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

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 in accordance with 19.15.29 NMAC.

# **Release Notification and Corrective Action**

						<b>OPERA</b>	ΓOR		Initia	l Report	$\boxtimes$	Final	Report
Name of Co	mpany El	m Ridge Ex	ploration	1 CO LLC		Contact Ar	ny Archuleta						
Address PC	) BOX 15	6 Bloomfiel	d NM 87	413	,	Telephone N	No. 505-632-34	76 x 20	1				
Facility Nan	ne CBU #	<b>#8</b>				Facility Typ	e Flowline lea	k. This	is the clo	sest well to	the l	eak.	
Surface Own	ner: NAV	AJO NATIO	ON	Mineral O	wner l	r NAVAJO NATION			API No	API No. 30-045-05547			
				LOCA	TIOI	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the		Vest Line	County			
K	5	25N	12W	1980	NORT	ГН	1980	WEST	Γ	SAN JUAN			
			L	atitude36.428	32	_ Longitud	e108.13659						
				NAT	URE	OF REL							
Type of Relea	ase: Flow I	Line Leak					Release: Approx and 10 bbls of w		Volume R	lecovered vas recovered	1.		
Source of Rel	lease A lea	king line.				Date and H	lour of Occurrence			Hour of Disco	overy		
Was Immedia	ate Notice (	Given?				If YES, To			11:30 AN	1 12-30-14			
was milicula	ate Notice (		Yes [	No Not Re	quired		Powell and Cory	Smith					
By Whom? T	im Dugga	n				Date and F	Iour 12:00 PM o	n 12-30-	-14			\	
Was a Water	course Read	ched?	Yes 🗵	No		If YES, Vo	olume Impacting	the Wate	ercourse.	ECEIN	/EI	)	
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	k		,			1				
N/A										FEB 1 3 2			
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*				_	1	NMOC	D		
There was a	hole in the	e pipeline and	it leaked	to the surface. Al	ll the co	ontaminated	soil was remove	d and te	ested by A	ISTRIC imas Enviro	nmei	stal.	
There was applied on plass Animas Envi	pproximat tic and rej ironmenta	paired the line line line line line line line lin	f 150' app e. Tests w Cory Smit	ken.* roximately 3' dov ere done by Anin th approved using ry contaminated	nas Env g the di	vironmental. irt that was o	On 1-2-15 we in n location to bac	stalled t	the new pip ne contami	pe. On 1-5-15 nated soil to	Emi Envi	lee wit	h 's
regulations al public health should their cor or the environ	or the envi operations l nment. In a	are required to are required to a remark to a required to a reason to a required to a reason to a required to a reason to a reason to a required to a reason to a required to a reason to a reason to a required to	o report and acceptant adequately OCD acceptant	e is true and compled is true and compled or file certain rece of a C-141 reportance of a C-141 reportance of a C-141 received.	elease not by the emediate	notifications a le NMOCD m te contaminati	nd perform correct arked as "Final R on that pose a thr	ctive acti deport" de reat to gr	ons for rele oes not rele ound water	eases which n eve the opera , surface water	nay en tor of er, hu	ndanger Tliabilit man he	r ty
Signature:				_			OIL CON		La	DIVISION	N	/	7
Printed Name	e: Amy Aı	chuleta				Approved by	Environmental S	pecialist		Cil	/	N	
Title: Sr. Re	egulatory S	Supervisor				Approval Da	te: 4/13/1	5 1	Expiration	Date:			
E-mail Addre	ess: aarch	uleta@elmrid	lge.net			Conditions o	f Approval:			Attached Animas Er		ımental	ı
Date: 1-28-1				32-3476 x201		11							
Attach Addi	tional She	ets If Necess	sary		-	#DCS	1503	-192	61			10.	7

# **Amy Archuleta**

From:

Emilee Skyles [eskyles@animasenvironmental.com]

Sent:

Wednesday, January 21, 2015 1:29 PM

To:

Amy Archuleta

Subject:

CBU Main Flowline Release Assessment Results

Hi Amy,

Below are the field and laboratory results from the sampling event at the Elm Ridge CBU Main Flowline Release. Samples SC-1, S-1, S-2 and S-3 were submitted for laboratory analysis of BTEX and TPH (non-rush).

Sample ID	Sample Location	OVM (ppm)	Field TPH (mg/kg)
NMO	CD Action Level	100	100
SC-1	<b>Excavation Composite</b>	10.1	NA
SC-2	North Wall	5.5	24.4
SC-3	South Wall	94.3	39.6
SC-4	East Wall	175	94.9
SC-5	West Wall	5.7	13.4
SC-6	Base	33.1	31.4
S-1	Top of Release Pathway (nearest excavation)	173	47.9
S-2	Midpoint of Release Pathway	304	38.3
S-3	Toe of Release Pathway (furthest from excavation)	6.5	12.0
SP-1*	Stockpile on eastern side of excavation	113	207
SP-2*	Stockpile on western side of excavation	1,413	374

<sup>\*</sup>Removed from the location and disposed of at the landfarm.

