

AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pCS1507831688

3RP - 1024
ELM RIDGE EXPLORATION COMPANY LLC

<u>District I</u> 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

Submit 1 Copy to appropriate District Office in 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

						OPERAT	OR		Initial	Report Final Rep	
							anna Hamilton 3	30-2736	j		
	LOCA nit Letter Section Township Range S11 T23N R7W Latitude 3			NM 87413			No. 634-1144				
Facility Nan	ne: Marcu	s Compresso	r Station			Facility Type: Compressor Station					
Surface Own	ner: BLM			Mineral C)wner:				API No.		
				LOCA	ΓΙΟΝ	OF REL	EASE				
Unit Letter				Feet from the		n/South Line	Feet from the	East/We	est Line	County	
	S11	T23N	R7W								
				Latitude 36.	24568	Longitude ·	-107.53751				
				NATU	JRE (OF RELE	ASE				
Type of Relea	ase: oil wa	ter emulsifie	d liquid				Release: ~40 bbl	,	Volume R	ecovered: 21.46 bbls	
				t.		Date and H	Iour of Occurrenc	e	June 21, 2	2017 approx. 12:00pm	
XX7 T 1'		7' 0				ICA/EC T	WI OND OCE	21 - C 1	0 11 1	V F!-1.111	
was Immedia	ite Notice C		Yes [No □ Not Re	eauired		nneth Kilness) s Cory :	Smith and	Vanessa Fields as well as	
										CONS. DIV DIST. 3	
							lour 6.21.17 3:00p			COMP. DIA DIO!	
Was a Watero	course Read		Ves 🛛	No		If YES, Vo	olume Impacting t	he Water	course.	AUG 1 1 2017	
										AUU I I Zon	
Describe Area is no existing 8:00am. Plans tank and cont however Vana "0" and with I hereby certifications all public health should their corthe enviror	a Affected pit liner, we see to pull tar ainment are essa was ure he that, resure fy that the interpretations he ment. In a or local law	and Cleanup Arhich resulted alk and excavate a. Dianna Hanable to attend alts were accept information give are required to ronment. The lave failed to a ddition, NMC ws and/or regu	Action Tak in soil con the the cont milton not all and she a table and very ven above to report an acceptance adequately OCD acceptal	en.* The releas tamination. 3 rd pa aminated area, ha ified NMOCD an dvised me to go a we were given per is true and comp d/or file certain re e of a C-141 repo investigate and re	e was rearry conculing cond BLM whead an electric to the elease root by the emedia.	estricted to the tractor, Halo (contaminated set of potential set of sample. See on by Vanessa the best of my notifications at the NMOCD mete contamination of the sample of the set of the contamination of the sample of the sam	e containment area Construction will bil to land farm, for ampling date and e attached labs and Fields to backfill. knowledge and und perform correct arked as "Final Roon that pose a three the operator of the	a/berm. 2 begin clea collowed b time to al d report an inderstand titive action eport" doc eat to groun responsible	1.46 bbls an up on May soil sam llow NMC and labs for labs for release not reliund water tility for control of the ball of the	were recovered, however; the Monday June 26, 2017 at appling, pit lining and resetting DCD and BLM to witness are further detail. Site was randuant to NMOCD rules and asses which may endanger	
Printed Name		amilton					0/11/2	_	(3	
Title: HSE Co	oordinator					Approval Dat	e: //14//	Ex	kpiratio L	Pene:	
						Conditions of	Americal:				
E-mail Addre	ss: dhamilt	on@djrllc.com	n			Coliditions of	Approvai.			Attached	
		on@djrllc.com				Conditions of	Арргочаг.			Attached	

PO Box 1280 Bloomfield, NM 87413 (505) 634-1144

August 8, 2017

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, NM 87410

Return Receipt Requested 7015 0640 0005 8540 0526

Subject: Marcus Compressor Station Release

To whom it may concern,

DJR Operating (previously Elm Ridge Exploration dba Beeline Gas Systems) is submitting this packet which contains C-141 initial and final reports, lab results and reports, C-138.

If you have any questions or comments please feel free to contact me at the above number or by email at dhamilton@djrllc.com

Sincerely,

Dianna Hamilton

HSE Coordinator

OIL CONS. DIV DIST. 3

AUG 1 1 2017

Attachments: C-141 Initial

Quanna Hamilton

C-141 Final

C-138

Lab analysis report for soil samples

Full report for release (Animas Environmental)

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

©COPY

Form C-141 Revised August 8, 2011

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

Attached

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

		,		Sa	anta E	e, NM 8/3	505	1	1.11	(1) (1) (1) (1)
			Rele	ase Notifica	ation	and Co	rrective Ac	etion		
						OPERAT	OR		Initial 1	Report Final Report
Name of Co	mpany: E	lm Ridge Ex	ploration	Co.		Contact: Di	anna Hamilton	330-273	6	
Address: 20							No. 634-1144			
Facility Nar							e: Compressor	Station		
Surface Ow	ner: BLM			Mineral C)wner:				API No.	
		7.				OF REL	EASE			
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/W	est Line	County
	S11	T23N	R7W							
				Latitude 36.	.24568	Longitude -	-107.53751			
				NATU	JRE	OF RELE	ASE			July And S
Type of Relea	ase: oil wat	er emulsifie	d liquid			Volume of	Release: ~40 bbl		Volume Re	ecovered: 21.46 bbls
Source of Rel				t.		Date and H	Iour of Occurrenc	e	June 21, 2	017 approx. 12:00pm
Was Immedia	te Notice C	liven?				If YES, To	Whom? NMOCI	D's Cory	Smith and	Vanessa Fields as well as
		\boxtimes	Yes	No Not Re	equired		nneth Kilness			
By Whom? D	ianna Ham	ilton	-			Date and H	Iour 6.21.17 3:00p	nm	UILU	ONS. DIV DIST. 3
Was a Watero							olume Impacting t		course.	1110 1 1 101
.,,			Yes 🛚	No					1-	AUG 1 1 2017
If a Watercou	rse was Imp	pacted, Descri	ibe Fully.*	N/A						
										was doing his routine drain
from the slop coordination.	tank to the	pit and left th	e valve op	en. Operator calle	ed mids	stream regulato	ory contact to repo	ort and to	begin reme	ediation and clean up
Describe Area										vere recovered, however; there
is no existing	pit liner, wh	nich resulted	in soil con	tamination. 3rd pa	rty con	tractor, Halo (Construction will l	begin cle	an up on M	londay June 26, 2017 at
8:00am. Plans	to pull tan	k and excavat	e the conta	aminated area, hau	uling c	ontaminated so	oil to land farm, fo	ollowed b	y soil samp	oling, pit lining and resetting
	ainment are	a. Please note	, Dianna H	Hamilton will noti	fy NM	OCD and BLN	A of potential sam	ipling dat	te and time	to allow NMOCD and BLM
to witness.				,						
										ant to NMOCD rules and
regulations all	operators	are required to	report an	d/or file certain re	elease r	notifications ar	id perform correct	tive actio	ns for relea	ses which may endanger
public health	or the envir	onment. The	acceptanc	e of a C-141 repor	rt by th	te antemination	arked as "Final Ke	eport" do	es not reliev	ve the operator of liability
snould their of	perations na	ive failed to a	CD	investigate and re	media	le comaminam	on mat pose a mire	at to gro	und water,	surface water, human health npliance with any other
federal, state,				ance of a C-141 I	ероп с	ides not reneve	e the operator of h	esponsio	ility for con	inpliance with any other
rodorai, state,	1.	1/	,		T		OIL CONS	SFRVA	TION	DIVISION
Signature:	liann	a Wa	mil	tin			012 00110	7272 7 7	11101112	
76	VVVVVVV	- 9.				Approved by	Environmental Sp	ecialist.		
Printed Name:	: Dianna Ha	milton				rr				
Title: HSE Co	ordinator					Approval Date	e:	Ex	piration Da	ate:
					1					

Conditions of Approval:

E-mail Address: dhamilton@djrllc.com

Date: 6.22.17 Phone: 505-330-2736

* Attach Additional Sheets If Necessary

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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 \[\ \bar{7035-0003}\] Revised August 1, 2011

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

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

REQUEST FOR ATTROVAL TO ACCELT SOLID WASTE
1. Generator Name and Address: Elmridge Exploration CO, 2001 E. Blanco Blvd, PO Box 1280 Bloomfield NM 87413
2. Originating Site: Marcus Compressor Station
3. Location of Material (Street Address, City, State or ULSTR): S11 T23N R7W June 2017
4. Source and Description of Waste: Hydrocarbon impacted soil from the release of produced water and crude oil mixture due to tank overflow. Estimated Volume20yd³ / bbls Known Volume (to be entered by the operator at the end of the haul)21
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Dianna Hamilton. Dianna Hamilton, representative or authorized agent for Elm Ridge Exploration do hereby COMPANY NAME certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
□ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency □ Monthly □ Weekly □ Per Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
I, <u>Dianna R. Hamilton</u> , representative for <u>DJR Operating</u> authorize Envirotech to Generator Signature complete the required testing/sign the Generator Waste Testing Certification.
I,
5. Transporter: Roberts Trucking, Teraco, Halo OIL CONS. DIV DIST. 3
1 1 2017
OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: Envirotech Permit # NM-01-0011
Address of Facility: #43 Road 7175 South of Bloomfield NM 87413
Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☐ Landfarm ☐ Landfill ☐ Other
Waste Acceptance Status: APPROVED DENIED (Must Be Maintained As Permanent Record)
PRINT NAME: Greg Crabtree TITLE: Environmental Manager DATE: 6/26/17
SIGNATURE: TELEPHONE NO.: (525) C32-0615

Animas Environmental Services, LLC



August 1, 2017

OIL CONS. DIV DIST. 3

Dianna Hamilton
DJ Resources, LLC
2001 E. Blanco Blvd
Bloomfield, New Mexico 87413

AUG 1 1 2017

Via electronic mail with delivery confirmation receipt to: dhamilton@djrllc.com

RE: Excavation Clearance Report

Marcus Compressor Station Release Rio Arriba County, New Mexico

Dear Ms. Hamilton:

On July 11, 2017, Animas Environmental Services, LLC (AES) completed confirmation sampling of the excavation area associated with petroleum contaminated soils at the DJ Resources Marcus Compressor Station. According to the initial C-141, the release occurred on June 21, 2017, and consisted of approximately 40 bbls of oil/water emulsified liquids, of which approximately 21.46 bbls was recovered.

