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.

Sant	110, 1111 07303	to the appropri	and Thirte day a sound of the co
Pit, Belo Proposed Alternative Metho	ow-Grade Tank, or od Permit or Closure I	Plan Applic	ation_
Modification to an existing	d alternative method ade tank, or proposed alternat		RECEIVED By kcollins at 7:20 am, Mar 09, 2016 pit, below-grade tank,
Instructions: Please submit one application (Form	C-144) per individual pit, below	-grade tank or al	ternative request
Please be advised that approval of this request does not relieve the operator of the invironment. Nor does approval relieve the operator of its responsibility to the operator of its re	of liability should operations result i comply with any other applicable go	n pollution of surf overnmental autho	ace water, ground water or the rity's rules, regulations or ordinances.
Operator: Burlington Resources Oil & Gas Company, LP	OGRID #: 14538		
Address: PO BOX 4289, Farmington, NM 87499			
Facility or well name: San Juan 27-4 Unit Com 137			
API Number:30-039-22376 OCD Permit N	Number:		
U/L or Qtr/Qtr A Section 34 Township			
Center of Proposed Design: Latitude 36.534616 N Longitu			
Surface Owner: ☑ Federal ☐ State ☐ Private ☐ Tribal Trust or In	dian Allotment		
2,			
Pit: Subsection F, G or J of 19.15.17.11 NMAC			
Temporary: Drilling Workover			
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-We			
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDP.	E HDPE PVC Other	Š.	
☐ String-Reinforced			
Liner Seams: Welded Factory Other	bbl Dir	nensions: Lx	Wx D
3.			
Below-grade tank: Subsection I of 19.15.17.11 NMAC			
Volume: 120 bbl Type of fluid: Pr	oduced Water_		
Tank Construction material: Metal			
☐ Secondary containment with leak detection ☒ Visible sidewall			
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Othe			
Liner type: Thickness 45 mil HDPE	PVC Other <u>LLDPE</u>		
4. Alternative Method:			
Submittal of an exception request is required. Exceptions must be su	bmitted to the Santa Fe Environm	nental Bureau off	ice for consideration of approval.
5.			
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent			
Chain link, six feet in height, two strands of barbed wire at top (R	equired if located within 1000 fee	t of a permanent	residence, school, hospital,
institution or church) Four foot height, four strands of barbed wire evenly spaced between	en one and four feet		

Alternate. Please specify

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)	
7. Signs: 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 accept material 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
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	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. (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.	☐ Yes ☐ No
 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	☐ Yes ☐ No

☐ Yes ☐ No
☐ Yes ☐ No
☐ Yes ☐ No
Yes No
☐ Yes ☐ No
☐ Yes ☐ No
MAC numents are NMAC 15.17.9 NMAC
cuments are

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 deattached.	ocuments are
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 H ₂ S, 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	
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 Flu	nid Management Pit
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)	
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 a 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	ttached to the
15	
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. P. 19.15.17.10 NMAC for guidance.	ce material are lease refer to
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
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 a	approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-N	Mining and Mineral Division	Yes No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of G Society; Topographic map	eology & Mineral Resources; USGS; NM Geological	Yes No
Within a 100-year floodplain FEMA map		☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate Proof of Surface Owner Notice - based upon the appropriate requirem Construction/Design Plan of Burial Trench (if applicable) based upon Construction/Design Plan of Temporary Pit (for in-place burial of a diagram Protocols and Procedures - based upon the appropriate requirements of Confirmation Sampling Plan (if applicable) - based upon the appropriate Waste Material Sampling Plan - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluid Soil Cover Design - based upon the appropriate requirements of Subset Re-vegetation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Plan - based upon the appropriate requirements of Subset Site Reclamation Pl	ate requirements of 19.15.17.10 NMAC ents of Subsection E of 19.15.17.13 NMAC a the appropriate requirements of Subsection K of 19.1 rying pad) - based upon the appropriate requirements of f 19.15.17.13 NMAC ate requirements of 19.15.17.13 NMAC ents of 19.15.17.13 NMAC s and drill cuttings or in case on-site closure standards ection H of 19.15.17.13 NMAC section H of 19.15.17.13 NMAC	5.17.11 NMAC f 19.15.17.11 NMAC
17. Operator Application Certification: I hereby certify that the information submitted with this application is true,		
Name (Print):		
Signature:	Date:	
e-mail address:	Telephone:	
OCD Approval: Permit Application (including closure plan) Clos)
Title: Environmental Specialist	OCD Permit Number:	
19. Closure Report (required within 60 days of closure completion): 19.15. Instructions: Operators are required to obtain an approved closure plan p The closure report is required to be submitted to the division within 60 day section of the form until an approved closure plan has been obtained and	prior to implementing any closure activities and sub- vs of the completion of the closure activities. Please (to not comprese into
20. Closure Method: Waste Excavation and Removal ☐ On-Site Closure Method ☐ A If different from approved plan, please explain.	Alternative Closure Method Waste Removal (Clo	sed-loop systems only)
21. Closure Report Attachment Checklist: Instructions: Each of the follow mark in the box, that the documents are attached. □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure for private land or □ Plot Plan (for on-site closures and temporary pits) □ Confirmation Sampling Analytical Results (if applicable) □ Waste Material Sampling Analytical Results (required for on-site closures and temporary pits)	aly)	ase indicate, by a check

Operator Closure Certification: I hereby certify that the information and attachments submitted belief. I also certify that the closure complies with all applicab	ed with this closure report is true, accurate and complete to the best of my knowledge and ble closure requirements and conditions specified in the approved closure plan.
Name (Print): Larissa Farrell	Title: Regulatory Technician Date: 2 - 17 - 16
e-mail address:Larissa.L.Farrell@cop.com Telephone:	: (505) 326-9504

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

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141 Revised August 8, 2011

	Release Notification and Corrective Action											
					.00	OPERA'	ГOR		☐ Initia	ıl Report	\boxtimes	Final Report
Name of Con	npany Bur	lington Re	esources,	a Wholly Own	ed (Contact Lis	sa Hunter					
Subsidiary o	f ConocoP	hillips Co	mpany									
Address 340				IM		Telephone No. (505) 258-1607						
Facility Name	e: San Jua	an 27-4 Co	m 137		h	acility Typ	e: Gas Well					
Surface Own	er Federa	ıl		Mineral O	wner l	Federal			API No	. 3003922	376	
				LOCA	TION	OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	The state of the s	Vest Line	County		
A	34	27N	04W	800	N	lorth	1120	I	East	Rio Arrib	a	
				Latitude <u>36</u>	.53469	Longitud	le - <u>107.23341</u>					
	NATURE OF RELEASE											
Type of Release Hydrocarbon Volume of Release Unknown Volume Recovered None Security of Release Pology Cycle Topk (RCT) Closure Date and Hour of Occurrence Date and Hour of Discovery											e	
Source of Rele	ease Below	Grade Tai	nk (BGT)	Closure			Hour of Occurrence	ce	10-22-12	Hour of Dis	covery	
	37.1.01					Unknown If YES, To			10-22-12			
Was Immediat	te Notice Gi	ven?	Yes [No Not Re	quired	N/A	y whom:					
By Whom?	N/A	-				Date and I	Hour N/A					
Was a Waterco		ed?				If YES, V	olume Impacting	the Wate	ercourse.			
11.44.4	0.000.00.0		Yes 🛛	No		N/A						
If a Watercour N/A												
Describe Caus Below-Grade	se of Probler Tank Clos	n and Reme ure activitie	dial Actio	n Taken.* mples taken resu	lting in (constituents	exceeded standa	ards out	lined by 19	9.15.17.13 N	NMAC.	8
score of 10. S final report is	ion levels fo Samples we s attached f	r releases a re collected or review.	re specifi and anal	ed in NMOCD's ytical results are	below a	pplicable N	MOCD action le	vels. No	o turtner w	vork will be	perior	med. The
regulations all	l operators a or the enviro perations ha ment. In ad	re required to nment. The ve failed to dition, NMO	to report a e acceptan adequatel DCD acce	e is true and comp nd/or file certain i ce of a C-141 repo y investigate and i ptance of a C-141	elease no ort by the emediate	otifications a e NMOCD n e contaminat	and perform corre narked as "Final I tion that pose a th ve the operator of	Report" of reat to g	does not rel round wate sibility for c	ieve the ope r, surface w	rator of rater, hu with any	f liability man health
- Carran, Date,							OIL CON	ISERV	/ATION	DIVISI	ON	
	. 0	111										
Signature:	fre	-44					P ' /1	C!!.				
Signature.						Approved by	y Environmental S	Specialis	St.			
Printed Name	: Lisa Hun	ter										
Title: Field F	Environmen	ıtal Speciali	st			Approval D	ate:		Expiration	Date:		
E-mail Addre						Conditions of	of Approval:			Attache	d 🔲	
Date: February 11, 2016 Phone: (505) 258-1607												