Sample ID	Sample Location	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)
NMO	CD Action Level	10	50	10	00
SC-1	<b>Excavation Composite</b>	< 0.047	< 0.234	<4.7	81
S-1	Top of Release Pathway (nearest excavation)	<0.048	<0.45	4.9	19
S-2	Midpoint of Release	< 0.048	< 0.241	<4.8	<9.9

# Pathway Toe of Release Pathway (furthest from

S-3 (furthest from excavation)

< 0.048

< 0.24

<4.8

<10

If there is anything else you need, please don't hesitate to ask.

Emilee Skyles

Geologist and Project Manager

Email: eskyles@animasenvironmental.com

Cell: (505) 419-1660

Animas Environmental Services, LLC

604 W. Piñon St.

Farmington, NM 87401

Office: (505) 564-2281

Fax: (505) 324-2022

1911 N. Main St., Suite 280

Durango, CO 81301

Office: (970) 403-3084

Woman-owned small business.

www.animasenvironmental.com

# Animas Environmental Services, LLC



February 9, 2015

Amy Archuleta Elm Ridge Resources 20 Road 5060 Bloomfield, New Mexico 87413

Via electronic mail to: aarchuleta@elmridge.net

RE: Final Excavation Report
CBU Main Flowline Release
San Juan County, New Mexico

Dear Ms. Archuleta:

On January 2, 2015, Animas Environmental Services, LLC (AES) completed a release assessment and environmental clearance of the final excavation limits at the Elm Ridge Resources (Elm Ridge) CBU Main Flowline release, located in San Juan County, New Mexico. The release was discovered on December 30, 2014, by an Elm Ridge employee during routine inspections. The final excavation was completed by Elm Ridge contractors prior to AES' arrival at the location on January 2, 2015.

#### 1.0 Site Information

#### 1.1 Location

Site Name – CBU Main Flowline
Location – NE¼ SW¾, Section 5, T25N, R12W, San Juan County, New Mexico
Release Location Latitude/Longitude – N36.42893 and W108.13538, respectively
Land Jurisdiction – Navajo Nation Allotment
Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, Sample Locations and Results, January 2015

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

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

### 1.2 NMOCD Ranking

The CBU Main Flowline release is located within Navajo Nation Allotment lands. Navajo Nation Environmental Protection Agency (NNEPA) currently adheres to action levels for releases and spills as established by the New Mexico Oil Conservation Division (NMOCD).

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 20 based on the following factors:

- Depth to Groundwater: Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be 50 to 100 feet below ground surface (bgs). (10 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Approximately 800 feet to the northeast is an unnamed drainage that ultimately flows into Gallegos Canyon wash. (10 points)

#### 1.3 Assessment

AES was initially contacted by Tim Dugan of Elm Ridge on December 31, 2014, and on January 2, 2015, Emilee Skyles of AES completed release assessment and excavation field work. Field sampling activities included collection of five confirmation composite soil samples from the walls and base of the excavation, one composite sample of the excavation, two composite samples from stockpiled soils, and three discrete soil samples from the release pathway. The area of the final excavation measured approximately 14 feet by 8 feet by 4 to 5 feet in depth. The excavation was backfilled with clean, imported material, and the stockpiled impacted soil was transported for proper disposal. Sample locations and final excavation extents are presented on Figure 2.

#### 2.0 Soil Sampling

A total of 6 composite samples (SC-1 through SC-6), three discrete samples (S-1 through S-3) and two composite stockpile samples (SP-1 and SP-2) were collected during the assessment. All soil samples were field screened for volatile organic compounds (VOCs) and analyzed for total petroleum hydrocarbons (TPH). One composite sample (SC-1) and three discrete samples (S-1 through S-3) collected during the excavation clearance were also 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

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

## 2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Soil samples SC-1 and S-1 through S-3 were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B;
   and
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

# 2.3 Field and Laboratory Analytical Results

On January 2, 2015, final excavation field screening results for VOCs via OVM ranged from 5.5 ppm in SC-2 up to 175 ppm in SC-4. Field TPH concentrations ranged from less than 20.0 mg/kg in SC-5 up to 94.9 mg/kg in SC-4.

Along the release pathway, field screening results for VOCs via OVM ranged from 6.5 ppm in S-3 up to 304 ppm in S-2. Field TPH concentrations ranged from less than 20.0 mg/kg in S-3 up to 47.9 mg/kg in S-1.

Composite samples from the two stockpiles yielded field screening results for VOCs via OVM that ranged from 113 ppm up to 1,413 ppm. Field TPH concentrations ranged from 207 mg/kg up to 374 mg/kg. Results are included below in Table 1 and on Figure 2. The AES Field Sampling Report is attached.

