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State of New Mexico **Energy Minerals and Natural Resources**

> Oil Conservation Division 1220 South St. Francis Dr.

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

1220 S. St. Frar	icis Dr., Santa	a Fe, NM 87505	5	Sa	anta F	e, NM 875	05					
			Rele	ease Notific	catio	n and Co	orrective A	ctio	1	··		
						OPERA	FOR		🔲 Initia	al Report	\boxtimes	Final Report
Name of Co	ompany B	urlington Res	sources O	il &Gas Compan	ıy	Contact Cr	ystal Tafoya					• ···
Address 34	01 East 30	" St, Farmin	gton, NM 1468	1		Telephone N	No.(505) 326-98	337				
			1405			racinty Typ						
Surface Ow	ner BLM		,	Mineral C	Owner :	BLM (SF-07	/8472)		API No	.30-045-31	837	
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter M	Section 23	Township 32N	Range 7W	Feet from the	North	South Line	Feet from the	East/	West Line	County San Juan		
	-			L offerdo 20	6 0612	A Longitud	107 54005	I	West	Ban Juan		
				Latitude <u>5</u>	0.9013		le <u>107.54095</u>					
Tupo of Pole	Dana Drog	Jucod Water		NAT	URE	Volume of	EASE		Volumo I	Decovered	2 hh	Ja
Source of Re	elease Wa	ter Tank				Date and H	lour of Occurrenc	ns 	Date and	Hour of Dise	2 DD	115
						Unknown			10/4/12 a	t 4:12pm		
was Immedi	late Notice C		Yes 🗌] No 🖾 Not Re	equired		whom?					
By Whom?					•	Date and F	lour					
Was a Water	Was a Watercourse Reached?						olume Impacting t	he Wat	ercourse.			
				N0								
If a Waterco N/A	urse was Im	pacted, Descr	ibe Fully.	*					N N	JVD NUV : III (CONC	28'1' DILL	2
									Ű	יוב סטויט. חזכד	01v. Q	
Describe Ca	use of Probl	em and Reme	dial Actio	n Taken.*							0	
The 500bbl	water tank	developed a	leak relea	sing 11 bbls prod	duced v	water, 2 bbls	were recovered.	Fluid	remaining i	n the tank v	vas rei	noved.
Describe An			A ation Tal	*			······					
Confirmation	on sampling	g was conduct	ted by a t	hird party. Anal	lytical r	esults for the	BTEX and TPH	l were	below the r	egulatory st	andar	ds set forth
in the NMO	CD Guideli	ines for Reme	ediation o	f Leaks, Spills ar	nd Rele	ases. Chlorid	les testing was co	onduct	ed for infor	mation pur	poses a	and I for your
review.		action level v	vinch win	be treated at mi	ai recia	ination. No i	urther action is	neeueu	. The lina	report is a	tacheu	l lor your
I hereby cert	ify that the i	information gi	iven above	e is true and comp	elease r	the best of my	knowledge and u	indersta	and that purs	suant to NM	OCD ri may er	iles and
public health	or the envi	ronment. The	acceptan	ce of a C-141 repo	ort by th	ne NMOCD m	arked as "Final R	eport"	does not rel	ieve the oper	ator of	liability
should their	operations h	ave failed to a	adequately	investigate and r	emedia	te contaminati	on that pose a thr	eat to g	round water	r, surface wa	ter, hu	man health
federal, state	, or local lay	ws and/or regu	ilations.					respons				
			Si				<u>OIL CON</u>	<u>SERV</u>	ATION	DIVISIC	<u>DN</u>	
	Cysta	la. Taj	loya						Λ.	$\Lambda \cap I$	///	
Signature:	<u> </u>		0			Approved by	Environmental S	pecialis	st: Jone	JAD / K	M	r
Printed Nam	e: Crystal	Ta <u>foya</u>		=				·····			()
Title: Field	Environme	ntal Speciali	st			Approval Dat	e: 6/6/2017	3	Expiration	Date:		
hipporta bate. g g me s papination bate.												
E-mail Addr	ess: crystal.	tafoya@conoc	cophillips.	com		Conditions of	f Approval:			Attached		
Date: 11/28/	/2012	Phone	: (505) 32	6-9837								
⁴ Attach Addi	itional Shee	ets If Necess	ary		1315754964							



Animas Environmental Services, LLC

www.animasenvironmental.com

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

> Durango, Colorado 970-403-3274

November 20, 2012

Crystal Tafoya ConocoPhillips San Juan Business Unit Office 214-05 5525 Hwy 64 Farmington, New Mexico 87401

RE: Produced Water Release Report Allison Unit Com #146S San Juan County, New Mexico

Dear Ms. Tafoya:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the 11 barrel (BBL) produced water release at the ConocoPhillips (CoP) Allison Unit Com #146S, located in San Juan County, New Mexico.