^{*} Attach Additional Sheets If Necessary



June 24, 2013

Lisa Hunter ConocoPhillips San Juan Business Unit Office 214-4 5525 Hwy 64 Farmington, New Mexico 87401 www.animasenvironmental.com

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

> Durango, Colorado 970-403-3084

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

RE:

Initial Release Assessment and Final Excavation Report San Juan 27-4 Com #137 Rio Arriba County, New Mexico

Dear Ms. Hunter:

On October 23, 2012, and May 9, 2013, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the ConocoPhillips (CoP) San Juan 27-4 Com #137, located in Rio Arriba County, New Mexico. The historical release was reported to be from the former condensate tank at the location. The initial release assessment was completed by AES on October 23, 2012. The final excavation was also completed by contractors while AES was on location on May 9, 2013.

1.0 Site Information

1.1 Location

Location - NE% NE%, Section 34, T27N, R4W, Rio Arriba County, New Mexico Well Head Latitude/Longitude - N36.53483 and W107.23351, respectively Release Location Latitude/Longitude - N36.53462 and W107.23343, respectively Land Jurisdiction - U.S. Forest Service Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and no ranking information was located. The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered

water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (http://ford.nmt.edu/react/project.html) were accessed to aid in the identification of downgradient surface water.

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet below ground surface (bgs). The wash in Ciruelas Canyon is located approximately 800 feet north of the location. Based on this information, the location was assessed a ranking score of 10 per the NMOCD *Guidelines for Leaks, Spills, and Releases* (1993).

1.3 Assessments

AES was initially contacted by Bruce Yazzie of CoP on October 22, 2012, and on October 23, 2012, Heather Woods and Zachary Trujillo of AES completed the release assessment field work. The assessment included collection and field screening of a total of 41 soil samples from 10 test holes (TH-1 through TH-10) within the vicinity of the release. Based on the field screening results, AES recommended excavation of the release area. Sample locations are shown on Figure 3.

On May 9, 2013, AES returned to the location to collect confirmation soil samples of the final excavation. The field screening activities included collection of seven confirmation soil samples (SC-1 through SC-7) of the walls and base of the excavation. The final excavation was approximately 2,016 square feet by 12 to 17 feet in depth. Note that the base of the excavation was terminated on sandstone. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 41 soil samples from TH-1 through TH-10 and seven composite soil samples (SC-1 through SC-7) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Three of the soil samples collected during the initial assessment (TH-2, TH-4, and TH-7) and two composite samples (SC-1 and SC-7) collected during the excavation clearance were submitted for laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B/8260B.

Soil samples TH-2, TH-4, and TH-7 were also laboratory analyzed for:

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

2.3 Field Screening and Laboratory Analytical Results

On October 23, 2012, initial assessment field screening readings for VOCs via OVM ranged from 3.2 ppm in TH-10 up to 4,736 ppm in TH-2. Field TPH concentrations ranged from 104 mg/kg in TH-2 up to 1,140 mg/kg in TH-4.

On May 9, 2013, final excavation field screening results for VOCs via OVM showed concentrations ranging from 4.4 ppm in SC-4 to 746 ppm in SC-7. Field TPH concentrations ranged from 70.4 mg/kg in SC-4 up to 304 mg/kg in SC-1. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Screening Reports are attached.

Table 1. Soil Field Screening VOCs and TPH Results
San Juan 27-4 Com #137 Initial Release Assessment and Final Excavation
October 2012 and May 2013

Sample ID	Date Sampled	1.7		Field TPH (mg/kg)
NMO	CD Action Leve	el*	100	1,000
		4	100	143
TH-1	10/23/12 -	9	93.3	140
		1	7.4	NA
	-	5	13.2	NA
	-	6	310	NA
	-	8.5	4,736	104
TH-2	10/23/12	10	4,599	NA
	=	11	4,689	NA
	-	13	4,474	NA
	-	14.5	4,009	NA
	5	15.5	4,617	107
		1.5	5.9	NA
		7	9.6	NA
TH-3	10/23/12 -	9	6.0	NA
		14	15.4	NA
		2	6.0	NA
	:•	4	3,925	NA
		9	4,383	1,140
TH-4	10/23/12	10.5	2,410	NA
		12	392	NA
		14	242	NA
	40/00/40	2	9.1	NA
TH-5	10/23/12	6.5	8.8	NA
_0.2	40/00/40	5,5	32.4	NA
TH-6	10/23/12	6.5	12.2	NA

Lisa Hunter San Juan 27-4 Com #137 Initial Release Assessment and Final Excavation Report June 24, 2013 Page 5 of 7

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
	CD Action Leve	el*	100	1,000
		4.5	4,022	NA
TH-7	10/23/12	9	4,105	NA
		11.5	44.6	282
		3	8.6	NA
	-	7	42.4	NA
TH-8	10/23/12	9	5.4	NA
		12	12 15.3	
	-	14.5 24.0		NA
		4	9.7	NA
	-	7.5	7.2	NA
TH-9	10/23/12	10	54.3	NA
		12	32.2	NA
		13	10.0	NA
		4	4.3	NA
TH-10	10/23/12	9	6.3	NA
		10	3.2	NA
SC-1	5/9/13	1 to 12	743	304
SC-2	5/9/13	1 to 17	91.5	135
SC-3	5/9/13	1 to 12	7.7	87.5
SC-4	5/9/13	1 to 17	4.4	70.4
SC-5	5/9/13	1 to 12	65.3	83.3
SC-6	5/9/13	1 to 17	8.2	83.8
SC-7	5/9/13	12 to 17	746	98.5

NA - Not Analyzed

Laboratory analyses for TH-2, TH-4, and TH-7 were used to confirm field screening results from the initial assessment. Benzene concentrations ranged from below laboratory detection limits in TH-2 and TH-7 to 0.19 mg/kg in TH-4, and total BTEX concentrations ranged from 63 mg/kg in TH-2 up to 127 mg/kg in TH-4. TPH

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

concentrations (as GRO/DRO) ranged from 1,070 mg/kg in TH-4 up to 2,800 mg/kg in TH-2.

During final clearance in May 2013, laboratory analyses for SC-1 and SC-7 were used to confirm field screening during excavation activities. Benzene concentrations were reported below laboratory detection limits of 0.25 mg/kg (SC-1) and 0.050 mg/kg (SC-7). Total BTEX concentrations were reported as 0.65 mg/kg (SC-1) and 0.67 mg/kg (SC-7). Results are presented in Table 2 and on Figures 3 and 4. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH San Juan 27-4 Com #137 Initial Release Assessment and Final Excavation

October 2012 and May 2013										
Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)				
NMOCD Action Level*			10	<i>50</i>	1,0	000				
TH-2	10/23/12	8.5	<0.50	63	1,200	1,600				
TH-4	10/23/12	9	0.19	127	930	140				
TH-7	10/23/12	9	<0.20	105	1,500	310				
SC-1	5/9/13	1 to 12	<0.25	0.65	NA	NA				
SC-7	5/9/13	12 to 17	<0.050	0,67	NA	NA				

NA - Not Analyzed

3.0 Conclusions and Recommendations

On October 23, 2012, AES conducted an initial assessment associated with a historical release from the former condensate tank at the San Juan 27-4 Com #137. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a ranking score of 10. Field screening showed concentrations above the NMOCD action levels of 100 ppm VOCs in TH-2, TH-4, and TH-7, with the highest VOC concentration reported in TH-2 with 4,736 ppm. Field screening also showed TPH concentrations above the NMOCD action level of 1,000 mg/kg in TH-4 with a concentration of 1,140 mg/kg. Laboratory analytical results from October 23, 2012, reported total BTEX above the applicable NMOCD action levels in TH-2, TH-4, and TH-7. TPH concentrations as GRO/DRO exceeded the NMOCD action level of 1,000 mg/kg in TH-2 (2,800 mg/kg), TH-4 (1,070 mg/kg), and TH-7 (1,810 mg/kg).