Table 1. Field Sampling VOCs and TPH Results
CBU Main Flowline Final Excavation and Assessment, January 2015

	Date	Sample Depth	VOCs via OVM	TPH 418.1
Sample ID	Sampled	(ft bgs)	(ppm)	(mg/kg)
NMOCD	Action Level*		100	100
SC-1	1/2/15	1 to 5	10.1	NA
SC-2	1/2/15	1 to 5	5.5	24.2
SC-3	1/2/15	1 to 5	94.3	39.6
SC-4	1/2/15	1 to 5	175	94.9
SC-5	1/2/15	1 to 5	5.7	<20.0
SC-6	1/2/15	4 to 5	33.1	31.4
S-1	1/2/15	surface	173	47.9
S-2	1/2/15	surface	304	38.3
S-3	1/2/15	surface	6.5	<20.0
SP-1	1/2/15	surface	113	207
SP-2	1/2/15	surface	1,413	374

NA - not analyzed

Laboratory analyses for SC-1 and S-1 through S-3 were used to confirm field sampling results from the release pathway and final excavation. Benzene and total BTEX concentrations in SC-1 were reported below laboratory detection limits of 0.048 mg/kg and 0.240 mg/kg, respectively. TPH concentrations as GRO/DRO in SC-1 were reported below the laboratory detection limit of 14.8 mg/kg. Along the release pathway, benzene concentrations were reported below detection limits in all samples (S-1 through S-3). Total BTEX concentrations ranged from below detection limits (S-1 and S-3) up to 0.45 mg/kg. TPH concentrations as GRO/DRO ranged from below detection limits (S-3) up to 81 mg/kg (S-1). Results are presented in Table 2 and on Figure 2. The laboratory analytical report is attached.

<sup>\*</sup>Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH CBU Main Flowline Final Excavation and Assessment, January 2015

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)
NMO	CD Action Le	vel*	10	50	10	00
SC-1	1/2/15	1 to 5	<0.048	<0.240	<4.8	<10
S-1	1/2/15	surface	<0.047	<0.234	<4.7	81
S-2	1/2/15	surface	<0.048	0.45	4.9	19
S-3	1/2/15	surface	<0.048	<0.241	<4.8	<9.9

<sup>\*</sup>Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

#### 3.0 Conclusions and Recommendations

On January 2, 2015, AES conducted an assessment of petroleum contaminated soils associated with a pipeline release at the CBU Main Flowline, located within Navajo Nation Allotment lands. NNEPA adheres to action levels for releases and spills as established by the NMOCD.

Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 20.

Field sampling results of the excavation extents showed that VOC concentrations were below applicable NMOCD action levels for the final walls and base of the excavation, except for SC-4 (east wall), which had a VOC concentration of 175 ppm. Field TPH concentrations were below the applicable NMOCD action level of 100 mg/kg for the final walls and base of the excavation. Laboratory analytical results reported benzene, total BTEX and TPH (as GRO/DRO) concentrations below NMOCD action levels in the excavation composite sample (SC-1).

Field sampling results of the release pathway showed that VOC concentrations were below applicable NMOCD action levels, except for S-1 and S-2, which had VOC concentrations of 173 ppm and 304 ppm, respectively. However, field TPH concentrations were below the applicable NMOCD action level of 100 mg/kg. Laboratory analytical results reported benzene, total BTEX, and TPH (as GRO/DRO) concentrations below NMOCD action levels in all samples.

Amy Archuleta CBU Main Flowline Final Excavation Report February 9, 2015 Page 6 of 6

Field sampling results from stockpiled soils showed that VOC concentrations were above applicable NMOCD action levels. Stockpiled soils were subsequently removed from the location and transported to an appropriate disposal facility.

Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the CBU Main Flowline, VOC, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation, as well as along the release pathway. No further work is recommended.