1.0 Site Information

1.1 Location

Legal Description – NE¼ NE¼, Section 11, T23N, R7W, Rio Arriba County, New Mexico Release Latitude/Longitude – N36.24568 and W107.53751, respectively Land Jurisdiction – Bureau of Land Management (BLM) Figure 1. Topographic Site Location Map

Figure 1. Topographic Site Location Mar

Figure 2. Aerial Site Map, July 2017

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of 0 based on the following factors:

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

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

- Depth to Groundwater: The location is approximately 210 feet higher than the nearest significant drainage 1,150 feet to the northwest. (0 points)
- Wellhead Protection Area: The tank location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: There is an unnamed drainage 1,150 feet to the northwest that ultimately drains to Largo Canyon Wash. (0 points)

1.3 Excavation Clearance

On July 11, 2017, DJ Resources contractors completed an excavation at the release location, and AES personnel collected a total of nine confirmation soil samples for laboratory analysis from the walls and base of the excavation. The final excavation measured approximately 25 feet by 45 feet by 4.5 to 9 feet deep. Sample locations and final excavation extents are presented on Figure 3.

2.0 Soil Sampling

On July 11, 2017, nine soil samples (SC-1 through SC-9) were collected from the walls and base of the excavation. All samples were submitted for laboratory analysis.

2.1 Laboratory Analyses

The samples collected for laboratory analysis (SC-1 through SC-9) were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. The samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- Total petroleum hydrocarbons (TPH) as gasoline, diesel range and motor oil range (GRO, DRO, and MRO) per USEPA Method 8015M/D.

2.2 Laboratory Analytical Results

Laboratory analytical results are summarized in Table 1 and on Figure 3. The laboratory analytical report is attached.

Table 1. Soil Laboratory Analytical Results – Benzene, Total BTEX, and TPH Marcus Compressor Station Release Excavation Clearance, July 2017

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)	TPH – MRO (mg/kg)
	Action Level		10	50	, 3, 3,	5,000	
SC-1	7/11/17	0 to 9	<0.024	<0.216	<4.8	72	60
SC-2	7/11/17	0 to 9	<0.024	<0.217	<4.8	200	180
SC-3	7/11/17	0 to 9	<0.024	<0.220	<4.9	<10	<50
SC-4	7/11/17	0 to 9	<0.024	<0.216	<4.8	20	<47
SC-5	7/11/17	0 to 9	<0.024	<0.213	<4.7	<9.9	<50
SC-6	7/11/17	9	<0.023	<0.210	<4.7	<10	<50
SC-7	7/11/17	0 to 4.5	<0.024	<0.219	<4.9	33	<48
SC-8	7/11/17	0 to 4.5	<0.024	<0.246	<4.8	<9.5	<48
SC-9	7/11/17	4.5	<0.12	<1.11	30	510	400

^{*}Action level determined by NMAC 19.15.17.13E

3.0 Conclusions and Recommendations

On July 11, 2017, AES completed confirmation sampling of the excavation area associated with petroleum contaminated soils at the DJ Resources Marcus Compressor Station release location. 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 0.

Soil laboratory analyses for SC-1 through SC-9 showed benzene and total BTEX concentrations below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively, with all BTEX concentrations being below laboratory detection limits. In addition, TPH (GRO/DRO/MRO) concentrations were below the NMOCD action level of 5,000 mg/kg in all samples.

Based on the final laboratory analytical results of the excavation of petroleum contaminated soils at the Marcus Compressor Station release location, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final base and sidewalls. No further work is recommended.

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

Sincerely,

David J. Reese

Environmental Scientist

Elizabeth V MeNelly

David of Reme

Elizabeth McNally, P.E.

Attachments:

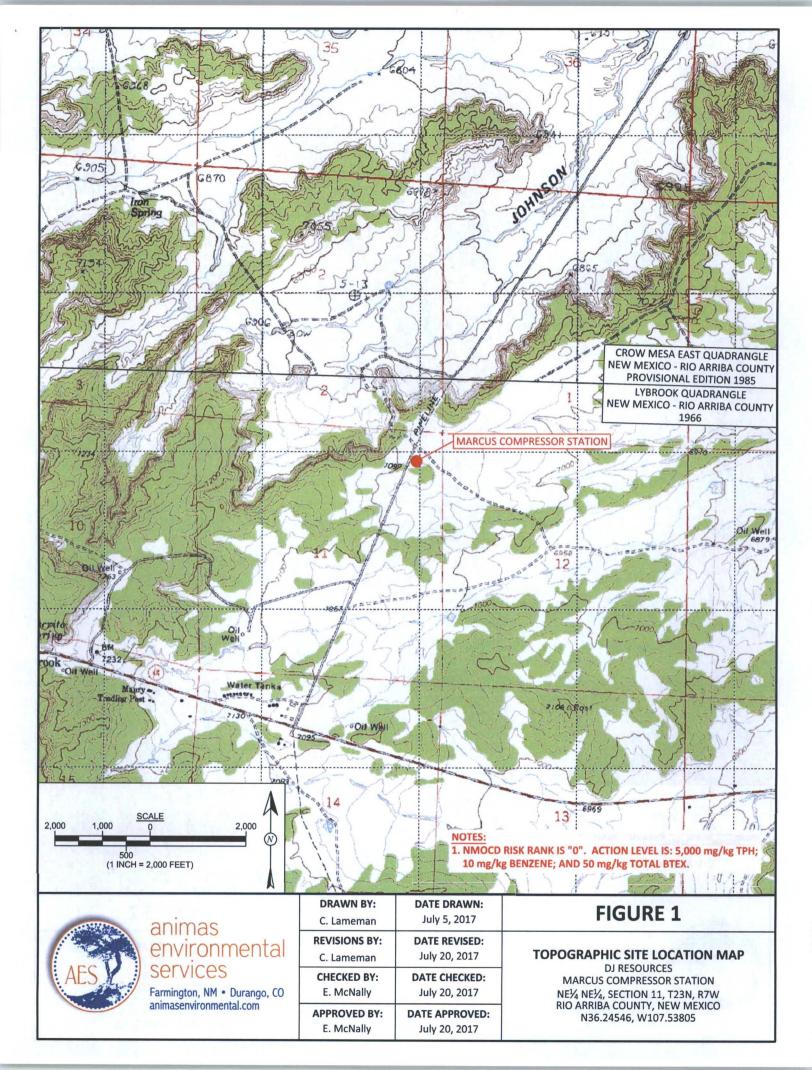
Figure 1. Topographic Site Location Map

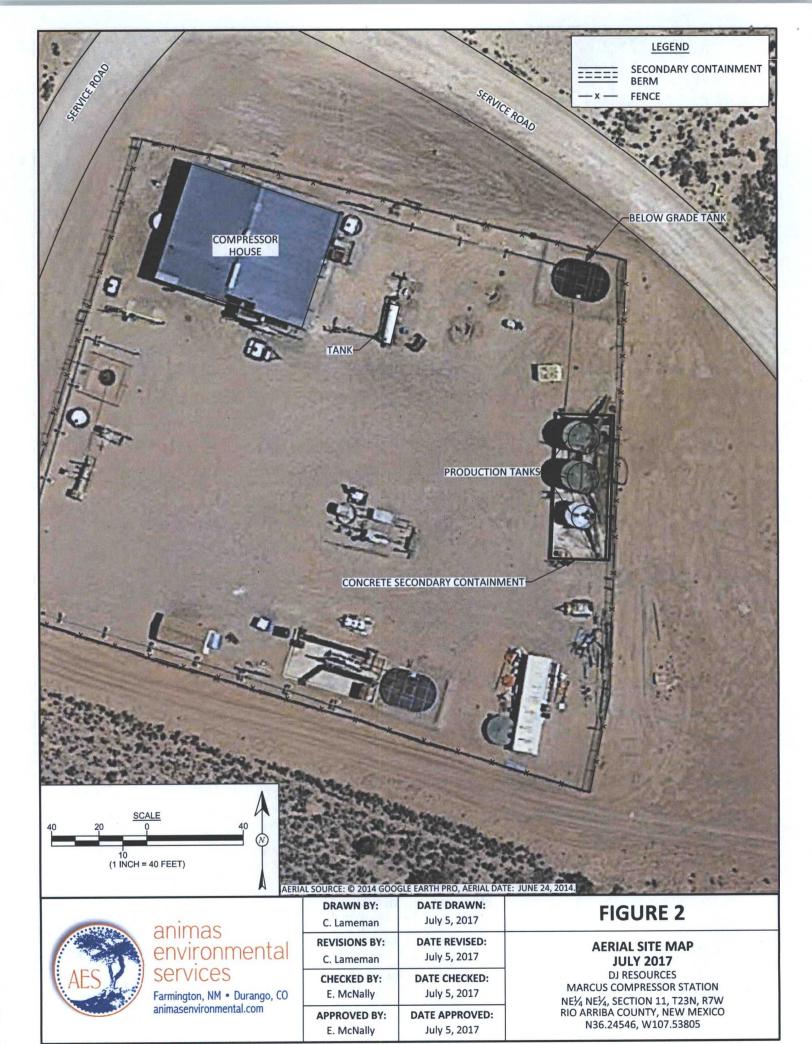
Figure 2. Aerial Site Map, July 2017

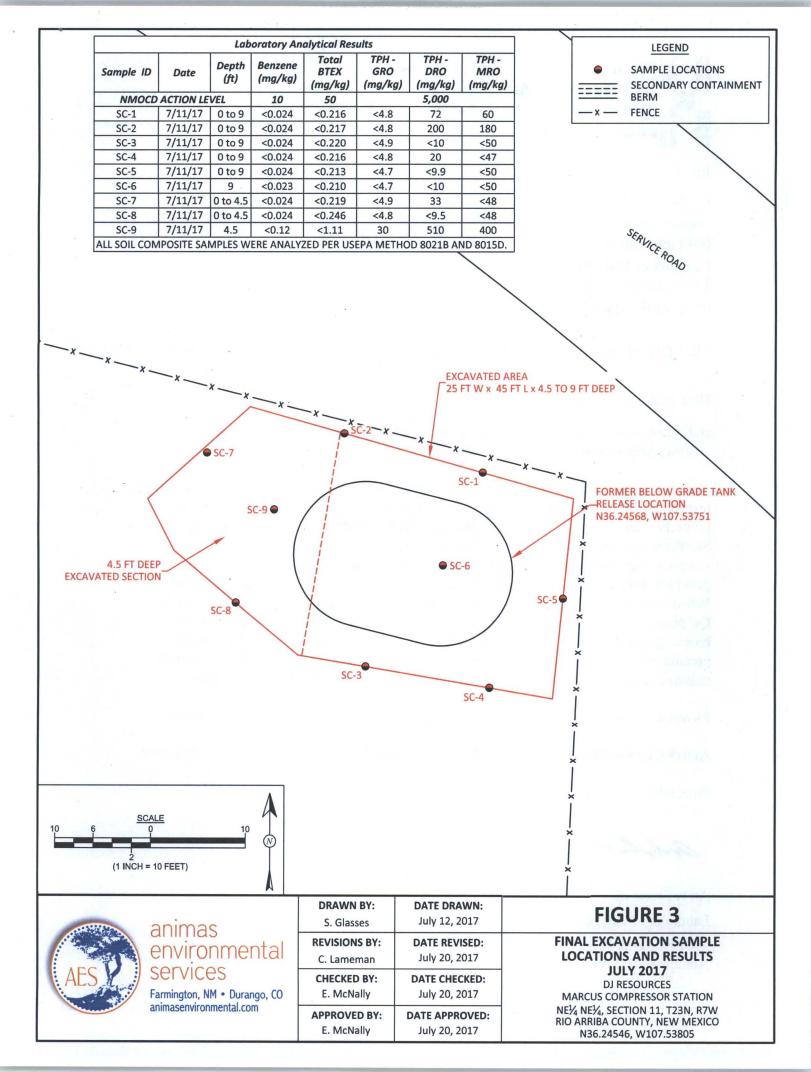
Figure 3. Final Excavation Sample Locations and Results, July 2017

Hall Analytical Report 1707627

\\SVRMAIN2\Shared\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects Dropbox\2017 Client Projects\DJ Resources (Bee Line)\Marcus Compressor Station\DJ Resources Marcus Compressor Station Release Final Excavation Report 080117.docx









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

OrderNo.: 1707627

July 19, 2017

Elizabeth McNally Animas Environmental Services 604 Pinon Street Farmington, NM 87401

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

RE: DJR Marus Compressor Station

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

Lab ID: 1707627-001

Matrix: SOIL

Client Sample ID: SC-1

Collection Date: 7/11/2017 11:01:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANIC	S			Analys	t: MAB
Diesel Range Organics (DRO)	72	9.7	mg/Kg	1	7/18/2017 6:13:02 AM	32810
Motor Oil Range Organics (MRO)	60	49	mg/Kg	1	7/18/2017 6:13:02 AM	32810
Surr: DNOP	71.8	70-130	%Rec	1	7/18/2017 6:13:02 AM	32810
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/18/2017 10:24:04 PM	32814
Surr: BFB	96.1	54-150	%Rec	1	7/18/2017 10:24:04 PM	32814
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	7/18/2017 10:24:04 PM	32814
Toluene	ND	0.048	mg/Kg	1	7/18/2017 10:24:04 PM	32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/18/2017 10:24:04 PM	32814
Xylenes, Total	ND	0.096	mg/Kg	1	7/18/2017 10:24:04 PM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	7/18/2017 10:24:04 PM	32814

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 15 J
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

DJR Marus Compressor Station

Lab ID: 1707627-002

Project:

Client Sample ID: SC-2

Collection Date: 7/11/2017 11:05:00 AM Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS	3		100	Analyst:	MAB
Diesel Range Organics (DRO)	200	10	mg/Kg	1	7/18/2017 6:37:36 AM	32810
Motor Oil Range Organics (MRO)	180	50	mg/Kg	1	7/18/2017 6:37:36 AM	32810
Surr: DNOP	76.0	70-130	%Rec	1	7/18/2017 6:37:36 AM	32810
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/18/2017 10:47:33 PM	32814
Surr: BFB	124	54-150	%Rec	1	7/18/2017 10:47:33 PM	32814
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/18/2017 10:47:33 PM	32814
Toluene	ND	0.048	mg/Kg	1	7/18/2017 10:47:33 PM	32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/18/2017 10:47:33 PM	32814
Xylenes, Total	ND	0.097	mg/Kg	1	7/18/2017 10:47:33 PM	32814
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	7/18/2017 10:47:33 PM	32814

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

DJR Marus Compressor Station

Lab ID: 1707627-003

Project:

Matrix: SOIL

Client Sample ID: SC-3

Collection Date: 7/11/2017 11:08:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s			Analyst:	MAB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/18/2017 7:02:19 AM	32810
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/18/2017 7:02:19 AM	32810
Surr: DNOP	71.0	70-130	%Rec	1	7/18/2017 7:02:19 AM	32810
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/19/2017 12:21:36 AM	32814
Surr: BFB	95.6	54-150	%Rec	1	7/19/2017 12:21:36 AM	32814
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 12:21:36 AM	32814
Toluene	ND	0.049	mg/Kg	1	7/19/2017 12:21:36 AM	32814
Ethylbenzene	ND	0.049	mg/Kg	1	7/19/2017 12:21:36 AM	32814
Xylenes, Total	ND	0.098	mg/Kg	1	7/19/2017 12:21:36 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	7/19/2017 12:21:36 AM	32814

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-4

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:12:00 AM

Lab ID: 17

1707627-004

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	MAB
Diesel Range Organics (DRO)	20	9.3	mg/Kg	1	7/18/2017 7:26:54 AM	32810
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/18/2017 7:26:54 AM	32810
Surr: DNOP	76.2	70-130	%Rec	1	7/18/2017 7:26:54 AM	32810
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Surr: BFB	94.8	54-150	%Rec	1	7/19/2017 12:45:12 AM	32814
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Toluene	ND	0.048	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Xylenes, Total	ND	0.096	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	7/19/2017 12:45:12 AM	32814

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project:

Lab ID: 1707627-005

DJR Marus Compressor Station

Matrix: SOIL

Client Sample ID: SC-5

Collection Date: 7/11/2017 11:16:00 AM

Received Date: 7/13/2017 7:10:00 AM

ORGANICS ND ND 71.4	9.9 50 70-130	mg/Kg mg/Kg %Rec	1 1 1	Analyst 7/18/2017 7:51:35 AM 7/18/2017 7:51:35 AM 7/18/2017 7:51:35 AM	32810 32810
ND 71.4	50	mg/Kg	1	7/18/2017 7:51:35 AM	32810
71.4		0 0			
	70-130	%Rec	1	7/19/2017 7:51:25 AM	
_				1/10/2017 1.51.55 AIVI	32810
E				Analyst	NSB
ND	4.7	mg/Kg	1	7/19/2017 1:08:41 AM	32814
94.8	54-150	%Rec	1	7/19/2017 1:08:41 AM	32814
				Analyst	NSB
ND	0.024	mg/Kg	1	7/19/2017 1:08:41 AM	32814
ND	0.047	mg/Kg	1	7/19/2017 1:08:41 AM	32814
ND	0.047	mg/Kg	1	7/19/2017 1:08:41 AM	32814
ND	0.095	mg/Kg	1	7/19/2017 1:08:41 AM	32814
108	66.6-132	%Rec	1	7/19/2017 1:08:41 AM	32814
	94.8 ND ND ND	ND 4.7 94.8 54-150 ND 0.024 ND 0.047 ND 0.047 ND 0.095	ND 4.7 mg/Kg 94.8 54-150 %Rec ND 0.024 mg/Kg ND 0.047 mg/Kg ND 0.047 mg/Kg ND 0.047 mg/Kg	ND 4.7 mg/Kg 1 94.8 54-150 %Rec 1 ND 0.024 mg/Kg 1 ND 0.047 mg/Kg 1 ND 0.047 mg/Kg 1 ND 0.095 mg/Kg 1	ND 4.7 mg/Kg 1 7/19/2017 1:08:41 AM 94.8 54-150 %Rec 1 7/19/2017 1:08:41 AM Analyst: ND 0.024 mg/Kg 1 7/19/2017 1:08:41 AM ND 0.047 mg/Kg 1 7/19/2017 1:08:41 AM ND 0.047 mg/Kg 1 7/19/2017 1:08:41 AM ND 0.095 mg/Kg 1 7/19/2017 1:08:41 AM

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 5 of 15
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

DJR Marus Compressor Station

Lab ID: 1707627-006

Client Sample ID: SC-6

Collection Date: 7/11/2017 11:20:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/18/2017 4:02:52 PM	32836
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/18/2017 4:02:52 PM	32836
Surr: DNOP	84.6	70-130	%Rec	1	7/18/2017 4:02:52 PM	32836
EPA METHOD 8015D: GASOLINE RAN	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: BFB	94.9	54-150	%Rec	1	7/19/2017 1:32:10 AM	32814
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.023	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Toluene	ND	0.047	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Ethylbenzene	ND	0.047	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Xylenes, Total	ND	0.093	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132	%Rec	1	7/19/2017 1:32:10 AM	32814

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 6 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Lab ID: 1707627-007

DJR Marus Compressor Station

Matrix: SOIL

Client Sample ID: SC-7

Collection Date: 7/11/2017 11:43:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analys	t: TOM
Diesel Range Organics (DRO)	33	9.5	mg/Kg	1	7/18/2017 5:28:10 PM	32836
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/18/2017 5:28:10 PM	32836
Surr: DNOP	81.1	70-130	%Rec	1	7/18/2017 5:28:10 PM	32836
EPA METHOD 8015D: GASOLINE RAM	IGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: BFB	97.1	54-150	%Rec	1	7/19/2017 1:55:41 AM	32814
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Toluene	ND	0.049	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Ethylbenzene	ND	0.049	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Xylenes, Total	ND	0.097	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	7/19/2017 1:55:41 AM	32814