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

On May 9, 2013, final assessment of the excavation area was completed. Field screening results of the excavation extents showed that VOC concentrations were reported below applicable NMOCD action levels for all of the final four walls of the excavation, except the northeast corner which had a VOC concentration of 743 ppm (SC-1). The base of the excavation (SC-7), which was terminated on sandstone, also had a VOC concentration above the NMOCD action level (746 ppm). However, laboratory analytical results for benzene and total BTEX in SC-1 and SC-7 were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. Field screening results for each of the final four walls and base of the excavation reported TPH concentrations below the NMOCD action level of 1,000 mg/kg.

Based on excavation of petroleum contaminated soils, field screening, and laboratory analytical results for VOCs, benzene, total BTEX, and TPH, no further work is recommended at the San Juan 27-4 Com #137.

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

Sincerely,

Landrea Cupps

Environmental Scientist

Elizabiot V MiNaly

Landres R. Cupps

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map

Figure 3. Initial Assessment Soil Sample Locations and Results, October 2012

Figure 4. Final Excavation Soil Sample Locations and Results, May 2013

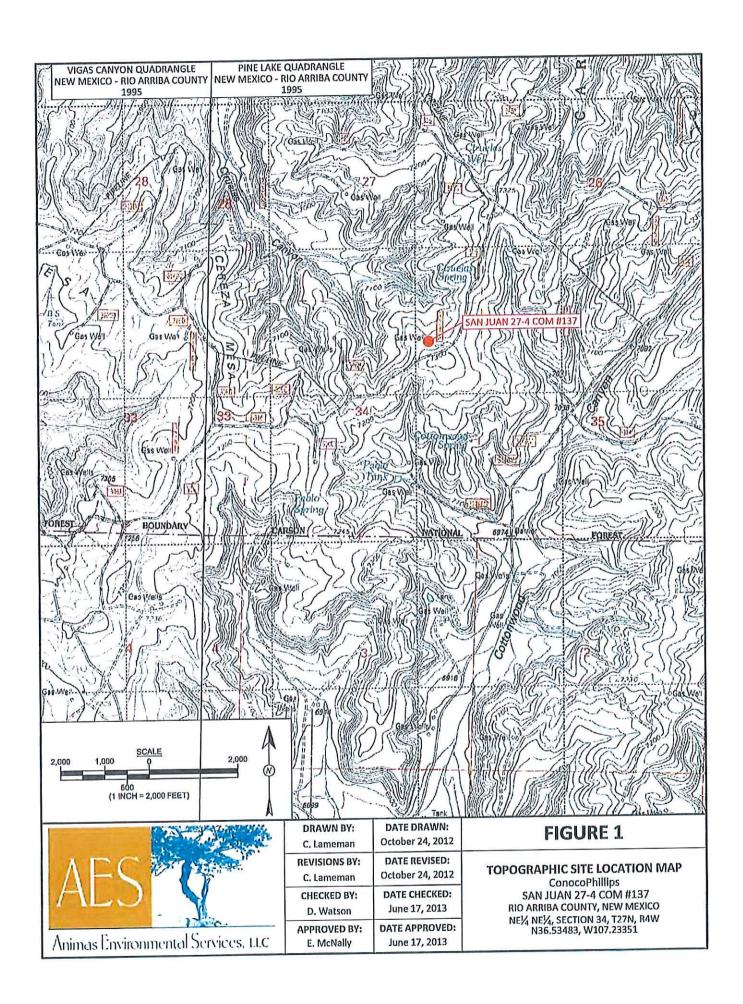
AES Field Screening Report 102312

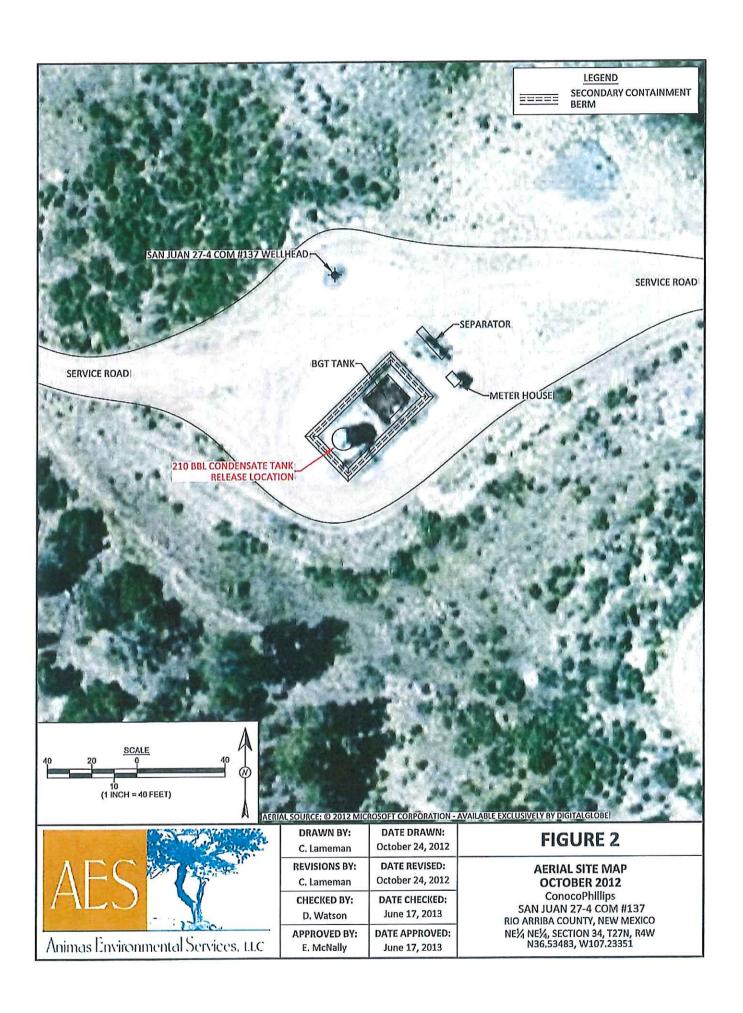
AES Field Screening Report 050913

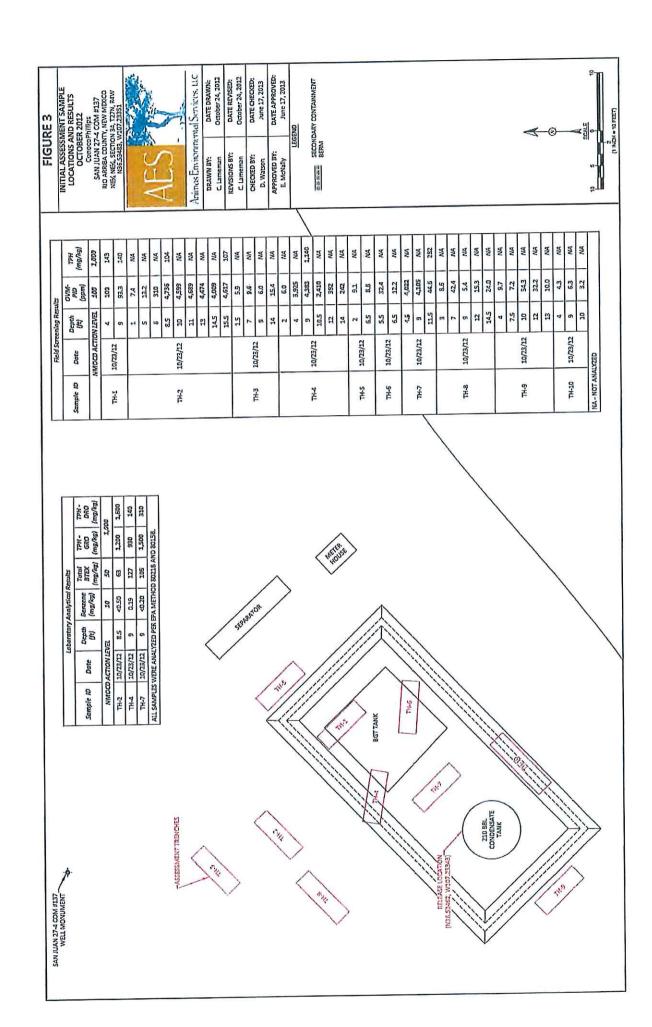
Hall Laboratory Analytical Report 1210B43