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

Sincerely,

Emilee Skyles Staff Geologist

Sinh ShL

Elizabeth McNally, PE

Elizabeth V MiNdly

#### Attachments:

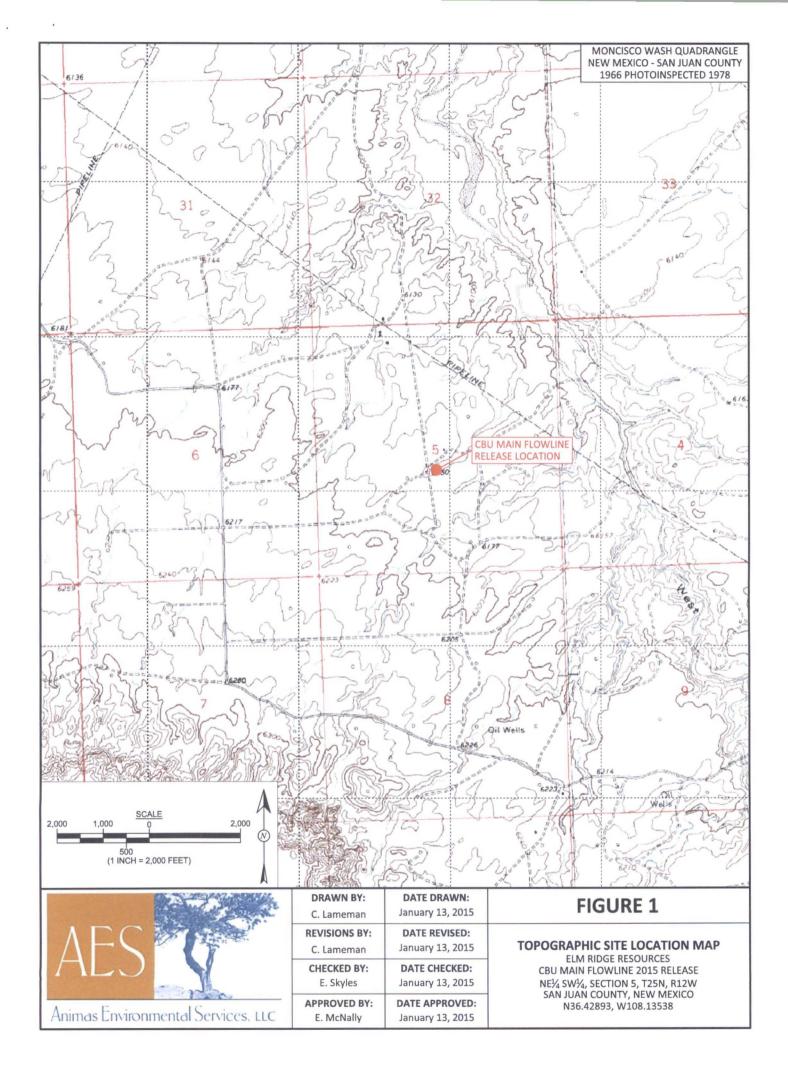
Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, Sample Locations and Results, January 2015

AES Field Sampling Report 010215

Hall Laboratory Analytical Report 1501056

C:\Users\emcnally\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2015 Projects\Elm Ridge Resources\CBU Main Flowline Release\Final Excavation Report 020915.docx

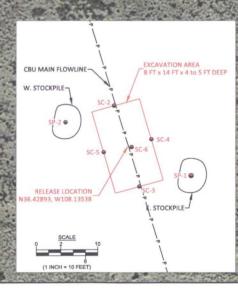




BU MAIN FLOWLINE

Sample ID	ID Date Depth P			
	NMOCD	ACTION LEVEL	100	100
SC-1	1/2/15	1 to 5	10.1	NA
SC-2	1/2/15	1 to 5	5.5	24.4
SC-3	1/2/15	1 to 5	94.3	39.6
SC-4	1/2/15	1 to 5	175	94.9
SC-5	1/2/15	1 to 4	5.7	<20.0
SC-6	1/2/15	4 to 5	33.1	31.4
S-1	1/2/15	Surface	173	47.9
S-2	1/2/15	Surface	304	38.3
S-3	1/2/15	Surface	6.5	<20.0
SP-1	1/2/15	E. Stockpile	113	207
SP-2	1/2/15	W. Stockpile	1,413	374

	Laborato	ry Analytica	al Results		
Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
<b>ACTION LE</b>	VEL	10	50	10	00
1/2/15	Surface	< 0.047	<0.234	<4.7	81
1/2/15	Surface	<0.048	0.45	4.9	19
1/2/15	Surface	<0.048	<0.241	<4.8	<9.9
1/2/15	1 to 5	<0.048	<0.240	<4.8	<10
	ACTION LL 1/2/15 1/2/15 1/2/15	Date         Depth (ft)           ACTION LEVEL         1/2/15           1/2/15         Surface           1/2/15         Surface           1/2/15         Surface	Date         Depth (ft)         Benzene (mg/kg)           ACTION LEVEL         10         1/2/15         Surface         <0.047	Date         Depth (ft)         Benzene (mg/kg)         BTEX (mg/kg)           ACTION LEVEL         10         50           1/2/15         Surface         <0.047	Date   Depth (ft)   Benzene (ft)   TOHI BTEX (mg/kg)   TOHI BTEX



#### FIGURE 2

AERIAL SITE MAP

SAMPLE LOCATIONS AND RESULTS

JANUARY 2015

ELM RIDGE RESOURCES

CBU MAIN FLOWLINE 2015 RELEASE

NE½ SW½, SECTION 5, T25N, R12W

SAN JUAN COUNTY, NEW MEXICO

N36.42893, W108.13538



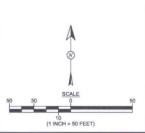
#### Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	January 13, 2014
REVISIONS BY:	DATE REVISED:
C. Lameman	January 30, 2014
CHECKED BY:	DATE CHECKED:
E. Skyles	January 30, 2014
APPROVED BY:	DATE APPROVED:
E. McNally	January 30, 2014

#### LEGEND

SAMPLE LOCATIONS

— P — BURIED PIPELINE (APPROXIMATE)



