	pe: MS	SD	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	SC-2	Batch	ID: 30	871	F	RunNo: 4	1626				
Prep Date:	3/23/2017	Analysis Da	ate: 3/	24/2017	S	SeqNo: 1	306942	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

17.92

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Diesel Range Organics (DRO)

Surr: DNOP

- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В
- E Value above quantitation range
- Analyte detected below quantitation limits J
 - Sample pH Not In Range
- RL Reporting Detection Limit

P

Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank

51.6

70

83.0

92.4

6.01

0

130

130

Page 8 of 10

20

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

Client ID:

PBS

Batch ID: G41606

RunNo: 41606

SeqNo: 1305565

Units: mg/Kg

Prep Date:

Analysis Date: 3/23/2017 **PQL**

150

Analyte Gasoline Range Organics (GRO)

ND 910

Result

SPK value SPK Ref Val

%REC LowLimit HighLimit

Qual

Surr: BFB

1000

912

54

%RPD **RPDLimit**

Sample ID 2.5UG GRO LCS

SampType: LCS

5.0

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: G41606

5.0

RunNo: 41606

Analyte

Prep Date:

Analysis Date: 3/23/2017

1000

SeqNo: 1305566

Units: mg/Kg

%RPD

Gasoline Range Organics (GRO)

Result PQL

27

1000

Result

ND

SPK value 25.00

SPK Ref Val %REC 109

0

Lowl imit

76.4

LowLimit

54

54

HighLimit 125

150

RPDLimit

Qual

Surr: BFB

Sample ID MB-30837

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS**

Batch ID: 30837

PQL

5.0

RunNo: 41605

99.6

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

SeqNo: 1305591 %REC

Units: mg/Kg HighLimit

Gasoline Range Organics (GRO) Surr: BFB

980

Batch ID: 30837

PQL

5.0

1000

SPK value SPK Ref Val

SPK value SPK Ref Val

97.8

150

%RPD **RPDLimit**

Qual

Client ID: LCSS

Sample ID LCS-30837

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 41605

Qual

Prep Date: Analyte

3/22/2017

Analysis Date: 3/23/2017

%REC

SeqNo: 1305592

LowLimit

Units: mg/Kg HighLimit

%RPD

RPDLimit

Page 9 of 10

Gasoline Range Organics (GRO) Surr: BFB

30 1200

Result

25.00 1000 0

119 116 76.4 54

125 150

Oualifiers:

R

- 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

RPD outside accepted recovery limits

- % Recovery outside of range due to dilution or matrix S
- 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

Hall Environmental Analysis Laboratory, Inc.

WO#:

Page 10 of 10

1703B61

27-Mar-17

Client: Project: Animas Environmental

COPC San Juan 28-6 Unit 127N

Sample ID RB	SampT	SampType: MBLK			Code: El					
Client ID: PBS	Batch	Batch ID: R41606			RunNo: 4	1606				
Prep Date:	Analysis D	ate: 3/	23/2017	SeqNo: 1305574 Units: mg/Kg						
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 1	00NG BTEX LCS	SampT	SampType: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: L	.css	Batch	ID: R4	1606	R	RunNo: 4							
Prep Date:		Analysis D	ate: 3/	23/2017	S	SeqNo: 1	305575	Units: mg/K	its: mg/Kg				
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-Bromof	fluorobenzene	1.2		1.000		116	66.6	132					

Sample ID MB-30837	SampT	уре: МЕ	BLK	Test	tCode: E	iles				
Client ID: PBS	Batch	1D: 30	837	R	RunNo: 4	1605				
Prep Date: 3/22/2017	Analysis Date: 3/23/2017 SeqNo: 1305611 Units: mg/Kg							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		108	66.6	132			

Sample ID LCS-30837	SampType: LCS TestCode: EPA Method 8021B: Vo							tiles		
Client ID: LCSS	Batch	1D: 30	837	F	RunNo: 4	1605				
Prep Date: 3/22/2017	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
Benzene	0.97	0.025	1.000	0	96.5	80	120			
Toluene	1.0	0.050	1.000	0	100	80	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	1.1		1.000		111	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