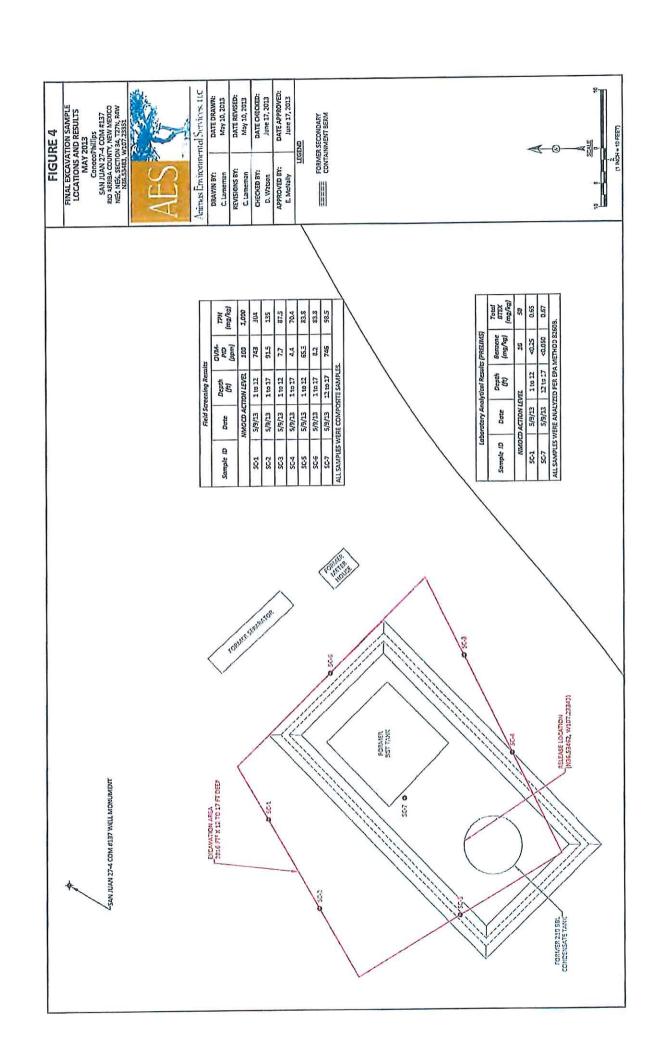
Hall Laboratory Analytical Report 1305408

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AES Field Screening Report

Client: ConocoPhillips

Project Location: San Juan 27-4 Com #137

Date: 10/23/2012

Matrix: Soil



www.animasenvironmental.com

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

> Durango, Colorado 970-403-3084

	Matrix:	Soil			1				
Sample ID	Collection Date	Collection Time	OVM (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
TH-1 @ 4'	10/23/2012	12:25	100	13:27	143	40.0	1	HMW	
TH-1 @ 9'	10/23/2012	12:30	93.3	13:24	140	40.0	1	HMW	
TH-2 @ 1'	10/23/2012	12:31	7.4		Not A	nalyzed for T	ГРН		
TH-2 @ 5'	10/23/2012	12:34	13.2		Not A	nalyzed for T	гРН		
TH-2 @ 6'	10/23/2012	12:37	310		Not A	nalyzed for T	ГРН	_	
TH-2 @ 8.5	10/23/2012	12:40	4,736	13:48	104	40.0	1.	HMW	
TH-2 @ 10'	10/23/2012	12:43	4,599	Not Analyzed for TPH					
TH-2 @ 11'	10/23/2012	12:46	4,689	Not Analyzed for TPH					
TH-2 @ 13'	10/23/2012	12:49	4,474	Not Analyzed for TPH					
TH-2 @ 14.5'	10/23/2012	12:53	4,009		Not Analyzed for TPH				
TH-2 @ 15.5	10/23/2012	12:56	4,617	13:51	107	40.0	1	HMW	
TH-3 @ 1.5'	10/23/2012	13:58	5.9		Not A	Inalyzed for	ТРН		
TH-3 @ 7'	10/23/2012	14:21	9.6		Not A	Analyzed for	ТРН		
TH-3 @ 9'	10/23/2012	14:25	6.0		Not A	Analyzed for	ТРН		
TH-3 @ 14'	10/23/2012	14:29	15.4		Not A	Analyzed for	ТРН		
TH-4 @ 2'	10/23/2012	14:33	6.0		Not A	Analyzed for	TPH		
TH-4 @ 4'	10/23/2012	14:36	3,925		Not A	Analyzed for	TPH		
TH-4 @ 9'	10/23/2012	14:46	4,383	16:33	1,140	20.0	1	HMW	
TH-4 @ 10.5'	10/23/2012	14:48	2,410	Я	Not A	Analyzed for	ТРН		
TH-4 @ 12'	10/23/2012	14:50	392		Not A	Analyzed for	TPH		
TH-4 @ 14'	10/23/2012	14:55	242			Analyzed for			
TH-5 @ 2'	10/23/2012	15:04	9.1		Not /	Analyzed for	TPH	n 27-4 Com #13	
							aur Jan Juc	11 4/ 7 00111 114	