# **AES Field Sampling Report**



Client: Elm Ridge Resources

Project Location: CBU Main Flowline

Date: 1/2/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	1/2/2015	11:30	Excavation Composite	10.1		Not .	Analyzed for T	PH	
SC-2	1/2/2015	10:59	North Wall	5.5	24.4	12:28	20.0	1	EMS
SC-3	1/2/2015	11:00	South Wall	94.3	39.6	12:30	20.0	1	EMS
SC-4	1/2/2015	11:05	East Wall	175	94.9	12:34	20.0	1	EMS
SC-5	1/2/2015	11:08	West Wall	5.7	13.4	12:37	20.0	1	EMS
SC-6	1/2/2015	11:10	Base	33.1	31.4	12:39	20.0	1	EMS
S-1	1/2/2015	11:16	W of Release Pathway	173	47.9	12:41	20.0	1	EMS
S-2	1/2/2015	11:20	Middle of Release Pathway	304	38.3	12:43	20.0	1	EMS
S-3	1/2/2015	11:25	E of Release Pathway	6.5	12.0	12:45	20.0	1	EMS
SP-1	1/2/2015	11:38	East Stockpile	113	207	13:25	20.0	1	EMS
SP-2	1/2/2015	11:40	West Stockpile	1,413	374	13:29	20.0	1	EMS

DF

Dilution Factor

Total Petroleum Hydrocarbons - USEPA 418.1

NA

Not Analyzed

PQL

Practical Quantitation Limit

Sinh ShL Analyst:

\*TPH concentrations recorded may be below PQL.



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

January 09, 2015

Emilee Skyles Animas Environmental Services 604 Pinon Street Farmington, NM 87401

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

RE: Elm Ridge CBU Main Flowline

OrderNo.: 1501056

#### Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 4 sample(s) on 1/6/2015 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 1501056

Date Reported: 1/9/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services

**Project:** Elm Ridge CBU Main Flowline

Lab ID: 1501056-001

Client Sample ID: S-1

**Collection Date:** 1/2/2015 11:16:00 AM

Received Date: 1/6/2015 7:10:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE				Analys	BCN	
Diesel Range Organics (DRO)	81	10	mg/Kg	1	1/7/2015 2:50:14 PM	17083
Surr: DNOP	94.3	63.5-128	%REC	1	1/7/2015 2:50:14 PM	17083
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	1/7/2015 1:02:20 PM	17086
Surr: BFB	97.8	80-120	%REC	1	1/7/2015 1:02:20 PM	17086
EPA METHOD 8021B: VOLATILES					Analys	NSB
Benzene	ND	0.047	mg/Kg	1	1/7/2015 1:02:20 PM	17086
Toluene	ND	0.047	mg/Kg	1	1/7/2015 1:02:20 PM	17086
Ethylbenzene	ND	0.047	mg/Kg	1	1/7/2015 1:02:20 PM	17086
Xylenes, Total	ND	0.093	mg/Kg	1	1/7/2015 1:02:20 PM	17086
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	1/7/2015 1:02:20 PM	17086

Matrix: SOIL

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

#### Qualifiers:

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

Page 1 of 8

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

#### Lab Order 1501056

Date Reported: 1/9/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services

Elm Ridge CBU Main Flowline

Lab ID: 1501056-002

Client Sample ID: S-2

Collection Date: 1/2/2015 11:20:00 AM

Received Date: 1/6/2015 7:10:00 AM

Analyses	Result	RL (	Qual Units	DF Date Analy	zed Batch
EPA METHOD 8015D: DIESEL RANGE				Analyst: BCN	
Diesel Range Organics (DRO)	19	10	mg/Kg	1 1/7/2015 4:1	9:33 PM 17083
Surr: DNOP	95.4	63.5-128	%REC	1 1/7/2015 4:1	9:33 PM 17083
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	4.9	4.8	mg/Kg	1 1/7/2015 2:2	3:40 PM 17086
Surr: BFB	116	80-120	%REC	1 1/7/2015 2:2	3:40 PM 17086
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1 1/7/2015 2:2	3:40 PM 17086
Toluene	0.13	0.048	mg/Kg	1 1/7/2015 2:2	3:40 PM 17086
Ethylbenzene	0.058	0.048	mg/Kg	1 1/7/2015 2:2	3:40 PM 17086
Xylenes, Total	0.26	0.096	mg/Kg	1 1/7/2015 2:2	3:40 PM 17086
Surr: 4-Bromofluorobenzene	125	80-120	S %REC	1 1/7/2015 2:2	3:40 PM 17086