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 Env	rironmental	Work Order Number:	1703B61		RcptNo	1
Received by/date:	1	02 2317				
Logged By: Lindsay Ma	angin	3/23/2017 7:20:00 AM		July Hages		
Completed By: Lindsay Ma	angin	3/23/2017 8:46:Q1 AM		July Hages		
Reviewed By:	}_	03/23/17				
Chain of Custody						
1. Custody seals intact on sa	ample bottles?		Yes	No 🗆	Not Present ✓	
2. Is Chain of Custody comp	lete?		Yes 🗹	No 🗆	Not Present	
3. How was the sample deliv	rered?		Courier			
Log In						
4. Was an attempt made to	cool the samples?		Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received	d at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗔	NA 🗆	
6. Sample(s) in proper conta	ainer(s)?		Yes 🗹	No 🗆		
7. Sufficient sample volume	for indicated test(s	3)?	Yes 🗹	No 🗌		
8. Are samples (except VOA	and ONG) proper	ly preserved?	Yes 🗸	No 🗌		
9. Was preservative added to	o bottles?		Yes	No 🗹	NA 🗆	
10.VOA vials have zero head	space?		Yes	No 🗆	No VOA Vials 🗹	
11. Were any sample contain	ers received broke	en?	Yes	No 🗸	# of preserved	
12. Does paperwork match bo	ttle lahele?		Yes ✓	No 🗆	bottles checked for pH:	
(Note discrepancies on ch			103			or >12 unless noted)
13. Are matrices correctly iden	ntified on Chain of	Custody?	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear what analyses w	ere requested?		Yes 🗸	No 🗆		
15. Were all holding times abl			Yes 🗹	No 🗆	Checked by:	
Special Handling (if app	olicable)					
16. Was client notified of all di	iscrepancies with t	his order?	Yes	No 🗌	NA 🗹	
Person Notified:	THE REAL PROPERTY OF THE PERSON NAMED AND POST OF THE PERSON NAMED AND POS	Date				
By Whom:		Via:	eMail [Phone Fax	In Person	
Regarding:						
Client Instructions:	***************************************	OMERA AND THE MESSAGE AS A CLASSIC AND A SECURE AND THE SECURE AND A SECURE AND A SECURE AS A SECURE A			O ANTAG MUTATION PROTOCOLOGICA PROTOCOLOGICA ANTAGO ACUBIC	
17. Additional remarks:						
18. Cooler Information Cooler No Temp °C 1 1.7	Condition Se		Seal Date	Signed By		
Deer Left						

Ch	ain-o	f-Cus	tody Record	Turn-Around Time:					Č.		A 1		-	\/T	D	200	ME	- 1.17			
Client:	Anima	s Enviro	nmental Services, LLC	☐ Standard Project Name:	the Personal Property lies and	3-TAT				A		LY	/SI	S	LA	BC	DR	ATC			
Mailing Ad	dress:	604 W	Pinon St.	COPC SAI	N JUAN 28-6	UNIT 127N		49	01 H			7,77,786.7					M 87	109			
			gton, NM 87401	Project #:						5-34							4107				
Phone #:	505-564	-2281				_					THE REAL PROPERTY.			s Re		-					
Email or F	ax#:	clamema	an@animasenvironmental.c	Project Manag	ger:																
QA/QC Pac X Standar	7		☐ Level 4 (Full Validation)		C. Lamema	n/ E. McNally		(ON)													
Accreditati	on:	□ Other		Sampler: CL On Ice:	Z Yes	□ No		DROM												=	
□ EDD (T	ype)	_		Sample Temp	erature: [1			S												2	5
Date	Time	Matrix	Sample Request ID	Container Type and #	Type and # Type HEAL NO. X													Air Bubbles (Y or N)	און מתממומם וא		
3/22/17	8:40	Soil	SC-2	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-001	X	X													
3/22/17	10:57	Soil	SC-3	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-002	х	Х	N												
3/17/17	11:20	Soil	SC-4	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-003	X	x								1		T	T		
3/17/17	11:25	Soil	SC-5	1 - MeOH Kit 1 - 4 oz iar	MeOH Cool MeOH	-001	X	Х													
3/22/17	8:59	Soil	SC-7	1 - MeOH Kit	Cool	-005	Х	Х													
3/22/17	9:15	Soil	SC-8	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool MeOH	-06	X	X													
3/22/2017	9:40	Soil	SC-11	1 - MeOH Kit 1 - 4 oz iar	Cool	-007	Х	X			-		-					+	+	+	-
											+							+	+	+	-
											1							\perp	\perp	1	_
Date:	Time:	Relinquishe	<u>ilu</u>	Received by:	Waete	Date Time 3/22/17 1/530 Date Time	WO Sup	# 10 ervis	398 or: F	to Co 881 tandy AKLB	Smi		nillips	3							-
1/2/17	1824	amoles subm	State Hall Environmental may be sub	y be subcontracted to other accredited laboratories. This serves as notice of						isa F			ata wili	be cle	santy n	otated	on the	analyti	cal rec	oort	



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

IAA

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	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	3			Analyst	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 RANG	SE .				Analyst	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					Analyst	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

Date Reported: 4/3/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-6

Project: COPC San Juan 28 6 Unit 127N

Collection Date: 3/29/2017 11:40:00 AM

Lab ID:

1703E72-002

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 RANGI	E ORGANICS	S				Analyst	TOM
Diesel Range Organics (DRO)	39	9.6		mg/Kg	1	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	30996
Surr: DNOP	108	70-130		%Rec	1	3/31/2017 6:32:00 PM	30996
EPA METHOD 8015D: GASOLINE RANG	BE .					Analyst	NSB
Gasoline Range Organics (GRO)	110	3.1		mg/Kg	1	3/31/2017 3:08:24 AM	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		mg/Kg	1	3/31/2017 3:08:24 AM	B41768
Toluene	ND	0.031		mg/Kg	1	3/31/2017 3:08:24 AM	B41768
Ethylbenzene	ND	0.031		mg/Kg	1	3/31/2017 3:08:24 AM	B41768
Xylenes, Total	2.1	0.062		mg/Kg	1	3/31/2017 3:08:24 AM	B41768
Surr: 4-Bromofluorobenzene	95.3	66.6-132		%Rec	1	3/31/2017 3:08:24 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 2 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

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) Receiv

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

Analyses	Result	PQL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	S			Analyst	TOM
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 RAN	IGE				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.
- 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 8
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W 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 Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	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.