1.0 Site Information

1.1 Location

Site Name – Allison Unit Com #146S Legal Description – SW¼ SW¼, Section 23, T32N, R7W, San Juan County, New Mexico Well Latitude/Longitude – N36.96138 and W107.54166, respectively Release Latitude/Longitude – N36.96118 and W107.54130, respectively Land Jurisdiction – Bureau of Land Management (BLM) Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, October 2012

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a C-144 dated June 2004 reported depth to groundwater to be greater than 50 feet but less than 100 feet ground surface (bgs). The New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location. Additionally, Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (<u>http://ford.nmt.edu/react/project.html</u>) were accessed to aid in the identification of downgradient surface water.

Crystal Tafoya Allison Unit Com #146S Produced Water Release Report November 20, 2012 Page 2 of 4

Once on site, AES personnel further assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was between 50 feet and 99 feet bgs. A tributary to the wash in Ulibarri Canyon is located approximately 425 feet north of the location, and a livestock pond is located approximately 700 feet northeast of the location. Based on this information, the location was assessed a ranking score of 20.

1.3 Produced Water Release Assessment

AES was initially contacted by Crystal Tafoya, CoP representative, on October 9, 2012, and on the same day, Heather Woods and Zachary Trujillo of AES traveled to the location. AES personnel collected one 5-point composite soil sample at the surface of the release for laboratory analysis.

2.0 Soil Sampling

On October 9, 2012, AES personnel collected one 5-point composite soil sample (SC-1) from the surface around the two produced water tanks. Soil sample SC-1 was submitted for confirmation laboratory analysis. The soil sample location is included on Figure 2.

2.1 Laboratory Analyses

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

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- Total petroleum hydrocarbons (TPH) for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B;
- Chloride per USEPA Method 300.0.

2.2 Laboratory Analytical Results

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 below the laboratory detection limits of 0.048 mg/kg and 0.24 mg/kg, respectively. TPH concentrations were reported less than 4.8 mg/kg GRO and less than 9.9 mg/kg DRO. The laboratory chloride concentration was reported at 1,800 mg/kg. Laboratory

analytical results are summarized in Table 1 and included on Figure 2. Laboratory analytical reports are attached.

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Chlorides (mg/kg)
NMO	OCD Action Level		10	50	1	00	250
SC-1	10/9/12	0.5	<0.048	<0.24	<4.8	<9.9	1,800

Table 1.	Soil Laboratory Analytical Results	
llison Unit Com #2	146S Produced Water Release, October	201

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

3.0 Conclusions and Recommendations

NMOCD action levels for releases are specified in NMOCD's *Guidelines for Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 20. The benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. TPH concentrations as GRO/DRO were also below the NMOCD action level of 100 mg/kg. However, the chloride concentration for SC-1 exceeded the NMOCD action level of 250 mg/kg with 1,800 mg/kg.

Based on laboratory results, residual soil concentrations exceeded NMOCD action levels for chlorides. Release notification and abatement should follow the protocols specified under *NMOCD Guidelines for Leaks, Spills, and Releases (August 1993)*. If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,

Aleather M. Woods

Heather M. Woods Staff Geologist

U. Johith V Mi Nolly

Elizabeth McNally, P.E.

Crystal Tafoya Allison Unit Com #146S Produced Water Release Report November 20, 2012 Page 4 of 4

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, October 2012 Hall Analytical Report 1210530

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

October 23, 2012

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

RE: Allison Unit Com #146S

OrderNo.: 1210530

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/10/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

andis

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1210530 Date Reported: 10/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project:Allison Unit Com #146SLab ID:1210530-001

Client Sample ID: SC-1 Collection Date: 10/9/2012 12:05:00 PM Received Date: 10/10/2012 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	GE ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	10/11/2012 10:30:01 AM
Surr: DNOP	97.8	77.6-140	%REC	1	10/11/2012 10:30:01 AM
EPA METHOD 8015B: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2012 4:14:28 PM
Surr: BFB	86.6	84-116	%REC	1	10/19/2012 4:14:28 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	10/19/2012 4:14:28 PM
Toluene	ND	0.048	mg/Kg	1	10/19/2012 4:14:28 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2012 4:14:28 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/19/2012 4:14:28 PM
Surr: 4-Bromofluorobenzene	93.8	80-120	%REC	1	10/19/2012 4:14:28 PM
EPA METHOD 300.0: ANIONS					Analyst: SRM
Chloride	1800	75	mg/Kg	50	10/15/2012 11:23:20 AM