Matrix: SOIL

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

#### Qualifiers:

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

Page 2 of 8

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

#### Lab Order 1501056

Date Reported: 1/9/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services

Project: Elm Ridge CBU Main Flowline

**Lab ID:** 1501056-003

Client Sample ID: S-3

Collection Date: 1/2/2015 11:25:00 AM

Received Date: 1/6/2015 7:10:00 AM

Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE				Analyst	BCN	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/7/2015 4:49:15 PM	17083
Surr: DNOP	94.2	63.5-128	%REC	1	1/7/2015 4:49:15 PM	17083
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/7/2015 3:45:31 PM	17086
Surr: BFB	96.1	80-120	%REC	1	1/7/2015 3:45:31 PM	17086
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.048	mg/Kg	1	1/7/2015 3:45:31 PM	17086
Toluene	ND	0.048	mg/Kg	1	1/7/2015 3:45:31 PM	17086
Ethylbenzene	ND	0.048	mg/Kg	1	1/7/2015 3:45:31 PM	17086
Xylenes, Total	ND	0.097	mg/Kg	1	1/7/2015 3:45:31 PM	17086
Surr: 4-Bromofluorobenzene	117	80-120	%REC	1	1/7/2015 3:45:31 PM	17086

Matrix: SOIL

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

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Page 3 of 8
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Lab Order 1501056

Date Reported: 1/9/2015

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services

Project: Elm Ridge CBU Main Flowline

Lab ID: 1501056-004

Client Sample ID: SC-1

Collection Date: 1/2/2015 11:30:00 AM

Received Date: 1/6/2015 7:10:00 AM

Analyses	Result	t RL Qual Units			Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	t: BCN	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/7/2015 5:19:16 PM	17083	
Surr: DNOP	92.4	63.5-128	%REC	1	1/7/2015 5:19:16 PM	17083	
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/8/2015 3:56:50 PM	17086	
Surr: BFB	90.9	80-120	%REC	1	1/8/2015 3:56:50 PM	17086	
EPA METHOD 8021B: VOLATILES					Analys	t: NSB	
Benzene	ND	0.048	mg/Kg	1	1/7/2015 4:12:47 PM	17086	
Toluene	ND	0.048	mg/Kg	1	1/7/2015 4:12:47 PM	17086	
Ethylbenzene	ND	0.048	mg/Kg	1	1/7/2015 4:12:47 PM	17086	
Xylenes, Total	ND	0.096	mg/Kg	1	1/7/2015 4:12:47 PM	17086	
Surr: 4-Bromofluorobenzene	90.1	80-120	%REC	1	1/7/2015 4:12:47 PM	17086	

Matrix: SOIL

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

#### Qualifiers:

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

Page 4 of 8

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

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1501056

12-Jan-15

Client:

Animas Environmental Services

Project:

Elm Ridge CBU Main Flowline

Sample ID 1501056-001AM	<b>S</b> SampT	уре: МS	3	TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: S-1	Batch	n ID: <b>17</b>	083	RunNo: 23514							
Prep Date: 1/6/2015	Analysis D	Analysis Date: 1/7/2015 SeqNo: 694835					Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	67	9.9	49.46	81.38	-29.9	29.2	176			S	
Surr: DNOP	5.1		4.946		103	63.5	128				

Sample ID 1501056-001AMSD SampType: MSD TestCode: EPA Method 8015D: Diesel Range Organics Client ID: Batch ID: 17083 S-1 RunNo: 23514 Prep Date: 1/6/2015 Analysis Date: 1/7/2015 SeqNo: 694836 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 76 81.38 50.40 -11.0 29.2 176 12.9 23 S Surr: DNOP 5.5 5.040 63.5 109 128 0

Sample ID LCS-17083 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics Client ID: LCSS Batch ID: 17083 RunNo: 23514 Prep Date: 1/6/2015 Analysis Date: 1/7/2015 SeqNo: 695443 Units: mg/Kg Result SPK value SPK Ref Val %REC Analyte PQL LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 55 10 0 50.00 110 67.8 130 Surr: DNOP 4.9 5.000 97.3 63.5 128

Sample ID MB-17083	SampTy	SampType: MBLK TestCode: EPA Method 8015D: Diesel Range C								
Client ID: PBS	Batch	ID: <b>17</b>	083	R	RunNo: 2	3514				
Prep Date: 1/6/2015	Analysis Da	te: 1/	7/2015	S	SeqNo: 6	95946	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	<b>RPDLimit</b>	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.0		10.00		79.9	63.5	128			

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2.

RL Reporting Detection Limit

Page 5 of 8

# **OC SUMMARY REPORT**

Client:

### Hall Environmental Analysis Laboratory, Inc.

Animas Environmental Services

Analysis Date: 1/7/2015

PQL

4.7

Result

22

920

WO#: 1501056

12-Jan-15

Elm Ridge CBU Main Flowline Project: Sample ID MB-17086 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 17086 RunNo: 23519 Units: mg/Kg Prep Date: 1/6/2015 Analysis Date: 1/7/2015 SeqNo: 694868 SPK value SPK Ref Val Analyte Result **PQL** %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 920 Surr: BFB 1000 92.5 80 120 Sample ID LCS-17086 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 17086 RunNo: 23519 Prep Date: Analysis Date: 1/7/2015 1/6/2015 SeqNo: 694869 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 18 5.0 25.00 0 73.6 65.8 139 Surr: BFB 970 1000 96.9 120 Sample ID 1501056-001AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: S-1 Batch ID: 17086 RunNo: 23519 Prep Date: 1/6/2015 Analysis Date: 1/7/2015 SeqNo: 694875 Units: mg/Kg Result SPK value SPK Ref Val %REC Analyte PQL LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 21 4.7 23.36 0 90.3 47.9 144 870 934.6 93.0 120 Surr: BFB 80 Sample ID 1501056-001AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-1 Batch ID: 17086 RunNo: 23519 Units: mg/Kg