CoP San Juan 27-4 Com #137

Page 1

Report Finalized: 10/23/12

							1	
Collection Date	Collection Time	OVIVI (ppm)	Time of Sample Analysis	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
10/23/2012	15:08	8.8		Not A	nalyzed for T	PH		
	15:10	32.4		Not A	nalyzed for T	РΗ		
	15:12	12.2		Not A	nalyzed for T	PH	_	
		4,022		Not A	nalyzed for T	PH		
		4,105	Not Analyzed for TPH					
		44.6	16:35	282	20.0	1	HMW	
		8.6	Not Analyzed for TPH					
	15:32	42.4	Not Analyzed for TPH					
	15:34	5.4	Not Analyzed for TPH					
	15:36	15.3		Not A	nalyzed for 1	TPH		
	15:40	24.0		Not A	nalyzed for 1	ГРН		
	15:47	9.7		Not A	nalyzed for T	ГРН		
	15:49	7.2		Not A	nalyzed for T	ГРН		
	15:51	54.3	Not Analyzed for TPH					
	15:54	32.2	Not Analyzed for TPH					
10/23/2012	15:56	10.0	Not Analyzed for TPH					
10/23/2012	16:06	4.3	Ĭ	Not A	nalyzed for	ГРН		
10/23/2012	16:09	6.3	Not Analyzed for TPH					
10/23/2012	16:11	3.2		Not A	nalyzed for	ГРН		
	Date 10/23/2012	Date Time 10/23/2012 15:08 10/23/2012 15:10 10/23/2012 15:12 10/23/2012 15:15 10/23/2012 15:20 10/23/2012 15:24 10/23/2012 15:32 10/23/2012 15:32 10/23/2012 15:34 10/23/2012 15:40 10/23/2012 15:47 10/23/2012 15:49 10/23/2012 15:51 10/23/2012 15:54 10/23/2012 15:56 10/23/2012 16:06 10/23/2012 16:09	Date Time (ppm) 10/23/2012 15:08 8.8 10/23/2012 15:10 32.4 10/23/2012 15:12 12.2 10/23/2012 15:15 4,022 10/23/2012 15:20 4,105 10/23/2012 15:24 44.6 10/23/2012 15:29 8.6 10/23/2012 15:32 42.4 10/23/2012 15:34 5.4 10/23/2012 15:36 15.3 10/23/2012 15:40 24.0 10/23/2012 15:47 9.7 10/23/2012 15:51 54.3 10/23/2012 15:54 32.2 10/23/2012 15:56 10.0 10/23/2012 16:06 4.3 10/23/2012 16:09 6.3	Collection Date Collection Time OVM (ppm) Sample Analysis 10/23/2012 15:08 8.8 10/23/2012 15:10 32.4 10/23/2012 15:12 12.2 10/23/2012 15:15 4,022 10/23/2012 15:20 4,105 10/23/2012 15:24 44.6 16:35 10/23/2012 15:32 42.4 10/23/2012 15:32 42.4 10/23/2012 15:34 5.4 10/23/2012 15:36 15.3 10/23/2012 15:40 24.0 10/23/2012 15:47 9.7 10/23/2012 15:49 7.2 10/23/2012 15:51 54.3 10/23/2012 15:54 32.2 10/23/2012 15:56 10.0 10/23/2012 16:06 4.3 10/23/2012 16:09 6.3	Collection Date Collection Time OVIVI (ppm) Sample Analysis Field TPH* (mg/kg) 10/23/2012 15:08 8.8 Not Analysis 10/23/2012 15:10 32.4 Not Analysis 10/23/2012 15:10 32.4 Not Analysis 10/23/2012 15:12 12.2 Not Analysis 10/23/2012 15:15 4,022 Not Analysis 10/23/2012 15:15 4,022 Not Analysis 10/23/2012 15:15 4,022 Not Analysis 10/23/2012 15:20 4,105 Not Analysis 10/23/2012 15:20 4,105 Not Analysis 10/23/2012 15:24 4,022 Not Analysis 10/23/2012 15:24 4,022 Not Analysis 10/23/2012 15:32 42.4 Not Analysis 10/23/2012 15:34 5.4 16:35 Not Analysis 10/23/2012 15:34 4.0 Not Analysis Not Analysis 10/23/2012 15:40 24.0 No	Collection Date Collection Time OVM (ppm) Sample Analysis Field TPH* (mg/kg) TPH PQL (mg/kg) 10/23/2012 15:08 8.8 Not Analyzed for T 10/23/2012 15:10 32.4 Not Analyzed for T 10/23/2012 15:12 12.2 Not Analyzed for T 10/23/2012 15:15 4,022 Not Analyzed for T 10/23/2012 15:20 4,105 Not Analyzed for T 10/23/2012 15:29 8.6 Not Analyzed for T 10/23/2012 15:32 42.4 Not Analyzed for T 10/23/2012 15:34 5.4 Not Analyzed for T 10/23/2012 15:36 15.3 Not Analyzed for T 10/23/2012 15:40 24.0 Not Analyzed for T 10/23/2012 15:49 7.2 Not Analyzed for T 10/23/2012 15:51 54.3 Not Analyzed for T 10/23/2012 15:54 32.2 Not Analyzed for T 10/23/2012 15:56 10.0 Not Analyzed for T 10/23/2012	Collection Date Collection Time OVM (ppm) Sample Analysis Field TPH* (mg/kg) TPH PQL (mg/kg) DF 10/23/2012 15:08 8.8 Not Analyzed for TPH 10/23/2012 15:10 32.4 Not Analyzed for TPH 10/23/2012 15:12 12.2 Not Analyzed for TPH 10/23/2012 15:15 4,022 Not Analyzed for TPH 10/23/2012 15:20 4,105 Not Analyzed for TPH 10/23/2012 15:24 44.6 16:35 282 20.0 1 10/23/2012 15:32 42.4 Not Analyzed for TPH 10/23/2012 15:34 5.4 Not Analyzed for TPH 10/23/2012 15:36 15.3 Not Analyzed for TPH 10/23/2012 15:40 24.0 Not Analyzed for TPH 10/23/2012 15:49 7.2 Not Analyzed for TPH 10/23/2012 15:54 32.2 Not Analyzed for TPH 10/23/2012 15:56 <td< td=""></td<>	

Total Petroleum Hydrocarbons - USEPA 418.1

PQL

Practical Quantitation Limit

ND

Not Detected at the Reporting Limit

DF

Dilution Factor

NA

Not Analyzed

Analyst:

Heather 4. West

AES Field Screening Report

Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado 970-405-5064

Client: ConocoPhillips

Project Location: San Juan 27-4 Com #137

Date: 5/9/2013

Matrix: Soil

			r				
SC-7	SC-6	SC-5	SC-4	SC-3	SC-2	SC-1	Sample ID
5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	Collection Date
14:45	12:22	12:15	12:20	12:17	12:25	12:10	Collection Time
Base	East Wall	West Wall	Southwest Wall	Southeast Wall	Northwest Wall	Northeast Wall	Location
746	8.2	65.3	4.4	7.7	91.5	743	OVM (ppm)
14:45	13:29	12:57	13:07	13:10	13:06	13:03	Time of Sample Analysis
98.5	83.3	83.8	70.4	87.5	135	304	Field TPH* (mg/kg)
20.0	20.0	20.0	20.0	20.0	20.0	20.0	TPH PQL (mg/kg)
ы	1	щ	1	Ъ	Ь	н	DF
DAW	DAW	DAW	DAW	DAW	DAW	DAW	TPH Analysts Initials

Total Petroleum Hydrocarbons - USEPA 418.1

Practical Quantitation Limit

Not Detected at the Reporting Limit

ND PQL **Dilution Factor**

Not Analyzed



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

October 31, 2012

Debbie Watson
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071

FAX

RE: COP San Juan 27-4 #137

OrderNo.: 1210B43

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/25/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. 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.

Sincerely,

Andy Freeman

Laboratory Manager

Onder

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1210B43

Date Reported: 10/31/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

COP San Juan 27-4 #137 Project:

1210B43-001 Lab ID:

Client Sample ID: TH-2 @ 8.5'

Collection Date: 10/23/2012 12:40:00 PM

Received Date: 10/25/2012 10:05:00 AM Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE C	RGANICS					Analyst: JMP
	1600	100	í	mg/Kg	10	10/25/2012 1:00:46 PM
Diesel Range Organics (DRO) Surr: DNOP	0	77.6-140		%REC	10	10/25/2012 1:00:46 PM
	· =					Analyst: NSB
EPA METHOD 8015B: GASOLINE RANG	1200	50	ì	mg/Kg	10	10/25/2012 2:34:38 PM
Gasoline Range Organics (GRO) Surr: BFB	507	84-116		%REC	10	10/25/2012 2:34:38 PM
						Analyst: NSB
EPA METHOD 8021B: VOLATILES	ND	0.50	,	mg/Kg	10	10/25/2012 2:34:38 PM
Benzene	ND	0.50		mg/Kg	10	10/25/2012 2:34:38 PM
Toluene	4.3	0.50		mg/Kg	10	10/25/2012 2:34:38 PM
Ethylbenzene	59	1.0		mg/Kg	10	10/25/2012 2:34:38 PM
Xylenes, Total Surr: 4-Bromofluorobenzene	185	80-120	S	%REC	10	10/25/2012 2:34:38 PM

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits J
- Sample pH greater than 2 p
- Reporting Detection Limit

- Analyte detected in the associated Method Blank B
- Holding times for preparation or analysis exceeded 11
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits

Analytical Report Lab Order 1210B43

Date Reported: 10/31/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: COP San Juan 27-4 #137

1210B43-002 Lab ID:

Client Sample ID: TH-4 @ 9'

Collection Date: 10/23/2012 2:46:00 PM

Received Date: 10/25/2012 10:05:00 AM Matrix: MEOH (SOIL)

Lab In. I Lieb is se-						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS					Analyst: JMP
	140	10		mg/Kg	1	10/25/2012 12:17:14 PM
Diesel Range Organics (DRO)	101	77.6-140		%REC	1	10/25/2012 12:17:14 PM
Surr: DNOP		77,0-140		701112		Analyst: NSB
EPA METHOD 8015B: GASOLINE R	ANGE					(E29E3C) (1991) 17
Gasoline Range Organics (GRO)	930	250		mg/Kg	50	10/25/2012 11:40:48 PM
Surr: BFB	192	84-116	S	%REC	50	10/25/2012 11:40:48 PM
						Analyst: NSB
EPA METHOD 8021B: VOLATILES	1 112	0.40		mall/a	2	10/25/2012 3:03:31 PM
Benzene	0.19	0.10		mg/Kg		10/25/2012 11:40:48 PM
Toluene	10	2.5	88	mg/Kg	50	
Ethylbenzene	7.0	2.5	W.	mg/Kg	50	10/25/2012 11:40:48 PM
Control of the Contr	110	5.0	r)	mg/Kg	50	10/25/2012 11:40:48 PM
Xylenes, Total Surr: 4-Bromofluorobenzene	115	80-120		%REC	50	10/25/2012 11:40:48 PM