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 7 of 15
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

DJR Marus Compressor Station

Lab ID: 1707627-008

Matrix: SOIL

Client Sample ID: SC-8

Collection Date: 7/11/2017 11:46:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS		- ria	-	Analyst:	том
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/18/2017 5:57:35 PM	32836
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/18/2017 5:57:35 PM	32836
Surr: DNOP	71.6	70-130	%Rec	1	7/18/2017 5:57:35 PM	32836
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: BFB	98.1	54-150	%Rec	1	7/19/2017 2:19:08 AM	32814
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Toluene	ND	0.048	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Xylenes, Total	ND	0.096	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	7/19/2017 2:19:08 AM	32814

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 8 of 15
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SC-9

CLIENT: Animas Environmental Services **Project:** DJR Marus Compressor Station

Collection Date: 7/11/2017 11:50:00 AM

Lab ID: 1707627-009

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S				Analyst	: ТОМ
Diesel Range Organics (DRO)	510	9.7		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Motor Oil Range Organics (MRO)	400	49		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Surr: DNOP	88.7	70-130		%Rec	1	7/18/2017 6:26:56 PM	32836
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: BFB	151	54-150	S	%Rec	5	7/19/2017 2:42:40 AM	32814
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Toluene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Ethylbenzene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Xylenes, Total	ND	0.49	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: 4-Bromofluorobenzene	116	66.6-132	D	%Rec	5	7/19/2017 2:42:40 AM	32814

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 9 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client: Project:		Invironmen us Compres									The sale
Sample ID	MB-32805	SampTy	pe: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	10,104
Client ID:	PBS	Batch	ID: 32	805	F	RunNo: 4	4252				
Prep Date:	7/14/2017	Analysis Da	te: 7	17/2017	\$	SeqNo: 1	397598	Units: %Re	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	The state of the s	9.6		10.00		96.3	70	130			1.4
Sample ID	LCS-32805	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 32	805	F	RunNo: 4	4252				
Prep Date:	7/14/2017	Analysis Da	te: 7	17/2017	5	SeqNo: 1	397654	Units: %Re	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.0		5.000		100	70	130			
Sample ID	LCS-32810	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 32	810		RunNo: 4					
Prep Date:	7/14/2017	Analysis Da	te: 7/	17/2017		SeqNo: 1	397734	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	47	10	50.00	0	95.0	73.2	114			
Surr: DNOP		4.5		5.000		90.1	70	130			
Sample ID	MB-32810	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	PBS	Batch	ID: 32	810	F	RunNo: 4	4252				
Prep Date:	7/14/2017	Analysis Da	te: 7/	17/2017	8	SeqNo: 1	397735	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
	e Organics (MRO)	ND	50					~ (4.00			
Surr: DNOP		9.3		10.00		93.0	70	130			
Sample ID	1707627-006AMS	SampTy	pe: MS	8	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	SC-6	Batch	ID: 32	836	F	RunNo: 4	4282				
Prep Date:	7/17/2017	Analysis Da	te: 7/	18/2017	8	SeqNo: 1	399664	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	62	9.7	48.40	6.281	116	55.8	122			
Surr: DNOP		4.4		4.840		91.8	70	130			
Sample ID	1707627-006AMSE	SampTy	pe: MS	SD	Tes	tCode: El	A Method	8015M/D: Di	esel Range	e Organics	
Client ID:	SC-6	Batch	ID: 32	836	F	RunNo: 4	4282				
Prep Date:	7/17/2017	Analysis Da	te: 7/	18/2017	S	SeqNo: 1	399665	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	63	9.7	48.40	6.281	116	55.8	122	0.375	20	

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Page 10 of 15

P Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID 1707627-006AMSD

SampType: MSD

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

Client ID:

SC-6

Batch ID: 32836

RunNo: 44282

Prep Date:

7/17/2017

Analysis Date: 7/18/2017

SeqNo: 1399665

Units: mg/Kg

130

Analyte Surr: DNOP Result

SPK value SPK Ref Val %REC **HighLimit**

RPDLimit

Qual

4.5

4.840

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

%RPD

Sample ID LCS-32836

Client ID: LCSS

SampType: LCS Batch ID: 32836

RunNo: 44282

92.0

Prep Date: 7/17/2017

Analysis Date: 7/18/2017

SeqNo: 1399678

Units: mg/Kg

HighLimit

RPDLimit

Analyte Diesel Range Organics (DRO)

SPK value SPK Ref Val PQL 10

88.8

Result 54

4.4

50.00 5.000

%REC 0 107

73.2 70

LowLimit

LowLimit

114 130 Qual

Surr: DNOP

Sample ID MB-32836

SampType: MBLK

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

%RPD

Client ID: Prep Date:

Surr: DNOP

PBS

Batch ID: 32836

Analysis Date: 7/18/2017

10

50

RunNo: 44282 SeqNo: 1399679

Units: mg/Kg

%RPD

Diesel Range Organics (DRO)

PQL

SPK value SPK Ref Val

%REC

LowLimit

HighLimit

RPDLimit

Qual

Motor Oil Range Organics (MRO)

7/17/2017

Result ND

ND

8.4

10.00

84.4

70

130

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND PQL Practical Quanitative Limit

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

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 11 of 15

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID	MB-32828	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID:	DDC	Potch ID: 22020	PunNo: 44204

Client ID: Batch ID: 32828 RunNo: 44294

Prep Date: 7/17/2017 Analysis Date: 7/18/2017 SeqNo: 1399599 Units: %Rec

Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: BFB 960 1000 95.8 150

Sample ID LCS-32828 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 32828 RunNo: 44294

Prep Date: 7/17/2017 Analysis Date: 7/18/2017 SeaNo: 1399600 Units: %Rec

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

105 Surr: BFB 1100 1000 150

Sample ID LCSD-32828 SampType: LCSD TestCode: EPA Method 8015D: Gasoline Range

Batch ID: 32828 Client ID: LCSS02 RunNo: 44294

Prep Date: 7/17/2017 Analysis Date: 7/18/2017 SeqNo: 1399601 Units: %Rec

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

Surr: BFB 1000

Sample ID MB-32814 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: Batch ID: 32814 RunNo: 44294 PBS

Analysis Date: 7/18/2017 Prep Date: 7/14/2017 SeqNo: 1399613 Units: mg/Kg

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

ND 5.0 Gasoline Range Organics (GRO) 980 1000 98.2 54 150 Surr: BFB

Sample ID LCS-32814 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

LCSS Batch ID: 32814 RunNo: 44294 Client ID:

Analysis Date: 7/18/2017 SegNo: 1399614 Prep Date: 7/14/2017 Units: ma/Ka

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit **HighLimit** Qual Gasoline Range Organics (GRO) 24 5.0 25.00 96.6 76.4 125

107 1000 54 150 Surr: BFB 1100

Sample ID 1707627-002AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: SC-2 Batch ID: 32814 RunNo: 44294

Prep Date: 7/14/2017 Analysis Date: 7/18/2017 SeqNo: 1399617 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit **HighLimit** %RPD **RPDLimit** Qual 23 24.63 2.963 80.9 77.8 128 Gasoline Range Organics (GRO) 4.9 Surr: BFB 1200 985.2 126 54 150

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank B

Value above quantitation range

Analyte detected below quantitation limits J

Page 12 of 15

P Sample pH Not In Range

Reporting Detection Limit RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID 1707627-002AMSD

SampType: MSD

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

SC-2

Batch ID: 32814

RunNo: 44294

Prep Date: 7/14/2017

Analysis Date: 7/18/2017

SeqNo: 1399618

Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.85	2.963	94.3	77.8	128	14.2	20	KA IN
Surr: BFB	1200		994.0		121	54	150	0	0	

Qualifiers:

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

Sample pH Not In Range

P RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 13 of 15

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID MB-32828

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

LowLimit

66.6

Client ID: **PBS** Batch ID: 32828

RunNo: 44294

Prep Date: 7/17/2017

Analysis Date: 7/18/2017

PQL

SeqNo: 1399633

Units: %Rec

132

Analyte

Result

Qual

1.1

Result

1.1

SPK value SPK Ref Val 1.000

%REC 108

HighLimit

RPDLimit

Surr: 4-Bromofluorobenzene

TestCode: EPA Method 8021B: Volatiles

Sample ID LCS-32828

SampType: LCS

Client ID: LCSS

7/17/2017

Batch ID: 32828

RunNo: 44294

Units: %Rec

%RPD

Analyte

Prep Date:

Analysis Date: 7/18/2017

SegNo: 1399634

%REC LowLimit HighLimit

Surr: 4-Bromofluorobenzene

1.000

111

66.6 132 %RPD **RPDLimit** Qual

Prep Date: 7/17/2017

Batch ID: 32828

TestCode: EPA Method 8021B: Volatiles

Sample ID LCSD-32828

LCSS02

SampType: LCSD

SPK value SPK Ref Val

RunNo: 44294

SeqNo: 1399635

111

Units: %Rec

Analyte

Client ID:

Analysis Date: 7/18/2017

66.6

%RPD

Surr: 4-Bromofluorobenzene

PQL Result

Analysis Date: 7/18/2017

PQL

0.050

PQL

0.025

0.050

0.050

0.10

1.000

SPK value SPK Ref Val %REC

LowLimit

HighLimit

132

RPDLimit

Qual

Sample ID MB-32814

Result

ND

ND

ND

ND

1.1

1.1

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

Client ID: PRS

Batch ID: 32814

RunNo: 44294

RPDLimit

Prep Date: Analyte

Benzene

7/14/2017

0.025 0.050

SPK value SPK Ref Val %REC

SeqNo: 1399647 LowLimit Units: mg/Kg HighLimit

%RPD

Qual

Qual

Toluene Ethylbenzene

Xylenes, Total

0.10 1.000

SPK Ref Val

0

0

0

0

113 66.6

LowLimit

80

80

80

80

66.6

132

Surr: 4-Bromofluorobenzene

Surr: 4-Bromofluorobenzene

Sample ID LCS-32814

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

%RPD

RPDLimit

Page 14 of 15

Analyte

Analysis Date: 7/18/2017

Result

0.97

0.96

0.98

2.9

1.1

Batch ID: 32814

SPK value

1.000

1.000

1.000

3.000

1.000

RunNo: 44294

%REC

97.5

96.2

97.6

98.2

113

SeqNo: 1399648

Units: mg/Kg

HighLimit

120

120

120

120

132

Prep Date: 7/14/2017 Benzene Toluene Ethylbenzene

Xylenes, Total

Client ID:

Qualifiers:

D Sample Diluted Due to Matrix

Not Detected at the Reporting Limit ND Practical Quanitative Limit

Holding times for preparation or analysis exceeded

Analyte detected in the associated Method Blank В

Value above quantitation range Analyte detected below quantitation limits J

P Sample pH Not In Range

Sample container temperature is out of limit as specified

Value exceeds Maximum Contaminant Level.