Surr: BFB	1000 934.6	110 80	120 0	0
Sample ID MB-17107	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Rang	e
Client ID: PBS	Batch ID: 17107	RunNo: 23541		
Prep Date: 1/7/2015	Analysis Date: 1/8/2015	SeqNo: 695642	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual

0

SPK value SPK Ref Val

23.36

1000

SegNo: 694876

HighLimit

144

120

47.9

80

%RPD

3.95

**RPDLimit** 

29.9

Qual

%REC

93.9

92.4

Sample ID LCS-17107	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 17107	RunNo: 23541
Prep Date: 1/7/2015	Analysis Date: 1/8/2015	SeqNo: 695643 Units: %REC
Analyte	Result PQL SPK valu	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BEB	1000 100	00 101 80 120

#### Qualifiers:

Surr: BFB

Prep Date: 1/6/2015

Gasoline Range Organics (GRO)

Value exceeds Maximum Contaminant Level

E Value above quantitation range

Analyte detected below quantitation limits

RSD is greater than RSDlimit 0

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits

В Analyte detected in the associated Method Blank

Η Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

P Sample pH greater than 2

Reporting Detection Limit

Page 6 of 8

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1501056

12-Jan-15

Client: Animas Environmental Services
Project: Elm Ridge CBU Main Flowline

Sample ID MB-17086	SampT	ype: ME	BLK	Test							
Client ID: PBS	Batch	Batch ID: 17086			RunNo: 23519						
Prep Date: 1/6/2015	Analysis D	Analysis Date: 1/7/2015			SeqNo: 694896			Units: mg/Kg			
Analyte	Result	Result PQL SPK value S			%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120				

Sample ID LCS-17086	SampT	ype: LC	S	Tes	8021B: Volat	iles							
Client ID: LCSS	Batch	Batch ID: 17086 RunNo: 23519											
Prep Date: 1/6/2015	Analysis Date: 1/7/2015 SeqNo: 694897 U					Units: mg/K	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	2.0	0.050	2.000	0	99.4	80	120						
Toluene	2.0	0.050	2.000	0	98.9	80	120						
Ethylbenzene	2.0	0.050	2.000	0	102	80	120						
Xylenes, Total	6.2	0.10	6.000	0	103	80	120						
Surr: 4-Bromofluorobenzene 1.2 1.000			120	80	120			S					

Sample ID 1501056-002AMS	SampT	ype: MS	3	Tes	PA Method	8021B: Volat	iles					
Client ID: S-2	Batch	Batch ID: 17086 RunNo: 23519										
Prep Date: 1/6/2015	Analysis D	Date: 1/7/2015 SeqNo: 694904					Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.95	0.048	0.9625	0.04339	94.0	69.2	126					
Toluene	1.1	0.048	0.9625	0.1300	101	65.6	128					
Ethylbenzene	1.1	0.048	0.9625	0.05824	107	65.5	138					
Xylenes, Total	3.4	0.096	2.887	0.2567	109	63	139					
Surr: 4-Bromofluorobenzene 0.83 0.9625 86			86.6	80	120							

Sample ID 1501056-002AMS	SD SampType: MSD TestCode: EPA Method 8021B: Volatiles										
Client ID: S-2	Batch ID: 17086 RunNo: 23519										
Prep Date: 1/6/2015	Analysis Date: 1/7/2015 SeqNo: 694905 Units: mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.84	0.048	0.9643	0.04339	82.2	69.2	126	12.6	18.5		
Toluene	0.92	0.048	0.9643	0.1300	82.3	65.6	128	17.7	20.6		
Ethylbenzene	0.92	0.048	0.9643	0.05824	89.5	65.5	138	16.2	20.1		
Xylenes, Total	2.9	0.096	2.893	0.2567	92.4	63	139	14.9	21.1		
Surr: 4-Bromofluorobenzene	1.1		0.9643		118	80	120	0	0		

#### Qualifiers:

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

Page 7 of 8

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1501056

12-Jan-15

Client:

Animas Environmental Services

Project:

Elm Ridge CBU Main Flowline

Sample ID MB-17107

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID:

PBS

Batch ID: 17107

RunNo: 23541

Prep Date: 1/7/2015 Analysis Date: 1/8/2015

SeqNo: 695657

Units: %REC

Analyte

PQL

LowLimit

120

Surr: 4-Bromofluorobenzene

1.2

SPK value SPK Ref Val %REC 1.000 116

HighLimit

**RPDLimit** Qual

Sample ID LCS-17107

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

LowLimit

Client ID: LCSS

Batch ID: 17107

RunNo: 23541

SeqNo: 695658

Units: %REC

Analyte

Prep Date:

Analysis Date: 1/8/2015

SPK value SPK Ref Val %REC

HighLimit

**RPDLimit** %RPD

Qual

Surr: 4-Bromofluorobenzene

1/7/2015

Result

1.000

%RPD

Qualifiers:

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Sample pH greater than 2.