WO#: 1703E72

03-Apr-17

Client: Project: Animas Environmental

COPC San Juan 28 6 Unit 127N

Sample ID LCS-30969	SampType	e: LCS	Test	estCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID	30969	R	unNo: 4	1755					
Prep Date: 3/29/2017	Analysis Date	e: 3/30/2017	SeqNo: 1311683 Units: %Rec							
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	5.2	5.000		104	70	130				

Samp	DIE ID MB-309	69 Sampi	ype: MBL	-K	resi	Code: E	PA Method	8015M/D: Die	sei Range	Organics	
Clien	ID: PBS	Batch	n ID: 3096	69	R	unNo: 4	1755				
Prep	Date: 3/29/2	O17 Analysis D	ate: 3/30	0/2017	S	eqNo: 1	311684	Units: %Rec			
Analy	te	Result	PQL :	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	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	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.9 5.000	98.7 70	130

Sample ID MB-31008	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 31008	RunNo: 41755
Prep Date: 3/31/2017	Analysis Date: 3/31/2017	SeqNo: 1312227 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	11 10.00	106 70 130

Sample ID	1703E72-001AMS	Samply	pe: MS	5	Test	Code: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	SC-5	Batch	ID: 30	996	R	tunNo: 4	1755				
Prep Date:	3/30/2017	Analysis Da	ite: 3/	31/2017	S	eqNo: 1	312823	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	68	9.7	48.50	26.25	86.0	51.6	130			
Surr: DNOP		4.7		4.850		97.0	70	130			

Sample ID 1703E72-00	1AMSD SampTyp	e: MS	SD	Tes	tCode: E	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: SC-5	Batch I	D: 30	996	F	RunNo: 4	1755				
Prep Date: 3/30/2017	Analysis Dat	e: 3/	31/2017	S	SeqNo: 1	312824	Units: mg/F	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	73	9.8	49.21	26.25	94.8	51.6	130	6.99	20	
Surr: DNOP	5.4		4.921		111	70	130	0	0	

Qualifiers:

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

RPD outside accepted recovery limits R

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

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

Page 5 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 1703E72

03-Apr-17

Client:

Animas Environmental

Project: COPC S	San Juan 28 (5 Omit	12/19							
Sample ID LCS-30996	SampTy	ype: LC	S	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	atch ID: 30996 RunNo: 41755								
Prep Date: 3/30/2017	Analysis Da	ate: 3/	31/2017	S	SeqNo: 1	312831	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.1	63.8	116			
Surr: DNOP	4.8		5.000		97.0	70	130			
Sample ID MB-30996	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Sample ID MB-30996 Client ID: PBS		ype: ME			tCode: El		8015M/D: Die	esel Rang	e Organics	
		ID: 30	996	R		1755	8015M/D: Die		e Organics	
Client ID: PBS	Batch	ID: 30	996 31/2017	R	RunNo: 4 SeqNo: 1	1755			e Organics RPDLimit	Qual
Client ID: PBS Prep Date: 3/30/2017	Batch Analysis Da	ID: 30 9	996 31/2017	R	RunNo: 4 SeqNo: 1	1755 312832	Units: mg/K	(g		Qual
Client ID: PBS Prep Date: 3/30/2017 Analyte	Batch Analysis Da Result	ID: 30 : ate: 3 /	996 31/2017	R	RunNo: 4 SeqNo: 1	1755 312832	Units: mg/K	(g		Qual

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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703E72

03-Apr-17

Client:

Animas Environmental

	San Juan 28 6 Unit 127N			
Sample ID RB	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: G41768	RunNo: 41768		
Prep Date:	Analysis Date: 3/30/2017	SeqNo: 1311397	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDL	imit Qual
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	880 1000	88.5 54	150	
Sample ID 2.5UG GRO LCS	S SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: G41768	RunNo: 41768		
Prep Date:	Analysis Date: 3/30/2017	SeqNo: 1311398	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDL	imit 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: 3/29/2017	Analysis Date: 3/30/2017	SeqNo: 1311406	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDL	imit Qual
Surr: BFB	780 1000	78.0 54	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	

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPI
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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 7 of 8

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703E72

03-Apr-17

Client:

Animas Environmental

Project:

COPC San Juan 28 6 Unit 127N

Sample ID	KB
Client ID:	DDC

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

SPK value SPK Ref Val %REC LowLimit

Client ID: PBS

Batch ID: **B41768**

RunNo: 41768

Analysis Date: 3/30/2017

0.025

SeqNo: 1311432

Units: mg/Kg

Prep Date: Analyte

Result PQL

ND

HighLimit

%RPD **RPDLimit**

Qual

Qual

Benzene Toluene Ethylbenzene Xylenes, Total

ND 0.050 0.050 ND ND 0.10 Surr: 4-Bromofluorobenzene 1.0

1.000

101

66.6

132

Sample ID 100NG BTEX LCS Client ID: LCSS

SampType: LCS Batch ID: **B41768**

RunNo: 41768

TestCode: EPA Method 8021B: Volatiles

Prep Date:

Analysis Date: 3/30/2017

SeqNo: 1311433

Units: mg/Kg

%RPD **RPDLimit** Qual

SPK value SPK Ref Val %REC HighLimit Analyte Result PQL LowLimit 0.94 0.025 1.000 80 94 1 120 Benzene 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 0.97 Surr: 4-Bromofluorobenzene 1.000 96.8 66.6 132

Sample ID MB-30956

SampType: MBLK

SPK value SPK Ref Val

SPK value SPK Ref Val

TestCode: EPA Method 8021B: Volatiles

66.6

Client ID: PRS Prep Date:

3/29/2017 Analysis Date: 3/30/2017

RunNo: 41768

Units: %Rec

132

LowLimit HighLimit

Analyte Surr: 4-Bromofluorobenzene

Client ID:

Result 0.88

SeqNo: 1311441 %REC

87.7

%RPD **RPDLimit**

Sample ID LCS-30956

LCSS

SampType: LCS

Batch ID: 30956

PQL

TestCode: EPA Method 8021B: Volatiles

RunNo: 41768

Prep Date: 3/29/2017

Batch ID: 30956 Analysis Date: 3/30/2017

POL

SeqNo: 1311442

Units: %Rec

HighLimit

%RPD **RPDLimit** Qual

Page 8 of 8

Analyte Surr: 4-Bromofluorobenzene

0.84

Result

1.000

1.000

%REC 84.4 I owl imit 66.6

132

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- 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
- 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



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 Number	r: 1703E72		RcptNo:	1
Received by/date: CF 70 17				
Logged By: Lindsay Mangin 3/30/2017 7:30:00 AM	1	July Hogo		
Completed By: Lindsay Mangin 3/30/2017 8:31:44 AM	1	July Hago		
Reviewed By: 11 03/30/17				
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			
<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	
12. Does paperwork match bottle labels?	Yes 🔽	No 🗆	bottles checked for pH:	
(Note discrepancies on chain of custody)	103 1		(<2	or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	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:	
Special Handling (if applicable)	Yes 🗍	No. [[2]	
16. Was client notified of all discrepancies with this order?	Yes 🗆	No 🗆	NA 🗹	
Person Notified: Date				
By Whom: Via:	eMail	Phone Fax	In Person	
Regarding: Client Instructions:	A. COLUMN TO THE PROPERTY AND ADDRESS OF THE PARTY OF THE	TIME WAS ASSETTED AND ASSETTED AND ASSETTED ASSE	****	
17. Additional remarks:				
18. Cooler Information				
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		
1 1.8 Good Yes				
<u> </u>				

	naın	-01-CU	istody Record	Turi-Around	IIIIG.					Н		E	NIX	/TE	20	RIR	AEI	NTA	A.II
Client:	Anima	s Envir	Immental Survices	☐ Standard	Rush	3Day TAT				AN		YS	519	5 L	AE	30		TO	
Mailing	Address	10641	Pinen St	-	_			400	4 Ha	www. wkins							1100		
		Tar	L. L. NILL DAVILLE	Project #:															
Phone	#: 585	94-22	instra N4 87411	and -	Juan 28	-60rit 127N		Te	. 505	-345-	-	analy		-	-	4107			
			ranonescriornantal. Con					3	0	\top			(\$					T	
	Package:		☐ Level 4 (Full Validation)	1		E. McNally	∓MB's (8021)	+ TPH (Gas only)	SO / MR		SIMS)		PO4,SC	PCB's					
Accredi		□ Othe	r	Sampler:	CHOS	□ No	1	TPH	3/ DF	13			NO2	8082					Î
□ EDD		2 01110	-	On Ice:	perature: / ×			+	GRC	504	9 10	SE	S N	les/		VOA			Y or
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	EDB (Method 504.1)	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)
3-29-17	1524	Soil	SC-5	1-40 jar	CODI	-001	X		X										
1	1140	Soil	SC-6	1	1	-00Z	X		X										
	1415	Sail	SC-8			-003	×	$\overline{}$	X										
	1145	Soil	82-9	1	+	-004	×		×										
																		+	
Date: 12917 Date: 12917	Time: 1947 Time: 1820	Relinquishe Relinquishe	nh	Received by:	- Ubeli	Date Time 3/29/-7 1747 Date Time 3/30/17 0730	1120	4.1	0294	to Co		Phy	lips	mde U i	red of a	Syl	ا دنا د	sa Hi	inta
If	necessary.	samples subr	nitted to Hall Environmental may be subc	contracted to other ac	credited laboratorie	s. This serves as notice of this	possib	ility. A	ny sub-	contract	ed data	will be	e clear	ly nota	ated on	the at	nalytical	report.	