H

RL Reporting Detection Limit

S % Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Qual

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

SampType: MS

TestCode: EPA Method 8021B: Volatiles

Client ID: SC-1

Sample ID 1707627-001AMS

Batch ID: 32814

RunNo: 44294

Prep Date: 7/14/2017

Analysis Date: 7/18/2017

SeqNo: 1399650

Units: ma/Ka

A STATE OF STREET STREET	,								
Analyte	Resu	ılt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	0.0	0.024	0.9728	. 0	100	80.9	132		
Toluene	0.9	0.049	0.9728	0.01598	97.3	79.8	136		
Ethylbenzene	0.9	0.049	0.9728	0.01601	99.2	79.4	140		
Xylenes, Total	2	.9 0.097	2.918	0.01861	100	78.5	142		
Surr: 4-Bromofluorobenzene	1	.1	0.9728		116	66.6	132		

Sample ID 1707627-001AMSD

SampType: MSD

TestCode: EPA Method 8021B: Volatiles

Client ID: SC-1

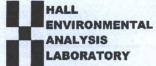
Batch ID: 32814

RunNo: 44294

Prep Date: 7/14/2017	Analysis D	Date: 7/	18/2017	8	SeqNo: 1	399651	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9597	0	101	80.9	132	0.874	20	
Toluene	0.94	0.048	0.9597	0.01598	96.8	79.8	136	1.87	20	
Ethylbenzene	0.96	0.048	0.9597	0.01601	98.0	79.4	140	2.56	20	
Xylenes, Total	2.9	0.096	2.879	0.01861	98.6	78.5	142	3.14	20	
Surr: 4-Bromofluorobenzene	1.1		0.9597		115	66.6	132	0	0	

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- **PQL** Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 15 of 15

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



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

	t Name:	Animas Environment	al Work Order Number	er: 1707627		RoptNo: 1	
	ved By:	Anne Thorne Erin Melendrez	7/13/2017 7:10:00 AI		an Ilm	-	
Revie	wed By:	ENM/ Mg	7/14/17				
Chair	n of Cus	tody					
1. C	ustody sea	als intact on sample bott	tles?	Yes	No 🗆	Not Present	
		Custody complete?		Yes 🗸	No 🗆	Not Present	
		e sample delivered?		Courier			
Log	<u>In</u>						
4. W	Vas an atte	empt made to cool the s	amples?	Yes 🗸	No 🗆	NA 🗆	
5. W	ere all sar	mples received at a tem	perature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. s	ample(s) i	n proper container(s)?		Yes 🗹	No 🗆		
7. Si	ufficient sa	mple volume for indicat	ed test(s)?	Yes 🗹	No 🗆		
8. Ar	re samples	(except VOA and ONG	6) properly preserved?	Yes 🗸	No 🗆		
9. W	as presen	vative added to bottles?		Yes 🗌	No 🔽	NA 🗆	
10.vo	OA vials ha	ave zero headspace?		Yes 🗌	No 🗆	No VOA Vials	
11. W	ere any s	ample containers receiv	red broken?	Yes	No 🗹	# of preserved	
12 0		water match bettle labeler	•	Yes 🗸	No 🗆	bottles checked for pH:	
	The second secon	work match bottle labels pancies on chain of cus		res 💌	140		>12 unless noted
		correctly identified on		Yes 🗹	No 🗆	Adjusted?	
		at analyses were reque		Yes 🗹	No 🗆		
		ding times able to be mo		Yes 🗹	No 🗆	Checked by:	-11.
naci	ial Hand	lling (if applicable	•				
		otified of all discrepanc		Yes 🗌	No 🗆	NA 🗹	
	Person	n Notified:	Date:				
	By Wh	nom:	Via:	eMail] Phone [Fax	☐ In Person	
	Regar	ding:					
	Client	Instructions:	Alderson and Andread and a state of the second as a state of the second and described	and any fire the New York and the particular of			
17. A	dditional r	emarks:					
18. C	Cooler Info	THE RESERVE OF THE PARTY OF THE	ion Seal Intact Seal No	Seal Date	Signed By		

Ch	ain-o	f-Cus	tody Record	Turn-Around 1	ime:									VT	D		0.4E		CAI	
Client:	Animas	s Enviro	nmental Services, LLC	X Standard	□ Rush												ME)R/			
Mailing Ad	dress:	604 W	Pinon St.	Project Name: DJR Man	us Compress	or Station		490	1 Ha							al.co	m M 87	109		
			gton, NM 87401	Project #:							5-39						4107			
Phone #:	505-564	The state of the s	gion, min or no r				180	T C	. 50	0-0-	-				eque		410			
Email or Fa	ax#:	emcnally	@animasenvironmental.co	Project Manag	er:				Т			П					\neg	T	T	
QA/QC Pac X Standar			☐ Level 4 (Full Validation)		E. McNally			15												
Accreditati			D across of the Panadadory	Sampler: SG				- 8015												
□ NELAP		□ Other		On Ice:	'Yes	□ No		0												
□ EDD (T				THE PARTY OF THE P	A CONTRACTOR OF THE PARTY OF TH	CF-1.8=2.5		MR												Z
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX - 8021B	TPH (GRO/DRO/MRO)												Air Bubbles (Y or N)
7/11/17	11:01	SOIL	SC-1	1 - 4 oz jar	cool	-001	Х	X												
7/11/17	11:05	SOIL	SC-2	1 - 4 oz jar	cool	-002	Х	Х												
7/11/17	11:08	SOIL	SC-3	1 - 4 oz jar	cool	-003	X	X												
7/11/17	11:12	SOIL	SC-4	1 - 4 oz jar	cool	-004	Х	X												
7/11/17	11:16	SOIL	SC-5	1 - 4 oz jar	cool	-005	Х	Х												
7/11/17	11:20	SOIL	SC-6	1 - 4 oz jar	cool	-006	Х	X					- 1							
7/11/17	11:43	SOIL	SC-7	1 - 4 oz jar	cool	-007	X	X												
7/11/17	11:46	SOIL	SC-8	1 - 4 oz jar	cool	-008	Х	Х												
7/11/17	11:50	SOIL	SC-9	1 - 4 oz jar	cool	-009	Х	Х												
																		\perp		\perp
		-																		
Date:	Time:	Relinquish	HI Glosoff	Received by:	hat	Date Time	Ren	narks:				all w	rith a	ny q	uest	ions				
7/12/17	1804	Mu	or Lack	Chin	- So	07/13/17														



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

July 19, 2017

Elizabeth McNally Animas Environmental Services 604 Pinon Street Farmington, NM 87401

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

RE: DJR Marus Compressor Station

OIL CONS. DIV DIST. 3

AUG 1 1 2017

OrderNo.: 1707627

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

Lab ID: 1707627-001

Client Sample ID: SC-1

Collection Date: 7/11/2017 11:01:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	S			Analys	t: MAB
Diesel Range Organics (DRO)	72	9.7	mg/Kg	1	7/18/2017 6:13:02 AM	32810
Motor Oil Range Organics (MRO)	60	49	mg/Kg	1	7/18/2017 6:13:02 AM	32810
Surr: DNOP	71.8	70-130	%Rec	1	7/18/2017 6:13:02 AM	32810
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/18/2017 10:24:04 PM	A 32814
Surr: BFB	96.1	54-150	%Rec	1	7/18/2017 10:24:04 PM	A 32814
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/18/2017 10:24:04 PM	A 32814
Toluene	ND	0.048	mg/Kg	1	7/18/2017 10:24:04 PI	A 32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/18/2017 10:24:04 PI	A 32814
Xylenes, Total	ND	0.096	mg/Kg	1	7/18/2017 10:24:04 Pf	A 32814
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	7/18/2017 10:24:04 PM	A 32814

Matrix: SOIL

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

Lab ID: 1707627-002

Client Sample ID: SC-2

Collection Date: 7/11/2017 11:05:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS	3			Analys	t: MAB
Diesel Range Organics (DRO)	200	10	mg/Kg	1	7/18/2017 6:37:36 AM	32810
Motor Oil Range Organics (MRO)	180	50	mg/Kg	1	7/18/2017 6:37:36 AM	32810
Surr: DNOP	76.0	70-130	%Rec	1	7/18/2017 6:37:36 AM	32810
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/18/2017 10:47:33 PM	A 32814
Surr: BFB	124	54-150	%Rec	1	7/18/2017 10:47:33 PM	A 32814
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/18/2017 10:47:33 PM	A 32814
Toluene	ND	0.048	mg/Kg	1	7/18/2017 10:47:33 PM	A 32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/18/2017 10:47:33 PM	A 32814
Xylenes, Total	ND	0.097	mg/Kg	1	7/18/2017 10:47:33 PM	A 32814
Surr: 4-Bromofluorobenzene	111	66.6-132	%Rec	1	7/18/2017 10:47:33 PM	A 32814