Reporting Detection Limit

Page 8 of 8



Hall 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 Environmental	Work Order Number	15010	)56		RcptNo:	1
Received by/date	3:	E1 Ch 15					
Logged By:	Lindsay Mangin	1/6/2015 7:10:00 AM			Simily Herry		
Completed By:	Lindsay Mangin	1/6/2015 8:01:27 AM			Juney Haye	,	
Reviewed By:	AT 01/06/1	5					ĺ
Chain of Cust							
1. Custody seal	s intact on sample bottles?		Yes		No 🗆	Not Present	
2. Is Chain of C	ustody complete?		Yes	<b>V</b>	No 🗌	Not Present	
3. How was the	sample delivered?		Cour	ier			
Log In							
	mpt made to cool the sample	ne?	Yes	~	No 🗆	NA 🗆	
T. VVas all atter	mpt made to door the sample	50 (	163				
5. Were all sam	ples received at a temperat	ure of >0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
6 Sample/s) in	proper container/s\2		Yes		No 🗆		
o. Sample(s) in	proper container(s)?		165		140		
7. Sufficient sar	nple volume for indicated te	st(s)?	Yes	V	No 🗌		
8. Are samples	(except VOA and ONG) pro	perly preserved?	Yes	$\checkmark$	No 🗌		
9. Was preserve	ative added to bottles?		Yes		No 🗸	NA 🗆	
10.VOA vials ha	ve zero headspace?		Yes	<b>V</b>	No 🗆	No VOA Vials	
	mple containers received br	oken?	Yes		No 🗸		
, ,, ,						# of preserved bottles checked	
12.Does paperw	ork match bottle labels?		Yes	V	No 🗌	for pH:	
(Note discrep	pancies on chain of custody)						r >12 unless noted)
13. Are matrices	correctly identified on Chain	of Custody?	Yes	<b>V</b>	No 🗆	Adjusted?	
14. Is it clear who	at analyses were requested?		Yes		No 🗀		
	ing times able to be met? customer for authorization.)		Yes	$\checkmark$	No 🗔	Checked by:	
(11 110) 1101117	,						
Special Handi	ing (if applicable)						
16. Was client no	otified of all discrepancies wi	th this order?	Yes		No 🗆	NA 🗹	
Person	Notified:	Date:					
By Who	om:	Via:	eMa	ail [	Phone Fax	In Person	
Regard	ing:		111-111-			!	
Client I	nstructions:					-	
17. Additional re	marks:						_
18. Cooler Info	rmation						
Cooler No		Seal Intact   Seal No	Seal D	ate	Signed By	1	
1	1.8 Good	Yes	*** *** *		·	)	

			ental Services, LLC	X Standard		1	-			A	N.	AL	YS	IS	L	ABC	OR		
Mailing Ad	ldress:		***************************************	Elm Ridge C	BU Main Flow	line		49	01 H							, NM		9	
	604 W.	Piñon St.,	Farmington, NM 87401	Project #:					el. 50							345-4			
Phone #:		505-564-	-2281		****							A	naly	sis F	Requ	iest			
email or F	ax#:	eskyles@	animasenvironmental.com	Project Mana	iger:		(GRO/DRO/MRO)												
QA/QC Pad	ckage:			E. Skyles									ĺ						
☐ Standa	rd		☐ Level 4 (Full Validation)																
Accreditat  □ NELAP		□ Other		Sampler: E. Skyles															
□ EDD (T		u Other		On Ice: X Yes II No Sample Temperature: 7 X									-						
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO.	Method 8015D TPH	Method 8021 B											
01/02/15	11:16	Soil	S-1	1 - 4 oz.	cool	-CC1	×	X											
01/02/15	11:20	Soil	S-2	1 - 4 oz.	cool	-00Z	X	х											
01/02/15	11:25	Soil	S-3	1 - 4 oz.	cool	-003	x	x											
01/02/15	11:30	Soil	SC-1	1 - 4 oz.	cool	-004	X	Х											
								<u> </u>											
							_												
							_	L											
Date:	Time:	Relinquish	ann Sy L	Received by:	Whele	Date Time 1/5/15 1544	Rei	mark	S:										
Date:	Time:	Relinquish	tre Walls	Received by:	1	104 Time 01/04/15 0710													
1	f necessary,	samples sub	mitted to Hall Environmental may be subc	contracted to other a	accredited laboratori	es. This serves as notice of the	is pos	sibility.	Any s	ub-cor	ntracte	d data	will be	e clear	y notal	ted on th	ne analy	ytical re	port.