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

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

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

RE: COPC San Juan 28-6 Unit 127 N

OrderNo.: 1703E90

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

Only

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 Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	3			Analyst	TOM
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 RANG	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#:

Page 2 of 4

1703E90

03-Apr-17

	s Environmental Services San Juan 28-6 Unit 127 N	
Sample ID LCS-30969 Client ID: LCSS Prep Date: 3/29/2017	SampType: LCS Batch ID: 30969 Analysis Date: 3/30/2017	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755 SeqNo: 1311683 Units: %Rec
Analyte Surr: DNOP	Result PQL SPK value 5.2 5.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 104 70 130
Sample ID MB-30969 Client ID: PBS Prep Date: 3/29/2017	SampType: MBLK Batch ID: 30969 Analysis Date: 3/30/2017	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755 SeqNo: 1311684 Units: %Rec
Analyte Surr: DNOP	Result PQL SPK value 10 10.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 101 70 130
Sample ID LCS-31008 Client ID: LCSS Prep Date: 3/31/2017	SampType: LCS Batch ID: 31008 Analysis Date: 3/31/2017	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755 SeqNo: 1312226 Units: %Rec
Analyte Surr: DNOP	Result PQL SPK value 4.9 5.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 98.7 70 130
Sample ID MB-31008 Client ID: PBS Prep Date: 3/31/2017	SampType: MBLK Batch ID: 31008 Analysis Date: 3/31/2017	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755 SeqNo: 1312227 Units: %Rec
Analyte Surr: DNOP	Result PQL SPK value 11 10.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 106 70 130
Sample ID LCS-30996 Client ID: LCSS Prep Date: 3/30/2017	SampType: LCS Batch ID: 30996 Analysis Date: 3/31/2017	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755 SeqNo: 1312831 Units: mg/Kg
Analyte Diesel Range Organics (DRO) Surr: DNOP	Result PQL SPK value 48 10 50.00 4.8 5.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 96.1 63.8 116 97.0 70 130
Sample ID MB-30996 Client ID: PBS Prep Date: 3/30/2017	SampType: MBLK Batch ID: 30996 Analysis Date: 3/31/2017	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 41755 SeqNo: 1312832 Units: mg/Kg
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Result PQL SPK value ND 10 ND 50 11 10.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 107 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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703E90

03-Apr-17

Client: Project: Animas Environmental Services

Sample ID RB

COPC San Juan 28-6 Unit 127 N

SampType: MBLK Batch ID: **G41768** TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

RunNo: 41768

Prep Date:

Analysis Date: 3/30/2017

SeqNo: 1311397

Units: mg/Kg

Analyte

Result PQL

HighLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

ND 5.0 880

1000

88.5

150

%RPD **RPDLimit**

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

SPK value SPK Ref Val %REC LowLimit

0

Client ID: LCSS

Batch ID: G41768

RunNo: 41768

54

SeqNo: 1311398

Units: mg/Kg

125

150

Prep Date: Analyte Gasoline Range Organics (GRO)

Surr: BFB

Analysis Date: 3/30/2017 Result PQL

SPK value SPK Ref Val

25.00

1000

%REC 106

LowLimit HighLimit 76.4 54

%RPD

%RPD

RPDLimit

Qual

Sample ID MB-30956

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

26

980

Batch ID: 30956 Analysis Date: 3/30/2017

5.0

RunNo: 41768

SeqNo: 1311406

98.4

Units: %Rec

Analyte

Prep Date:

Result

PQL 780

Analysis Date: 3/30/2017

PQL

SPK value SPK Ref Val 1000

%REC LowLimit 78.0

HighLimit

%RPD **RPDLimit**

Qual

Surr: BFB

Sample ID LCS-30956

3/29/2017

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

LCSS

3/29/2017

Batch ID: 30956

RunNo: 41768

SeqNo: 1311407

Units: %Rec

Page 3 of 4

RPDLimit Qual

Analyte Surr: BFB

Client ID:

Prep Date:

Result 830

1000

SPK value SPK Ref Val

%REC 83.2

54

LowLimit

HighLimit 150

Qualifiers:

ND

S

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

% Recovery outside of range due to dilution or matrix

- Not Detected at the Reporting Limit RPD outside accepted recovery limits R
- 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
- W Sample container temperature is out of limit as specified
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1703E90

03-Apr-17

Client: Project: Animas Environmental Services

Sample ID RB

COPC San Juan 28-6 Unit 127 N

Client ID:

SampType: MBLK

PQL

0.025

0.050

TestCode: EPA Method 8021B: Volatiles

PBS

Batch ID: **B41768**

RunNo: 41768

SPK value SPK Ref Val %REC LowLimit

0

0

0

0

Prep Date:

Analysis Date: 3/30/2017 Result

ND

1.0

Result

0.94

0.98

1.0

3.1

0.97

1.000

1.000

1.000

1.000

3.000

1.000

1.000

SegNo: 1311432

Units: mg/Kg HighLimit

%RPD **RPDLimit**

RPDLimit

Qual

Qual

Analyte Benzene Toluene

ND Ethylbenzene ND Xylenes, Total ND

0.050 0.10

101

66.6

TestCode: EPA Method 8021B: Volatiles

LowLimit

80

80

80

80

66.6

132

Sample ID 100NG BTEX LCS Client ID:

Surr: 4-Bromofluorobenzene

LCSS

Batch ID: **B41768** Analysis Date: 3/30/2017

PQL

0.025

0.050

0.050

0.10

SampType: LCS

RunNo: 41768

%REC

94 1

97.9

100

104

96.8

SeqNo: 1311433

120

120

120

120

132

Units: mg/Kg

HighLimit

Analyte Benzene Toluene Ethylbenzene

Prep Date:

Xylenes, Total Surr: 4-Bromofluorobenzene

PBS

Sample ID MB-30956

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles Batch ID: 30956

SPK value SPK Ref Val

RunNo: 41768

Units: %Rec

Prep Date: Analyte

Client ID:

Surr: 4-Bromofluorobenzene

3/29/2017

Result PQL 0.88

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

SeqNo: 1311441

66.6

LowLimit

HighLimit

132

%RPD

%RPD

%RPD

RPDLimit

Qual

Sample ID LCS-30956

LCSS

SampType: LCS

Batch ID: 30956

TestCode: EPA Method 8021B: Volatiles RunNo: 41768

%REC

87.7

Analysis Date: 3/30/2017

PQL

SeqNo: 1311442

Units: %Rec

RPDLimit Qual

Page 4 of 4

Analyte

Client ID:

Prep Date:

Surr: 4-Bromofluorobenzene

3/29/2017

Result 0.84 SPK value SPK Ref Val 1.000

%REC 84.4

LowLimit 66.6 HighLimit 132

- 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
- 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
- P Sample pH Not In Range
- RL. Reporting Detection Limit
- W 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 Environmental	Work Order Number:	1703E90		RcptNo	1
Received by/da	te: LM	03 (30 117				
Logged By:	Andy Jansson	3/30/2017 7:30:00 AM		affecter		
Completed By:	Andy Junssen	03/30/17				
Reviewed By:	SO	03/30/17				
Chain of Cus	stody					
1. Custody se	als intact on sample bottles?		Yes 🗌	No 🗌	Not Present	
2. Is Chain of	Custody complete?		Yes 🗸	No 🗌	Not Present	
3. How was th	e sample delivered?		Courier			
Log In						
4. Was an att	empt made to cool the sample	es?	Yes 🗸	No 🗆	NA 🗆	
5. Were all sa	imples received at a temperati	ure of >0° C to 6.0°C	Yes 🗸	No 🗆	NA 🗌	
6. Sample(s)	in proper container(s)?		Yes 🗹	No 🗌		
7. Sufficient s	ample volume for indicated te	st(s)?	Yes 🗸	No 🗆		
8. Are sample	s (except VOA and ONG) pro	perly preserved?	Yes 🗸	No		
9. Was presen	vative added to bottles?		Yes	No 🗸	NA 🗆	
10.VOA vials h	nave zero headspace?		Yes	No 🗆	No VOA Vials	
11. Were any	sample containers received br	oken?	Yes —	No 🗸	# of preserved	
12 Does naner	rwork match bottle labels?		Yes V	No 🗌	bottles checked for pH:	
Control of the Contro	epancies on chain of custody)		100		(<2 or	>12 unless noted)
13. Are matrice	s correctly identified on Chain	of Custody?	Yes V	No	Adjusted?	
14, Is it clear w	hat analyses were requested?	•	Yes 🗸	No 🗌		
	Iding times able to be met? customer for authorization.)		Yes 🗸	No 🗆	Checked by:	
Cassial Han	dling (if applicable)					
			M:	O	*** ****	
	notified of all discrepancies wi		Yes _	No 🗆	NA 🗹	
	n Notified:	Date:				
By W		Via:	eMail	Phone Fax	In Person	
Rega	raing:					
17. Additional	1					
18. Cooler Inf						
Cooler		Seal Intact Seal No 5	Seal Date	Signed By		
1		Not Present				
					The state of the s	The

	analytical report.	on the a	notated	clearity	will be	d data	ntracte	sub-co	Any	saibility	this pos	ss. This serves as notice of	credited laboratorie	contracted to other ac	if necessary, samples submitted to Hell 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	samples submi	f necessary.	
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Air Gubblee		8260B (VO	8081 Pestic	Anions (F,C	RCRA 8 Me	PAH's (831	EDB (Metho	TPH (Metho	TPH 8015B	BTEX + MT	BTEX + MT	HEAL NO.	Preservative Type	the state of the s	Sample Request ID	Matrix	Time	Date
1)/					_	0 or	-				BE.	33	perature: 18	Sample Temperature			□ EDD (Type)	□ ED(
515		(A)	808 / 8			8270					+ IME	DI	X Yes	Sampler: On Ice:		□ Other	AP	Accreditation □ NELAP
			2 PC			SIMS					l'e /P	E. Mc Nally	c. Lameman / e	C.Un	☐ Level 4 (Full Validation)		ndard	Standard
			B's	***************************************		5)					0211		<u> </u>	Project Mana	email of Fexific CLAMPHANICAN MASSINVION METAIL Project Manager:	kroullan vo.	QA/QC Package:	DAVQC
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	17	Fax 505-345-4107	05-34	ax 5	m	975	45-3	Tel. 505-345-3975	GI. E		_			Project #:	Francisco my sound	Farmine		
	7109	Albuquerque, NM 87109	rque,	due	Albu	E.	kins l	4901 Hawkins NE	901	4					Mailing Address: 404 W. Pings St	M 407	Address	Mailing
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4	LABORATORY	BO		NALYSIS		A	Z				<u> </u>		□ Rush	₫ Standard	Animas Environmental Services	strun		Client
	ENVIRONMENTAL	Z	TR.	5		-	IAI							_	and income			