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- Sample pH greater than 2
- Reporting Detection Limit

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

Analytical Report Lab Order 1210B43

Date Reported: 10/31/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: TH-7 @ 9'

Project:

COP San Juan 27-4 #137

Collection Date: 10/23/2012 3:20:00 PM

Lab ID:

1210B43-003

Matrix: MEOH (SOIL)

Received Date: 10/25/2012 10:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS					Analyst: JMP
Diesel Range Organics (DRO)	310	10		mg/k/g	1	10/25/2012 12:39:00 PM
Surr: DNOP	101	77,6-140		%REC	1	10/25/2012 12:39:00 PM
EPA METHOD 8015B: GASOLINE RAN	NGE					Analyst: NSB
	1500	250		mg/Kg	50	10/26/2012 12:09:32 AM
Gasoline Range Organics (GRO) Surr: BFB	251	84-116		%REC	50	10/26/2012 12:09:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
The second state of the second	ND	0.20		mg/Kg	4	10/25/2012 3:32:14 PM
Benzene	5.6	2.5		mg/Kg	50	10/26/2012 12:09:32 AM
Toluene	6.5	2.5		mg/Kg	50	10/26/2012 12:09:32 AM
Ethylbenzene Xylenes, Total	93	5.0		mg/Kg	50	10/26/2012 12:09:32 AM
Surr: 4-Bromofluorobenzene	117	80-120	0	%REC	50	10/26/2012 12:09:32 AM

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits J
- P Sample pl1 greater than 2
- Reporting Detection Limit

- Analyte detected in the associated Method Blank B
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210B43 31-Oct-12

Client:

Animas Environmental Services

Chent: Project:	COP San	Juan 27-4 #	137								
		SampTy		l K	Test	Code: EF	A Method	8015B: Diese	I Range O	rganics	
Sample ID		PASSER FAR				RunNo: 64					
Client ID:		Batch I						Units: mg/K	п		
Prep Date:	10/24/2012	Analysis Da	le: 10	/25/2012	5	seqivo: 10	30402	Onna. mg/rv			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	ND	10	And product			77.0	440			
Surr: DNOP	STORES OF STORY AND STORY	10		10.00		101	77.6	140			
Sample ID	LCS-4517	SampTy	pe: LC	S	Tes	(Code: El	PA Method	8015B: Diese	el Range C	rganics	
Client ID:		Batch	ID: 45	17	F	RunNo: 6	441				
		Analysis Da	ile: 10	1/25/2012	5	SeqNo: 1	86419	Units: mg/K	(g		
Prep Date:	, 10/24/2012	Carrie Carr	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyle		Result 42	10	50.00	0	84.3	52.6	130			
	Organics (DRO)	4.5	10	5,000		90.8	77.6	140			
Surr: DNOF	,	4.0								Newsplas	
Sample ID	1210A51-001AMS	SampTy	pe: MS	3	Tes	:tCode: E	PA Method	8015B: Dies	ei Range C	rganics	
Client ID:			ID: 45	17	1	RunNo: 6	441				
		Analysis Da	ate: 1	0/25/2012		SeqNo: 1	86977	Units: mg/l	(g		
Prep Date	: 10/24/2012				one Dat Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte		Result	PQL		SPK Ref Val	81.6	57.2	146			
-	e Organics (DRO)	40	9,8	4.902		90.3	77.6	140			
Surr: DNO	Р	4.4		4,502		1,00,000	2000		E MARTINE OVER ME TO	-0.000 to 0.000 (0.000)	
Sample ID	1210A51-001AMS	D SampTy	ype: M	SD	Te	stCode: E	PA Method	1 8015B: Dies	el Range	Organics	
Client ID:			ID: 45	517		RunNo: 6	3441				
107 M (101 (101 (101 (101 (101 (101 (101 (1	e: 10/24/2012	Analysis D	ate: 1	0/25/2012		SeqNo: 1	186978	Units: mg/l	Kg		
372	, IVIATIANTA				SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte		Result	PQL 9.9	100000000000000000000000000000000000000		85.9			6.54	24.5	
Action to the second se	e Organics (DRO)	43	9.9	4.970	_	91.1	77.6	140	0	0	
Surr: DNO)P	4,5		-1.370		- 111					

Qualifiers:

R RPD outside accepted recovery limits

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210B43

31-Oct-12

Client:

Animas Environmental Services

Project: COI	San Juan 27-4	#137								
Sample ID MB-4474	SampT	ype: MB	ILK	Test	Code: EF	PA Method	8015B: Gaso	line Rang	ө	
Client ID: PBS	Batch	ID: 447	74	R	unNo: 64	187				
Prep Date: 10/23/2012	Analysis D	ate: 10	/25/2012	S	eqNo: 18	B7625	Units: mg/K	g		
Analyle	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLImit	Qual
Gasoline Range Organics (GR		5.0								
Surr: BFB	950	800090	1000		95.0	84	116			
Sample ID LCS-4474	SampT	ype: LC	s	Tes	Code: El	PA Method	8015B: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 447	74	F	RunNo: 6	487				
Prep Date: 10/23/2012	Analysis D	ale: 10	125/2012	\$	SeqNo: 1	87626	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimil	Qual
Gasoline Range Organics (GR		5.0	25.00	0	102	74	117			
Surr; BFB	1000		1000		100	84	116			
Sample ID 1210A08-00	IAMS SampT	ype: MS	3	Tes	tCode: El	PA Method	8015B: Gaso	oline Rang	le	
Client ID: BatchQC		ID: 44	74	F	RunNo: 6	487				
Prep Date: 10/23/2012	Analysis D	ate: 10	0/25/2012	5	SeqNo: 1	87638	Units: mg/l	⟨g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLImit	Qual
Gasoline Range Organics (GR		4.9	24.34	11.22	90.8	70	130			
Surr. BFB	1100		973.7		117	84	116			S
Sample ID 1210A08-00	1AMSD SampT	ype; MS	SD	Tes	(Code: E	PA Method	8015B: Gase	oline Rang	je	
Client ID: BatchQC		1D: 44	74	F	RunNo: 6	487				
Prep Date: 10/23/2012	Analysis C	ate: 10	0/25/2012		SeqNo: 1	87639	Units: mg/l	(g		
Analyte	Result	PQL	A CONTRACTOR OF THE CONTRACTOR	SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit 22.1	Qual
Gasoline Range Organics (GR	0) 33	4.9	24.39	11.22	89.9	70	130	0.479	22.1 0	
Surc: BFB	1100		975.6		115	84	116	0	U	

Qualifiers:

Page 5 of 6

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH greater than 2

Analyte detected in the associated Method Blank B

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210B43 31-Oct-12

Client:	Animas Environmental Services
Project:	COP San Juan 27-4 #137

Sample ID MB-4474	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS Batch ID: 4474				RunNo: 6487							
Prep Dale: 10/23/2012	Analysis Date: 10/25/2012			SeqNo: 187651			Units: mg/Kg				
Analyle	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
Toluene	ND	0.050									
Elhylbenzene	ND	0.050									
Xylenes, Total	ND	0.10					-				
Surr: 4-Bromolluorobenzene	1.0		1.000		102	80	120				
		Transcale: EDA Mothed 9024B: Volatiles									

Sample ID LCS-4474	Sample ID LCS-4474 SampType: LCS					TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS				F	RunNo: 6487									
Prep Dale: 10/23/2012	Analysis D	ale: 10	/25/2012	SeqNo: 187652			Units: mg/Kg							
Analyle	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLImit	Qual				
Benzene	1.0	0.050	1.000	0	105	76.3	117							
Toluene	1.0	0.050	1.000	0	104	80	120							
Ethylbenzene	1.1	0.050	1.000	0	106	77	116							
	3.2	0.10	3.000	0	106	76.7	117							
Xylenes, Total Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120							