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

Lab ID: 1707627-003

Client Sample ID: SC-3

Collection Date: 7/11/2017 11:08:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3			Analys	t: MAB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/18/2017 7:02:19 AM	32810
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/18/2017 7:02:19 AM	32810
Surr: DNOP	71.0	70-130	%Rec	1	7/18/2017 7:02:19 AM	32810
EPA METHOD 8015D: GASOLINE RAM	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/19/2017 12:21:36 AM	A 32814
Surr: BFB	95.6	54-150	%Rec	1	7/19/2017 12:21:36 AM	A 32814
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 12:21:36 AM	A 32814
Toluene	ND	0.049	mg/Kg	1	7/19/2017 12:21:36 AM	A 32814
Ethylbenzene	ND	0.049	mg/Kg	1	7/19/2017 12:21:36 AM	A 32814
Xylenes, Total	ND	0.098	mg/Kg	1	7/19/2017 12:21:36 AM	A 32814
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	7/19/2017 12:21:36 AM	И 32814

Matrix: SOIL

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

DJR Marus Compressor Station

Lab ID: 1707627-004

Project:

Client Sample ID: SC-4

Collection Date: 7/11/2017 11:12:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	S			Analys	t: MAB
Diesel Range Organics (DRO)	20	9.3	mg/Kg	1	7/18/2017 7:26:54 AM	32810
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/18/2017 7:26:54 AM	32810
Surr: DNOP	76.2	70-130	%Rec	1	7/18/2017 7:26:54 AM	32810
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/19/2017 12:45:12 AM	1 32814
Surr: BFB	94.8	54-150	%Rec	1	7/19/2017 12:45:12 AN	32814
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Toluene	ND	0.048	mg/Kg	1	7/19/2017 12:45:12 AM	32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/19/2017 12:45:12 AN	32814
Xylenes, Total	ND	0.096	mg/Kg	1	7/19/2017 12:45:12 AN	32814
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	7/19/2017 12:45:12 AN	1 32814

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 4 of 15 J
- Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

DJR Marus Compressor Station

Lab ID: 1707627-005

Project:

Client Sample ID: SC-5

Collection Date: 7/11/2017 11:16:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	S			Analys	: MAB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/18/2017 7:51:35 AM	32810
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/18/2017 7:51:35 AM	32810
Surr: DNOP	71.4	70-130	%Rec	1	7/18/2017 7:51:35 AM	32810
EPA METHOD 8015D: GASOLINE RAN	NGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/19/2017 1:08:41 AM	32814
Surr: BFB	94.8	54-150	%Rec	1	7/19/2017 1:08:41 AM	32814
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 1:08:41 AM	32814
Toluene	ND	0.047	mg/Kg	1	7/19/2017 1:08:41 AM	32814
Ethylbenzene	ND	0.047	mg/Kg	1	7/19/2017 1:08:41 AM	32814
Xylenes, Total	ND	0.095	mg/Kg	1	7/19/2017 1:08:41 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132	%Rec	1	7/19/2017 1:08:41 AM	32814

Matrix: SOIL

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

1707627-006 Lab ID:

Client Sample ID: SC-6

Collection Date: 7/11/2017 11:20:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANIC	S			Analyst	: ТОМ
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/18/2017 4:02:52 PM	32836
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/18/2017 4:02:52 PM	32836
Surr: DNOP	84.6	70-130	%Rec	1	7/18/2017 4:02:52 PM	32836
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: BFB	94.9	54-150	%Rec	1	7/19/2017 1:32:10 AM	32814
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Toluene	ND	0.047	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Ethylbenzene	ND	0.047	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Xylenes, Total	ND	0.093	mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132	%Rec	1	7/19/2017 1:32:10 AM	32814

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 6 of 15 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

Lab ID: 1707627-007

Client Sample ID: SC-7

Collection Date: 7/11/2017 11:43:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analys	: TOM
Diesel Range Organics (DRO)	33	9.5	mg/Kg	1	7/18/2017 5:28:10 PM	32836
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/18/2017 5:28:10 PM	32836
Surr: DNOP	81.1	70-130	%Rec	1	7/18/2017 5:28:10 PM	32836
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: BFB	97.1	54-150	%Rec	1	7/19/2017 1:55:41 AM	32814
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Toluene	ND	0.049	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Ethylbenzene	ND	0.049	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Xylenes, Total	ND	0.097	mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132	%Rec	1	7/19/2017 1:55:41 AM	32814

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 7 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: DJR Marus Compressor Station

Lab ID: 1707627-008

Client Sample ID: SC-8

Collection Date: 7/11/2017 11:46:00 AM

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS	S			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/18/2017 5:57:35 PM	32836
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/18/2017 5:57:35 PM	32836
Surr: DNOP	71.6	70-130	%Rec	1	7/18/2017 5:57:35 PM	32836
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: BFB	98.1	54-150	%Rec	1	7/19/2017 2:19:08 AM	32814
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Toluene	ND	0.048	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Ethylbenzene	ND	0.048	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Xylenes, Total	ND	0.096	mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132	%Rec	1	7/19/2017 2:19:08 AM	32814

Matrix: SOIL

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 8 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-9

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:50:00 AM

Lab ID: 1707627-009

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANIC	S				Analyst	: том
Diesel Range Organics (DRO)	510	9.7		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Motor Oil Range Organics (MRO)	400	49		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Surr: DNOP	88.7	70-130		%Rec	1	7/18/2017 6:26:56 PM	32836
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	: NSB
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: BFB	151	54-150	S	%Rec	5	7/19/2017 2:42:40 AM	32814
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Toluene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Ethylbenzene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Xylenes, Total	ND	0.49	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: 4-Bromofluorobenzene	116	66.6-132	D	%Rec	5	7/19/2017 2:42:40 AM	32814

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

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 9 of 15
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Qual

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID	MB-32805

SampType: MBLK

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

Client ID:

PBS

Batch ID: 32805

RunNo: 44252

Prep Date:

7/14/2017

Analysis Date: 7/17/2017

SeqNo: 1397598

Units: %Rec

Analyte

Result

SPK value SPK Ref Val %REC

HighLimit %RPD **RPDLimit** 130

LowLimit Surr: DNOP 9.6 10.00 96.3

70

Sample ID LCS-32805 Client ID: LCSS

SampType: LCS

RunNo: 44252

Prep Date: 7/14/2017 Batch ID: 32805

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

Analyte

Analysis Date: 7/17/2017

5.0

Result

Result

Result

SPK value SPK Ref Val

SeqNo: 1397654

Units: %Rec

SPK value SPK Ref Val %REC %RPD **RPDLimit** I owl imit HighLimit Qual 5.000 100 70 130

Sample ID LCS-32810

SampType: LCS

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

Client ID: LCSS

Surr: DNOP

Batch ID: 32810

RunNo: 44252

%REC

95.0

Units: mg/Kg

114

Prep Date: 7/14/2017 Analysis Date: 7/17/2017 PQL

SeqNo: 1397734

LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) Surr: DNOP

47 10 50.00 4.5 5.000

90.1

130

Sample ID MB-32810 Client ID: PBS

SampType: MBLK Batch ID: 32810

PQL

RunNo: 44252

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

Prep Date: 7/14/2017

Analyte

Analysis Date: 7/17/2017

SeqNo: 1397735

Units: mg/Kg

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

Surr: DNOP

ND 10

ND 50

SPK value SPK Ref Val %REC LowLimit HighLimit

73.2

70

%RPD **RPDLimit**

Qual

SampType: MS

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

70

130

Sample ID 1707627-006AMS

Batch ID: 32836

9.7

POL

9.7

RunNo: 44282

93.0

Prep Date: 7/17/2017

Client ID: SC-6

9.3

Analyte

Analysis Date: 7/18/2017

SeqNo: 1399664

Units: mg/Kg

122

130

Diesel Range Organics (DRO)

Result

55.8

70

62 4.4

SPK value 48.40

4.840

48.40

10.00

%REC SPK Ref Val LowLimit 116

HighLimit

%RPD **RPDLimit**

Qual

Surr: DNOP Sample ID 1707627-006AMSD

SampType: MSD

91.8

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

%RPD

0.375

Client ID:

Prep Date:

SC-6

Diesel Range Organics (DRO)

7/17/2017

Batch ID: 32836

Result

63

Analysis Date: 7/18/2017 SeqNo: 1399665

SPK value SPK Ref Val %REC

6.281

6.281

RunNo: 44282

116

LowLimit

55.8

Units: mg/Kg

HighLimit

122

RPDLimit Qual 20

Analyte

Qualifiers: Value exceeds Maximum Contaminant Level.

D

Sample Diluted Due to Matrix

В

Analyte detected in the associated Method Blank E Value above quantitation range

Sample pH Not In Range

Page 10 of 15

H Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit

Practical Quanitative Limit

RI Reporting Detection Limit

J

P

Sample container temperature is out of limit as specified

Analyte detected below quantitation limits

PQL

% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

WO#:

RPDLimit

0

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID 1707627-006AMSD

SampType: MSD

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

Client ID: SC-6

Batch ID: 32836

RunNo: 44282

Prep Date: 7/17/2017

Analysis Date: 7/18/2017

SeqNo: 1399665

Units: mg/Kg

Analyte

Result PQL

SPK value SPK Ref Val

Surr: DNOP

4.5

4.840

%REC LowLimit

70

LowLimit

73.2

70

HighLimit

130

SampType: LCS

PQL

10

92.0

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

%RPD

%RPD

0

Client ID:

LCSS

Batch ID: 32836

RunNo: 44282

130

Prep Date: 7/17/2017

Analysis Date: 7/18/2017

SeqNo: 1399678

Units: mg/Kg

Analyte Diesel Range Organics (DRO)

Sample ID LCS-32836

Result

Qual

Surr: DNOP

54 4.4 SPK value SPK Ref Val 50.00 5.000

%REC 0 107 88.88

HighLimit 114 **RPDLimit** Qual

Sample ID MB-32836

Client ID: PBS SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 44282

Prep Date:

7/17/2017

Batch ID: 32836

Analysis Date: 7/18/2017

SeqNo: 1399679

Units: mg/Kg

Page 11 of 15

Analyte

Surr: DNOP

Result PQL ND 10

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

RPDLimit Qual

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

ND 8.4

50 10.00

84.4

70

130

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

DJR Marus Compressor Station

Project: DJR Man	rus Compressor	Station							
Sample ID MB-32828	SampType: I	MBLK	Test	tCode: EP	A Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch ID: 3	32828	R	RunNo: 44	294				
Prep Date: 7/17/2017	Analysis Date:	7/18/2017	S	SeqNo: 13	99599	Units: %Re	С		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960	1000		95.8	54	150			
Sample ID LCS-32828	SampType: I	LCS	Test	tCode: EP	A Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 3	32828	R	RunNo: 44	294				
Prep Date: 7/17/2017	Analysis Date:	7/18/2017	S	SeqNo: 13	99600	Units: %Re	С		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100	1000		105	54	150			
Sample ID LCSD-32828	SampType: I	LCSD	Test	tCode: EP	A Method	8015D: Gaso	line Rang	e	
Client ID: LCSS02	Batch ID: 3	32828	R	RunNo: 44	294				
Prep Date: 7/17/2017	Analysis Date:	7/18/2017	S	SeqNo: 13	99601	Units: %Re	С		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000						0	0	
							-	0	
Sample ID MB-32814	SampType: I	MBLK	Test	tCode: EP	A Method	8015D: Gaso			
Sample ID MB-32814 Client ID: PBS				tCode: EP		8015D: Gaso			
	SampType: I	32814	R		294	8015D: Gaso	oline Rang		
Client ID: PBS	SampType: I	32814 7/18/2017	R	RunNo: 44 SeqNo: 13	294 399613		oline Rang		Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO)	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5.	7/18/2017 SPK value 0	R	RunNo: 44 SeqNo: 13 %REC	294 299613 LowLimit	Units: mg/K	oline Rang	е	Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte	SampType: I Batch ID: 3 Analysis Date: Result PQL	32814 7/18/2017 SPK value	R	RunNo: 44 SeqNo: 13	294 399613	Units: mg/K	oline Rang	е	Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO)	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5.	32814 7/18/2017 SPK value 0 1000	R S SPK Ref Val	RunNo: 44 SeqNo: 13 %REC 98.2	294 899613 LowLimit	Units: mg/K	Sine Rang Sig	e RPDLimit	Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3	32814 7/18/2017 SPK value 0 1000 LCS 32814	SPK Ref Val Test	RunNo: 44 SeqNo: 13 %REC 98.2 tCode: EP	294 899613 LowLimit 54 A Method	Units: mg/K HighLimit 150 8015D: Gaso	oline Rang %RPD	e RPDLimit	Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I	32814 7/18/2017 SPK value 0 1000 LCS 32814	SPK Ref Val Test	RunNo: 44 GeqNo: 13 %REC 98.2	294 899613 LowLimit 54 A Method	Units: mg/K HighLimit	oline Rang %RPD	e RPDLimit	Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS Prep Date: 7/14/2017 Analyte	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3 Analysis Date: Result PQL	7/18/2017 SPK value 1000 LCS 32814 7/18/2017 SPK value	SPK Ref Val Test R S SPK Ref Val	8unNo: 44 6eqNo: 13 %REC 98.2 8Code: EP 8unNo: 44 6eqNo: 13	294 899613 LowLimit 54 2A Method 294 899614 LowLimit	Units: mg/K HighLimit 150 8015D: Gaso Units: mg/K HighLimit	oline Rang %RPD	e RPDLimit	Qual
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS Prep Date: 7/14/2017	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3 Analysis Date: Result PQL 24 5.	7/18/2017 SPK value 1000 1000 LCS 32814 7/18/2017 SPK value 0 25.00	SPK Ref Val Test	8unNo: 44 SeqNo: 13 %REC 98.2 tCode: EP sunNo: 44 SeqNo: 13	294 899613 LowLimit 54 2A Method 294 899614	Units: mg/K HighLimit 150 8015D: Gaso Units: mg/K HighLimit 125	oline Rang Kg %RPD oline Rang	e RPDLimit	
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3 Analysis Date: Result PQL 24 5. 1100	7/18/2017 SPK value 0 1000 LCS 32814 7/18/2017 SPK value 0 25.00 1000	SPK Ref Val Testi R S SPK Ref Val 0	98.2 Code: EP RunNo: 44 SeqNo: 13 %REC 96.6 107	294 899613 LowLimit 54 2A Method 294 899614 LowLimit 76.4 54	Units: mg/K HighLimit 150 8015D: Gaso Units: mg/K HighLimit 125 150	oline Rang Kg %RPD oline Rang Kg %RPD	e RPDLimit	
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1707627-002AMS	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3 Analysis Date: Result PQL 24 5. 1100 SampType: I	7/18/2017 SPK value 0 1000 LCS 32814 7/18/2017 SPK value 0 25.00 1000	SPK Ref Val Test SPK Ref Val 0	8unNo: 44 6eqNo: 13 %REC 98.2 Code: EP 8unNo: 44 6eqNo: 13 %REC 96.6 107	294 299613 LowLimit 54 294 299614 LowLimit 76.4 54	Units: mg/K HighLimit 150 8015D: Gaso Units: mg/K HighLimit 125	oline Rang Kg %RPD oline Rang Kg %RPD	e RPDLimit	
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1707627-002AMS Client ID: SC-2	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3 Analysis Date: Result PQL 24 5. 1100 SampType: I Batch ID: 3	7/18/2017 SPK value 0 1000 LCS 32814 7/18/2017 SPK value 0 25.00 1000 MS 32814	Test SPK Ref Val O Test R S SPK Ref Val O	98.2 Code: EP RunNo: 44 SeqNo: 13 %REC 96.6 107 Code: EP	294 899613 LowLimit 54 2A Method 294 899614 LowLimit 76.4 54 2A Method 294	Units: mg/K HighLimit 150 8015D: Gaso Units: mg/K HighLimit 125 150 8015D: Gaso	oline Rang Kg %RPD oline Rang Kg %RPD	e RPDLimit	
Client ID: PBS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID LCS-32814 Client ID: LCSS Prep Date: 7/14/2017 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1707627-002AMS	SampType: I Batch ID: 3 Analysis Date: Result PQL ND 5. 980 SampType: I Batch ID: 3 Analysis Date: Result PQL 24 5. 1100 SampType: I	7/18/2017 SPK value 0 1000 LCS 32814 7/18/2017 SPK value 0 25.00 1000 MS 32814 7/18/2017	Test SPK Ref Val O Test R S SPK Ref Val O	8unNo: 44 8eqNo: 13 %REC 98.2 8Code: EP 8unNo: 44 8eqNo: 13 %REC 96.6 107 8Code: EP 8unNo: 44 8eqNo: 13	294 299613 LowLimit 54 294 299614 LowLimit 76.4 54 294 299617	Units: mg/K HighLimit 150 8015D: Gaso Units: mg/K HighLimit 125 150	oline Rang Kg %RPD oline Rang Kg %RPD	e RPDLimit	

Qualifiers:

Surr: BFB

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

4.9

24.63

985.2

23

1200

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

Gasoline Range Organics (GRO)

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

77.8

54

128

150

E Value above quantitation range

80.9

126

J Analyte detected below quantitation limits

Page 12 of 15

P Sample pH Not In Range

2.963

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID 1707627-002AMSD

SampType: MSD

TestCode: EPA Method 8015D: Gasoline Range

Client ID: SC-2

Batch ID: 32814

RunNo: 44294

Prep Date: 7/14/2017

Analysis Date: 7/18/2017

SeqNo: 1399618

Units: mg/Kg

	Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
١	Gasoline Range Organics (GRO)	26	5.0	24.85	2.963	94.3	77.8	128	14.2	20	
	Surr: BFB	1200		994.0		121	54	150	0	0	

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 13 of 15

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

/IB-32828

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

LowLimit

LowLimit

LowLimit

TestCode: EPA Method 8021B: Volatiles

66.6

66.6

Client ID:

PBS

Batch ID: 32828

RunNo: 44294

Prep Date:

7/17/2017

Analysis Date: 7/18/2017

SeqNo: 1399633

108

%REC

Units: %Rec HighLimit

Analyte

POL

132

RPDLimit Qual

Surr: 4-Bromofluorobenzene

1.1

1.000

1.000

1.000

SPK value SPK Ref Val

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

SampType: LCS Batch ID: 32828

RunNo: 44294

Prep Date: 7/17/2017

Analysis Date: 7/18/2017

SeqNo: 1399634

Units: %Rec

Analyte

Sample ID LCS-32828

Result

1.1

Result

SPK value SPK Ref Val

HighLimit

RPDLimit

Surr: 4-Bromofluorobenzene

SampType: LCSD

SPK value SPK Ref Val %REC

TestCode: EPA Method 8021B: Volatiles

132

%RPD

%RPD

%RPD

%RPD

%RPD

0

Qual

Qual

Sample ID LCSD-32828

Client ID: LCSS02

Result

Batch ID: 32828

PQL

RunNo: 44294

%REC

111

Prep Date: 7/17/2017 Analysis Date: 7/18/2017

SeqNo: 1399635

Units: %Rec HighLimit

RPDLimit

Analyte

Surr: 4-Bromofluorobenzene

PQL 1.1

111 66.6

132

Sample ID MB-32814

Client ID: PRS SampType: MBLK Batch ID: 32814

Analysis Date: 7/18/2017

RunNo: 44294

Prep Date:

7/14/2017

Units: mg/Kg

Analyte

Result PQL SPK value SPK Ref Val %REC LowLimit

SeqNo: 1399647

HighLimit

RPDLimit Qual

Benzene

ND 0.025 ND 0.050

Toluene Ethylbenzene

1.000

1.000

1.000

1.000

3.000

1.000

113

66.6

132

Surr: 4-Bromofluorobenzene Sample ID LCS-32814

SampType: LCS

ND

ND

1.1

0.050

0.10

TestCode: EPA Method 8021B: Volatiles

RunNo: 44294

97.5

96.2

97.6

98.2

113

Prep Date: 7/14/2017

Xylenes, Total

Client ID: LCSS

Batch ID: 32814

0.97

0.96

0.98

2.9

1.1

RPDLimit

Page 14 of 15

Qual

Surr: 4-Bromofluorobenzene

Analysis Date: 7/18/2017

0.050

0.050

0.10

SeqNo: 1399648

Units: mg/Kg

Analyte Benzene Toluene Ethylbenzene

Xylenes, Total

Result PQL SPK value SPK Ref Val 0.025

%REC

0

0

LowLimit

HighLimit

80 120 80 120 80 120 80 120

132

Qualifiers:

ND

- Value exceeds Maximum Contaminant Level.
- Holding times for preparation or analysis exceeded H

% Recovery outside of range due to dilution or matrix

D Sample Diluted Due to Matrix

Not Detected at the Reporting Limit

Practical Quanitative Limit

- В
- E J
- P
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#:

1707627

19-Jul-17

Client:

Animas Environmental Services

Project:

DJR Marus Compressor Station

Sample ID 1707627-001AMS	SampT	SampType: MS			TestCode: EPA Method 8021B: Volatiles					
Client ID: SC-1	Batch ID: 32814			F	RunNo: 4	4294				
Prep Date: 7/14/2017	Analysis D	ate: 7/	18/2017	S	SeqNo: 1	399650	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9728	0	100	80.9	132			
Toluene	0.96	0.049	0.9728	0.01598	97.3	79.8	136			
Ethylbenzene	0.98	0.049	0.9728	0.01601	99.2	79.4	140			
Xylenes, Total	2.9	0.097	2.918	0.01861	100	78.5	142			
Surr: 4-Bromofluorobenzene	1.1		0.9728		116	66.6	132			

Sample ID 1707627-001AM	SD SampType: MSD			Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: SC-1	Batch	Batch ID: 32814			RunNo: 44294					
Prep Date: 7/14/2017	Analysis D	ate: 7/	18/2017	5	SeqNo: 1	399651	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9597	0	101	80.9	132	0.874	20	
Toluene	0.94	0.048	0.9597	0.01598	96.8	79.8	136	1.87	20	
Ethylbenzene	0.96	0.048	0.9597	0.01601	98.0	79.4	140	2.56	20	
Xylenes, Total	2.9	0.096	2.879	0.01861	98.6	78.5	142	3.14	20	
Surr: 4-Bromofluorobenzene	1.1		0.9597		115	66.6	132	0	0	

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 15 of 15

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



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name:	Animas Environmental	Work Order Numb	er: 1707627		RoptNo: 1
Received By:	Anne Thorne	7/13/2017 7:10:00 A	М	anne Am	
Completed By:	Erin Melendrez	7/13/2017 11:53:15	AM	una	7
Reviewed By:	ENMITT	7/14/17			
Chain of Custo	ody				
1. Custody seals	intact on sample bottles?		Yes	No 🗌	Not Present
2. Is Chain of Cu	stody complete?		Yes 🗹	No 🗌	Not Present
3, How was the s	sample delivered?		Courier		
Log In					
4. Was an attern	npt made to cool the sampl	es?	Yes 🗹	No 🗆	NA 🗆
5. Were all samp	ples received at a temperal	cure of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆
6. Sample(s) in	proper container(s)?		Yes 🗹	No 🗆	
7. Sufficient sam	ple volume for indicated te	st(s)?	Yes 🗹	No 🗆	
8. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗆	
9. Was preserva	tive added to bottles?		Yes	No 🗹	NA 🗆
10.VOA vials hav	re zero headspace?		Yes	No 🗆	No VOA Vials
11. Were any san	nple containers received be	roken?	Yes	No 🗹	# of preserved
	ork match bottle labels? ancies on chain of custody		Yes 🗹	No 🗆	bottles checked for pH: (<2 or >12 unless no
	correctly identified on Chair		Yes 🗸	No 🗆	Adjusted?
14. Is it clear what	t analyses were requested	?	Yes 🗹	No 🗆	
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗆	Checked by:
Snacial Handli	ing (if applicable)				
	tified of all discrepancies w	ith this order?	Yes	No 🗆	NA 🗹
Person		Date			
By Who	m:	Via:	,	Phone Fax	In Person
Regardii	ng:				MANAGEMENT OF THE PROPERTY OF
Client In	structions:				orthogodological Albertino Albertino and India and Albertino and Alberti
17. Additional ren	marks:			* * ****** ** * * * * * * * * * * * *	
18. Cooler Inform	· · · · · · · · · · · · · · · · · · ·	Continue Continue	Cont Data	Cinnad Bu	
Cooler No		Seal Intact Seal No Yes	Seal Date	Signed By	

Ch	ain-o	f-Cust	tody Record	Turn-Around Time:										\/T	-						
Client:	Animas	Enviro	nmental Services, LLC	X Standard	□ Rush						AL NA										
				Project Name:					SEP		www	,hal	lenvi	ronr	ment	al.co	m				
Mailing Add	dress:	604 W	Pinon St.	DJR Marus Compressor Station				4901 Hawkins NE - Albuquerque, NM 87109													
		Farming	gton, NM 87401	Project #:	Tel. 505-345-3975 Fax 505-345-4107																
Phone #:	505-564	-2281				¥*				12.7	141	Ana	alysi	s Re	eque	st				7	
Email or Fa	ax#:	emcnally	@animasenvironmental.co	Project Manag	er:														\top		
QA/QC Paci	kage:				E. McNally																
X Standar	d		☐ Level 4 (Full Validation))				8015													
Accreditati	on:			Sampler: SG	Invite a																
☐ NELAP	mal	□ Other		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Yes	□ No -CF-1.8=2.5		MRC													Î
- LOD (1)	ype)			Oampie Temp	ciature.	CF-1.8; CG	8	RO/													7
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX - 8021B	TPH (GRO/DRO/MRO)													Air Bubbles (Y or N)
7/11/17	11:01	SOIL	SC-1	1 - 4 oz jar	cool	-001	Х	Х									\top	\exists	\exists		
7/11/17	11:05	SOIL	SC-2	1 - 4 oz jar	cool	-002	X	Х									\neg	\neg	\exists		\Box
7/11/17	11:08	SOIL	SC-3	1 - 4 oz jar	cool	-003	Х	Х									\neg	\Box	\Box		
7/11/17	11:12	SOIL	SC-4	1 - 4 oz jar	cool	-004	Х	Х									\Box	\neg			
7/11/17	11:16	SOIL	SC-5	1 - 4 oz jar	cool	-005	Х	Х						\Box							
7/11/17	11:20	SOIL	SC-6	1 - 4 oz jar	cool	-006	Х	X													
7/11/17	11:43	SOIL	SC-7	1 - 4 oz jar	cool	-007	Х	Х													
7/11/17	11:46	SOIL	SC-8	1 - 4 oz jar	copl	-008	Х	Х													
7/11/17	11:50	SOIL	SC-9	1 - 4 oz jar	cool	-009	Х	Х													
																				2	
Dete:	Time:	Relinquish	ed by: W. Horeoff	Received by:	Wast	Date Time 7/12/17/1622	Ren	narks	s: Bil	II to A											
Date: 1	Time:	Relinquish	du Lack	Received by:		Date Time 37//3//7 07/ a					ase o										
E r	necessary, se	amples submi	tted to Hall Environmental may be sub	contracted to other a	ccredited laborator	ries. This serves as notice of	f this p	ossibi	lity. A	my sut	-contr	acted	data w	ill be r	clearly	nctate	d on th	he ana	nlytica	Гера	t.

			Lab	oratory An	alytical Res	ults			LEGEND
			Depth	Benzene	Total	TPH -	TPH -	TPH -	
	Sample ID	Date	(ft)	(mg/kg)	BTEX	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	SAMPLE LOCATIONS SECONDARY CONTAINMENT
	NMOCD	ACTION LE	VFI	10	(mg/kg) 50	(mg/kg)	5,000	(mg/kg)	BERM
	SC-1	7/11/17	0 to 9	<0.024	<0.216	<4.8	72	60	—× — FENCE
	SC-2	7/11/17	0 to 9	<0.024	<0.217	<4.8	200	180	
	SC-3	7/11/17	0 to 9	<0.024	<0.220	<4.9	<10	<50	
	SC-4	7/11/17	0 to 9	<0.024	<0.216	<4.8	20	<47	
	SC-5 SC-6	7/11/17 7/11/17	0 to 9	<0.024	<0.213	<4.7 <4.7	<9.9 <10	<50 <50	
	SC-7	7/11/17	0 to 4.5	<0.023	<0.210	<4.9	33	<48	
	SC-8		0 to 4.5	<0.024	<0.246	<4.8	<9.5	<48	
	SC-9	7/11/17	4.5	<0.12	<1.11	30	510	400	SERVICE ROAD
	ALL SOIL CON	APOSITE SAI	MPLES W	ERE ANALY	ZED PER US	EPA METHO	OD 8021B AN	ID 8015D.	"VICE PE
									TOAD
l								£	
x									
	-x -x-						FV	AVATED AF	OFA.
		-x-	x						T L x 9 FT DEEP
			_x	_x_			1 23		
					-xx				
					5	C-2-x-	~x.		
		/	SC-7		1.		X		
		. /			1			^	-xv
					į,		_	C-1	FORMER BELOW GRADE TANK
				C 0 0				_	RELEASE LOCATION
	\	\	S	C-9 ●					N36.24568, W107.53751
				/	1				
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			SC-8						×
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					SC-	3			
								SC-4	×
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	(1114011 = 1	01221)							ĵ
				M					
					DRAWN		DATE DRA		FIGURE 3
	Allen ?	anima	S		S. Glas		July 12, 2	01/	
		enviro		ntal	REVISION	IS BY:	DATE REV		FINAL EXCAVATION SAMPLE
	177			iitai	C. Lame	man	July 20, 2	017	LOCATIONS AND RESULTS
I AFS	5 / 1 5	service	25		CHECKE	D BY:	DATE CHEC	KED:	JULY 2017 DJ RECSOURCES
1	F	armington, N	M • Dura	ngo, CO	E. McN	ally	July 20, 2	017	MARCUS COMPRESSOR STATION
	a	nimasenviror	nmental.co	m	APPROVE	D BY:	DATE APPR	OVED:	NE¼ NE¼, SECTION 11, T23N, R7W
					E. McN	MIN. C. O. N.	July 20, 2	00 100011-0110	RIO ARRIBA COUNTY, NEW MEXICO N36.24546, W107.53805
						,	,, -		1430.24340, W107.33803