Air Bubbles (Y or N)

Chain-of-Custody Record

Turn-Around Time:



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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Only

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 Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE	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.
- 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 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-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	SE 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 RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	130	2.9		mg/Kg	1	4/12/2017 6:35:21 PM	SG42060
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
- B 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
- 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 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

COPC San Juan 28 6 Unit 127N Project:

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 RANG	SE ORGANIC	S				Analyst	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 RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	49	2.9		mg/Kg	1	4/12/2017 7:21:56 PM	SG42060
Surr: BFB	416	54-150	S	%Rec	1	4/12/2017 7:21:56 PM	SG42060
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.015		mg/Kg	1	4/12/2017 7:21:56 PM	SB42060
Toluene	ND	0.029		mg/Kg	1	4/12/2017 7:21:56 PM	SB42060
Ethylbenzene	ND	0.029		mg/Kg	1	4/12/2017 7:21:56 PM	SB42060
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
- % 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 4 of 9 J
- 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-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	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	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 RAN	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	SB4206
Toluene	ND	0.032	mg/Kg	1	4/12/2017 7:45:20 PM	SB4206
Ethylbenzene	ND	0.032	mg/Kg	1	4/12/2017 7:45:20 PM	SB4206
Xylenes, Total	0.13	0.064	mg/Kg	1	4/12/2017 7:45:20 PM	SB4206
Surr: 4-Bromofluorobenzene	114	66.6-132	%Rec	1	4/12/2017 7:45:20 PM	SB4206

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
- 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 Page 5 of 9 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#:

1704455

14-Apr-17

Client:	
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Animas Environmental

Project:	COPC Sa	n Juan 28 6	6 Unit	127N							
Sample ID	MB-31222	SampTy	pe: MI	BLK	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 31	222	F	tunNo: 4	2086				
Prep Date:	4/13/2017	Analysis Da	ate: 4/	13/2017	S	SeqNo: 1	321896	Units: %Red	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		11		10.00		112	70	130			
Sample ID	LCS-31222	SampTy	ype: LC	s	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 31	222	F	lunNo: 4	2086				
Prep Date:	4/13/2017	Analysis Da	ate: 4/	/13/2017	8	SeqNo: 1	321918	Units: %Re	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.3		5.000		106	70	130			
Sample ID	LCS-31205	SampTy	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 31	205	F	RunNo: 4	2092				
Prep Date:	4/12/2017	Analysis Da	ate: 4	/13/2017	8	SeqNo: 1	322086	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	42	10	50.00	0	83.8	63.8	116			
Surr: DNOP		4.3		5.000		85.9	70	130		N	
Sample ID	MB-31205	SampTy	ype: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 31	205	F	RunNo: 4	2092				
Prep Date:	4/12/2017	Analysis Da	ate: 4	/13/2017	8	SeqNo: 1	322087	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	ND	10								
Motor Oil Rang Surr: DNOP	ge Organics (MRO)	ND 8.4	50	10.00		83.9	70	130			
	1704455-001AMS	SampTy						8015M/D: Die	esel Rang	e Organics	
Client ID:			ID: 31			RunNo: 4		11-2			
	4/12/2017	Analysis Da				SeqNo: 1		Units: mg/K			
Analyte	Organics (DRO)	Result 91	PQL 9.9	SPK value 49.60	SPK Ref Val	%REC 56.5	LowLimit 51.6	HighLimit 130	%RPD	RPDLimit	Qual
Surr: DNOP		4.7	5.5	4.960	03.13	95.0	70	130			
Sample ID	1704455-001AMSI) SampTy	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	SC-5	Batch	ID: 31	205		RunNo: 4					
Prep Date:	4/12/2017	Analysis Da	ate: 4	/13/2017	S	SeqNo: 1	322366	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	96	9.6	47.80	63.13	69.2	51.6	130	5.35	20	

- 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
- RPD outside accepted recovery limits R
- % 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 6 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.

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

Analyte

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

4.780

0

Qual

0

Result

89.4

Surr: DNOP

PQL

130

4.3

70

RPDLimit

Qualifiers:

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

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

J Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit RL

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	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	n ID: SG	42060	F	RunNo: 4	2060				
Prep Date:	Analysis D	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	910		1000		91.4	54	150			
Sample ID 2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	n ID: SG	642060	F	RunNo: 4:	2060				
Prep Date:	Analysis D	Date: 4/	12/2017	S	SeqNo: 1	321737	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	990		1000		99.1	54	150			

- * 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 8 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 RB	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: SE	42060	R	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	Samp1	ype: LC	S	Tes						
Client ID: LCSS	Batch	n ID: SB	42060	F	RunNo: 4	2060				
Prep Date:	Analysis D	Date: 4/	12/2017	8	SeqNo: 1	321764	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	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	0.10	3.000	0	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