Sample ID 1210A21-001Al	VIS Samp1	Гуре: М.	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: BatchQC		Batch ID: 4474 Analysis Date: 10/25/2012			RunNo: 6487						
Prep Date: 10/23/2012	Analysis E				SeqNo: 187719			Units: mg/Kg			
Analyle	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.94	0.048	0.9653	0	97.3	67.2	113				
Toluene	0.96	0.048	0.9653	0	99.1	62.1	116				
Elhylbenzene	0.97	0.048	0.9653	0	101	67.9	127				
Xylenes, Total	2.9	0.097	2.896	0	101	60.6	134				
Surr: 4-Bromofluorobenzene	1.0		0.9653		106	80	120				

Sample ID 1210A21-001AM	ISD SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BatchQC	RunNo: 6487											
Prep Dale: 10/23/2012	Analysis D	ate: 10	/25/2012	SeqNo: 187720			Units: mg/k	(g				
Analyle	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
	0.99	0.048	0.9653	0	102	67.2	113	5.00	14.3			
Benzene	1.0	0.048	0.9653	0	104	62.1	116	5.16	15.9			
Toluene	1.0	0.048	0.9653	0	108	67.9	127	6.85	14.4			
Ethylbenzene		0.097	2,896	0	109	60.6	134	7,20	12,6			
Xylenes, Total Surr: 4-Bromofluorobenzene	3.1 1.0	0.087	0.9653		106	80	120	0	0			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Page 6 of 6



Hull Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

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

Sample Log-In Check List

Client	Name:	Animas Envi	ronmental	1 7 ~	Work Ore	der Nur	nber: 1	210B43	
Recei	ved by/date		\Rightarrow	10/25/12			1		
Logge	ed By:	Ashley Galle	egos)	10/25/2012 10:05:00) AM		54=	ŧ	
Comp	leled By:	Ashley Galle	gos	10/25/2012 10:10:3	7 AM		=1=	Ť	
Revie	wed By:	199	-	10/25/12					
Chair	n of Cust	tody		. ,			12		
1. V	Vere seals l	Intact?			55,000,0	l i N		Not Present V	
2. 1	s Chain of C	Custody comple	ete?		Yes	V N	o !	Not Present	
3. F	low was the	e sample delive	ared?		Cour	<u>ier</u>			
Log I	<u>In</u>								
4. 0	Coolers are	present? (see	19. for cooler sp	ecific information)	Yes	V. N	0	NA !	
5. V	Nas an atte	empt made to c	ool the samples'	?	Yes	V N	lo i l	NA I.	
6. 1	Nere all sar	mples received	l at a temperature	e of >0° C to 6.0°C	Yes	✓ N	lo †	NA :	
7. 8	Sample(s) li	n proper contai	iner(s)?			VI N			
3.5			for indicated test	(s)?		VN			
9. /	Are samples	s (except VOA	and ONG) prope	erly preserved?		VN	lo '		
		vative added to			Yes	. N	lo 🗸	NA ·	
11 \	VOA vials h	ave zero head	space?			lin		No VOA Vials V	
			ers received brok	en?				1	
13.1	Does paper	work match bo			Yes	V	lo ! !	# of preserved bottles checked for pH:	
14.	Are matrice	s correctly ider	ntified on Chain o	of Custody?		ivi N		1	(<2 or >12 unless noted)
15.1	ls it clear wi	hat analyses w	ere requested?			VIN		Adjusted	•
16.	Were all ho (If no, notify	lding times abl customer for a	e to be met? authorization.)		Yes	.V N	lo i	Checked	by:
Spec	cial Hang	lling (if app	<u>licable)</u>						
17,	Was client i	nolified of all d	iscrepancies with	this order?	Yes	IIN	lo i	NA V	
į	Person	n Notified:	Sandan Maria Cara Cara Cara Cara Cara Cara Cara	Date	e: [aud a mit	euus	end a set and and	į
	By Wh	Ç.		Via:	i eMa	ail i	Phone	Fax : In Person	ń
	Regar		www.combines.combine	and and the second	C. T. COLLET MORPHE			A Proposition of the Control of the	
4	Client	Instructions:		Aleks .	-11-11-1				
18.	Additional r	emarks:							
19.	Cooler Info		1 1		1 0	1	C!	ad Du I	
	Cooler N	lo Temp °C	Good Ye	Seal Intact Seal No	Seal D	H(C	olgn:	ed By	

1.0

	ANALYSIS LABORATORY		4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	([†] O		(1.81 (1.40 (HA (N.e.C	d 4- bd 5- bd 2- tales tales tales (4)	horthom HqT britan (Methor Bd (Methor Bd (Apples) Anions (F,C 8081 Pestlo 8260B (VO/ 8270 (Semi-			×					Who Consoffulle	Ara: 25 Superu sor: Harry Dee	ded laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
	A CONTRACTOR		490	<u>ام</u>		(Viū	(ල්පුන් රා	H9T +		BTEX + MT		×	7					Remarks	Ara: 25 Superuso	ossibility.
Turn-Around Time:	□ Standard X Rush Same day.	Project Name:	TGP Sandwan 27-4 #137	Project #:		Project Manager:	D Werson	Sampler: H WoodS	() () e	srvative HEAL No	402 July601	MeDIF002	Me0# - 063					Date Time (0) 24/p /624	ed by: Date Time	to other acce
Chain-of-Custody Record	Client Animas Finimonmental	711	Mailing Address: 6.24 E Chynavy W	M	564 228	email or Fax#:	OA/QC Package: A Standard D Level 4 (Full Validation)	n Offher	□ EDD (Type)	Date Time Matrix Sample Request ID	10-23-12 12-40 Soil TH-2@8,5'	1446 Soil 174-4@9"	1520					Date: Time: Relinquished by: 1824 Holas	Date: Time: Relinquished by:	necessary, samples submitted to Ha



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

May 14, 2013

Debbie Watson
Animas Environmental
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071

FAX

RE: CoP SJ 27-4 Com #137

OrderNo.: 1305408

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/10/2013 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. 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.

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1305408 Date Reported: 5/14/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 27-4 Com #137

Lab ID: 1305408-001

Client Sample ID: SC-1

Collection Date: 5/9/2013 12:10:00 PM

Matrix: MEOH (SOIL) Received Date: 5/10/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst: RAA
	ND	0.25	mg/Kg	5	5/10/2013 11:46:37 AM
Benzene	ND	0.25	mg/Kg	5	5/10/2013 11:46:37 AM
Toluene	ND	0.25	mg/Kg	5	5/10/2013 11:46:37 AM
Ethylbenzene	0.65	0.50	mg/Kg	5	5/10/2013 11:46:37 AM
Xylenes, Total Surr: 1,2-Dichloroethane-d4	84.2	70-130	%REC	5	5/10/2013 11:46:37 AM
Surr: 4-Bromofluorobenzene	98.3	70-130	%REC	5	5/10/2013 11:46:37 AM
Surr: Dibromofluoromethane	91.2	70-130	%REC	5	5/10/2013 11:46:37 AM
Surr: Toluene-d8	88.0	70-130	%REC	5	5/10/2013 11:46:37 AM

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

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

- B Analyte detected in the associated Method Blank
- 11 Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Page 1 of 4
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Analytical Report Lab Order 1305408

Date Reported: 5/14/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 27-4 Com #137

Lab ID: 1305408-002

Client Sample ID: SC-7

Collection Date: 5/9/2013 2:45:00 PM

Matrix: MEOH (SOIL) Received Date: 5/10/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst: RAA
Benzene	ND	0.050	mg/Kg	1	5/10/2013 12:14:57 PM
Toluene	ND	0.050	mg/Kg	1	5/10/2013 12:14:57 PM
Ethylbenzene	ND	0.050	mg/Kg	1	5/10/2013 12:14:57 PM
Xylenes, Tolal	0.67	0.10	mg/Kg	1	5/10/2013 12:14:57 PM
Surr: 1,2-Dichloroethane-d4	94.8	70-130	%REC	1	5/10/2013 12:14:57 PM
Surr: 4-Bromofluorobenzene	115	70-130	%REC	1	5/10/2013 12:14:57 PM
Surr: Dibromofluoromethane	93.9	70-130	%REC	1	5/10/2013 12:14:57 PM
Surr: Toluene-d8	92.3	70-130	%REC	1	5/10/2013 12:14:57 PM