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 9 of 9



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:	ent Name: Animas Environmental Work Order Number:					Rcpt	No: 1			
Received By:	Lindsay Mangin	4/12/2017 7:00:00 AM			Speeday Hostows					
•				U	مرالالم					
Completed By:	Lindsay Mangin	4/12/2017 7:56:16 AM		0	January TTadays D					
Reviewed By:	ENM	04/12/17								
Chain of Cus	tody									
1. Custody sea	als intact on sample bottles?		Yes		No 🗔	Not Present				
2. Is Chain of C	Custody complete?	Yes	~	No 🗔	Not Present					
3. How was the	e sample delivered?	Courie	er							
<u>Log In</u>										
4. Was an atte	empt made to cool the samples	Yes	1	No .	NA					
5. Were all sar	mples received at a temperatur	Yes	✓	No 🗌	NA					
6. Sample(s) i	n proper container(s)?	Yes	V	. No 🗆						
7. Sufficient sa	ample volume for indicated test	Yes	V	No 🗆						
8. Are samples (except VOA and ONG) properly preserved?				Y	No 🗌					
9. Was preservative added to bottles?					No 🗹	NA				
10.VOA vials have zero headspace?					No 🗀	No VOA Vials	V			
11. Were any s	ample containers received brok	Yes		No 🗹	# of preserved					
						bottles checke	d			
	work match bottle labels? pancies on chain of custody)	Yes	\checkmark	No	for pH:	(<2 or >12 unless noted)				
	s correctly identified on Chain of	Yes	~	No []	Adjusted					
	nat analyses were requested?	Yes	V	No 🗌						
15. Were all holding times able to be met?				\checkmark	No 🗆	Checked	by:			
(If no, notify	customer for authorization.)				L.					
Special Hand	lling (if applicable)									
16. Was client notified of all discrepancies with this order?					No 🗆	NA	7			
	# Managar Constitution of the Constitution of	Addition to the second	MONTH NAME OF THE OWNER, THE OWNE	PEDCHINE EPOLAL	эфиченности.					
By Wh	n Notified:	Date:	eMa	if Phor	ne Fax	n Person				
Regar	THE PROPERTY OF THE PROPERTY OF THE PARTY OF	VIII.	eivia		10 TLax	III Pelson	batty			
	Instructions:		LIGHTHUR OWNER OF		A MARKET AND PARTY OF THE PARTY	A PROPERTY OF THE PARTY OF THE	Star .			
17. Additional re	*									
18. Cooler Info	ormation									
Cooler N		Seal Intact Seal No 3	Seal Da	te Sig	gned By					
1	1.5 Good Ye	98								

Ch	ain-o	f-Cust	tody Record	Turn-Around T	ime:					ш	AI		ERI	VT	D	MI	B.4 E	=RI	TAI	
Client: Animas Environmental Services, LLC		☐ Standard X Rush2-TAT					_					1								
			Project Name:						ANALYSIS LABORATORY www.hallenvironmental.com											
Mailing Ad	Mailing Address: 604 W Pinon St.			COPC SAN JUAN 28-6 UNIT 127N			4901 Hawkins NE - Albuquerque, NM 87109													
Farmington, NM 87401			Project #:			Tel. 505-345-3975 Fax 505-345-4107														
Phone #:	Phone #: 505-564-2281								JI. 00	000	10 0	Charles de la constitución de la	alysi			_	110			
Email or Fa			ın@animasenvironmental.o	Project Manag	er.															T
QA/QC Pac	kage:				C. Lamemar	n/ E. McNally		6												
X Standar	d		☐ Level 4 (Full Validation)					MRC											1	
Accreditation		C Other		Sampler: CL On ice				RO/									-			
☐ NELAP		☐ Other		Sample Temp	Ziyas. Senne 12	The state of the s	The second	Q/O												or N
					The second of th		18	8015 (GRO/DRO/MRO)												≿
Dete	Time	Matrix	Sample Beguest ID	Container	Preservative	HEAL NO.	-8021B	015												Air Bubbles
Date	Time	Matrix	Sample Request ID	Type and #	Туре															Bub
						HUTES	BTEX	TPH	3-1-											Α̈́
4/11/17	9:22	Soil	SC-5	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-001	X	Χ												
4/11/17	10:50	Soil	SC-6	1 - MeOH Kit 1 - 4 oz jar	MeOH Cool	-00Z	х	Х												
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 iar	MeOH	-004	х	Х											\top	
4/11/17	9:43	Soil	SC-13	1 - MeOH Kit 1 - 4 oz iar	Cool MeOH Cool	-005	х	Х												
																			•	
																			\perp	
Date:	Time:	Relinquishe	ed by:	Received by:	. 9 .	Date Time	Rem				ono	co P	hillips							
4111	1620	Con	_4	Mostre	lialt	111/1 1620	Supe	ervis	or: F	Randy		nith		(2d	L.	ul.	(2)	. 4	My
Date:	Time:	Relinquishe	ed by:	Received by:)	Date Time	Area	: 7											DAL	ous
1110	1836	that	Walt		04/1	2/17 0700	Orde	ered	by: l	_isa l	Hunt	er								
lf	7	amples submi	itted to Hall Environmental may be sub	contracted to other ac	credited laboratori	es. This serves as notice of	this po	ssibili	ty. An	y sub-	contra	cted d	ata wil	be ck	early n	otated	on the	analy	tical rep	oort.