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

Qualifiers:

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

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

Page 2 of 4

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

WO#: 1305408

14-May-13

Client:	
Projects	

Animas Environmental

Project: CoP SJ 2	27-4 Com #	<i>‡</i> 137														
Sample ID mb-7366	SampT	Гуре: МЕ	BLK	TestCode: EPA Method 8260B: Volatiles Short List												
Client ID: PBS	Batcl	h ID: R1	0546	F	RunNo: 10546											
Prep Date: 5/9/2013	Analysis D	Date: 5/	10/2013		SeqNo: 2	98232	Units: mg//	(g								
Analyle	The second secon			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
3enzene	ND	0.050														
Toluene	ND	0.050														
Ethylbenzene	ND	0.050														
Kylenes, Total	ND	0.10					er up established									
Surr: 1,2-Dichloroethane-d4	0.42		0.5000		84.2	70	130									
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.2	70	130									
Surr: Dibromofluoromethane	0.46		0.5000		91.3	70	130									
Surr: Toluene-d8	0.49		0.5000		97.5	70	130									
Sample ID Ics-7366	Sampi	ype: LC	S	TestCode: EPA Method 8260B: Volatiles Short List												
Client ID: LCSS	Batcl	h ID: R1	0546	F	RunNo: 1	0546										
Prep Date: 5/9/2013	Analysis E)ale: <i>5/</i>	10/2013	5	SeqNo: 2	98233	Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
3enzene	0.94	0.050	1.000	0	93.5	70	130									
Toluene	1.0	0.050	1.000	0	104	80	120									
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		86.2	70	130									
Surr: 4-Bromofluorobenzene	0.44		0.5000		87.8	70	130									
Surr: Dibromofluoromethane	0,45		0.5000		90.5	70	130									
Surr: Toluene-d8	0.48		0.5000		95.5	70	130									
Sample ID 1305408-001AMS	Sampl	ype: MS	3	TestCode: EPA Method 8260B: Volatiles Short List												
Client ID: SC-1	Batcl	n ID: R1	0546	F	RunNo: 1	0546										
Prep Date:	Analysis D	Date: 5/	10/2013	8	SeqNo: 2	98234	Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene	0.91	0.050	1.000	0.01652	89.0	67.5	124									
Toluene	0.92	0.050	1.000	0	92.1	55.8	142									
Surr: 1,2-Dichloroelhane-d4	0.43		0.5000		86.9	70	130									
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.0	70	130									
Surr: Dibromofluoromethane	0.46		0,5000		91.8	70	130									
Surr: Toluene-d8	0.42		0.5000		84.5	70	130									
Sample ID 1305408-001AMS	D Samp1	уре: М5	SD	Tes	(Code: El	PA Method	8260B; Vola	tiles Short	List							
Client ID: SC-1		n ID: R1	0546	F	RunNo: 1	0546										
Prep Dale:	Analysis D)até: <i>5/</i>	10/2013	8	SeqNo: 2	98235	Units: mg/k	⟨g								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene	0.90	0.050	1.000	0.01652	88.3	67.5	124	0.698	20							
Toluene .	0.88				87.8	55.8	142	4.85	20							
Surr: 1.2-Dichloroethane-d4	0.44		0.5000		87.2	70	130	0	0							

Qualifiers:

- Value exceeds Maximum Contaminant Level. 4
- Value above quantitation range
- J Analyte detected below quantitation limits
- þ Sample pH greater than 2
- Reporting Detection Limit RL

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

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#: 1305408

14-May-13

Client:

Animas Environmental

Project:

CoP SJ 27-4 Com #137

Sample ID 1305408-001AF	MSD Samp	ype: M	SD	Tes	(Code: E	PA Method	8260B: Vola	tiles Short	List						
Client ID: SC-1		n ID: R1		RunNo: 10546											
Prep Date:	Analysis [ale: 5	/10/2013	8	SeqNo: 2	98235	Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Surr; 4-Bromofluorobenzene	0.49		0.5000		98.0	70	130	0	0						
Surr: Dibromofluoromethane	0.46		0.5000		91.4	70	130	0	0						
Surr: Toluene-d8	0.42		0.5000		84.3	70	130	0	0						

Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Howkins NE Albuquerque, NM 87103

TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number	r: 1305408		ReptNo:	1
Received by/date: Q5 LO 3				
Logged By: Michelle Garcia 5/10/2013 10:00:00 A	M	Miries Gar	un	
Completed By: Michelle, Garcia 5/10/2013 10:05:18 A		Mirieto Gan Mirieto Gan	un)	
N I		, 9m		
Reviewed By:) ·			
Chain of Custody	Yes 🗆	No 🗆	Not Present ☑	
1, Custody seals intact on sample bottles?	Yes 🔽	No 🗆	Not Present	
2. Is Chain of Custody complete?	1 1 1 1 1	110		
3. I-low was the sample delivered?	Courler			
Log In			-0	
4. Was an altempt made to cool the samples?	Yes 🗹	No 🗆	na 🗆	
		-		
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 🗆		
or Campaco in proper communicati				
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 utula turun mara headanasa?	Yes 🗌	No 🗆	No VOA Vials 🗹	
10.VOA vials have zero headspace? 11. Were any sample containers received broken?	Yes 🗆	No 🗹		
11, were any sample containers received browning			# of preserved bottles checked	
12.Does paperwork match bottle (abels?	Yes 🗸	No 🗆	for pH:	>12 unless noted)
(Note discrepancies on chain of custody)		No 🗆	Adjusted?	>12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	_	
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆	Checked by:	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	163	, , , , , , , , , , , , , , , , , , , ,	-	
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆	NA 🗹	7
Person Notified: Date:				(B)
By Whom: Via:	eMail	Phone 🔲 Fax	In Person	
Regarding:	- on the pale		La Carte Car	
Client Instructions:			una, milimina — milimi	
17. Additional remarks:				
18, Cpoler Information				
Gooler No. Temp C Condition Seal Intact Seal No.	Seal Date	Signed By		
1 1.0 Good Yes				

	HALL ENVIRONMENIAL ANALYSTS LABORATORY		4901 Hawkins NE - Albuquerque, NM 87109	500	Analysis	(*c	(S)	MIS Oq.	(1.8) (1.4) (1.40) (1.40) (1.40) (1.40) (1.40) (1.40)	or or sels	FPH (Method EDB (Method SCRA 8 Methons (F,Cl Anions (F,Cl Scob (VOA S270 (Semi-	F F F F F F F F F F F F F F F F F F F								to Convoca	HE SME	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
			4901	Tel.		(Vlr	10 SE	39)	НЧТ -	· 38	3TEX + WEB 3TEX + MTE 1PH 8015B	3			_	(0)				Remarks: Bull	17-5-26 Sec. 20-20	ssibility. Any
Turn-Around Time:	□ Standard \ Rush Same day	1.1	CoP SJ 27-4" # 137	Project #:	*	Project Manager.	11/2.te.		Sampler: Stephenie Lynn Onlie Wies El No	mperature F	# Type HEXENO	Mean DOI	Med 402 Medy Wall						4	Date Time 5/10/13 615	Date Time	contracted to other according laboratories. This serves as notice of this po
Chain-of-Custody Record	Client, Animas Environmental Services LCC		Mailing Address: 1024 E. Comanche	thon, NM 87401		email or Fax#:	QA/QC Package:	以Standard 口 Level 4 (Full Validation)	Accreditation	□ EDD (Type)	Matrix Sample Request ID	12.10 Soil SC -[1445 soil SC-7			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			F	1 lo 1 5	Date: Time: Relinquished by: $\frac{1}{2 b _{13}} b _{45} b _{145} b _{145}$	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.