Matrix: SOIL

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1210530

Client: Animas Environmental Services **Project:** Allison Unit Com #146S Sample ID MB-4275 SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBS Batch ID: 4275 RunNo: 6211 Prep Date: 10/12/2012 Analysis Date: 10/12/2012 SeqNo: 178880 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Chloride ND 1.5 Sample ID LCS-4275 SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 4275 RunNo: 6211 Prep Date: 10/12/2012 Analysis Date: 10/12/2012 SeqNo: 178881 Units: mg/Kg Result SPK value SPK Ref Val %REC %RPD RPDLimit Analyte PQL LowLimit HighLimit Qual Chloride 14 1.5 15.00 95.7 90 0 110 Sample ID 1210668-002AMS SampType: MS TestCode: EPA Method 300.0: Anions Client ID: BatchQC Batch ID: 4275 RunNo: 6211 Prep Date: 10/12/2012 Analysis Date: 10/12/2012 SeqNo: 178893 Units: mg/Kg Analyte SPK value SPK Ref Val %REC LowLimit %RPD RPDLimit Result PQL HighLimit Qual Chloride 1100 30 15.00 1010 580 64.4 117 S Sample ID 1210668-002AMSD SampType: MSD TestCode: EPA Method 300.0: Anions Client ID: BatchQC Batch ID: 4275 RunNo: 6211

Prep Date: 10/12/2012 Analysis Date: 10/12/2012 SeqNo: 178894 Units: mg/Kg %REC %RPD **RPDLimit** Analyte Result POL SPK value SPK Ref Val HighLimit LowLimit Qual 980 Chloride 30 15.00 1010 -192 64.4 117 11.2 20 S

Oualifiers:

* Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH greater than 2

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

23-Oct-12

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	12
	23-6

Client: Animas Project: Allison	Environmental Serv Unit Com #146S	vices								
Sample ID MB-4226	SampType: MB	LK	Tes	tCode: EF	PA Method	8015B: Diese	el Range C	Organics		
Client ID: PBS	Batch ID: 422	Batch ID: 4226 RunNo: 6108								
Prep Date: 10/10/2012	Analysis Date: 10	/10/2012	S	76584	Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND 10									
Surr: DNOP	8.7	10.00		87.4	77.6	140				
Sample ID LCS-4226	SampType: LC	s	Test	tCode: EF	PA Method	8015B: Diese	el Range C	Drganics		
Client ID: LCSS	Batch ID: 422	26	R	RunNo: 61	108					
Prep Date: 10/10/2012	Analysis Date: 10	/10/2012	2012 SeqNo: 176585 Units: mg/Kg							
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	48 10	50.00	0	96.8	52.6	130				
Surr: DNOP	4.0	5.000		79.7	77:6	140	•			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

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

Page 3 of 5

1210530 23-Oct-12

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Animas Environmental Services

4500

Project:	Allison U	nit Com #	146S								
Sample ID	MB-4282	SampT	ype: MI	ЗLK	Tes	tCode: E	PA Method	8015B: Gaso	line Rang	e	
Client ID:	PBS	Batch	n ID: 42	82	F	RunNo: 6	371				
Prep Date:	10/12/2012	Analysis D)ate: 10	0/19/2012	S	SeqNo: 1	83155	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		910		1000		91.4	84	116			
Sample ID	LCS-4282	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015B: Gaso	line Rang	e	
Client ID:	LCSS	Batch	n ID: 42	82	F	RunNo: 6	371				
Prep Date:	10/12/2012	Analysis D	ate: 1	0/19/2012	S	SeqNo: 1	83156	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	5.0	25.00	0	93.8	74	117			
Surr: BFB		960		1000		96.4	84	116			
Sample ID	1210668-001AMS	SampT	ype: MS	<u> </u>	Tes	tCode: E	PA Method	8015B: Gaso	line Rang	e	
Client ID:	BatchQC	Batch	n ID: 42	82	F	RunNo: 6	371				
Prep Date:	10/12/2012	Analysis D	ate: 1	0/19/2012	S	SeqNo: 1	83162	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	24	23.63	6.612	71.0	70	130			

Sample ID 1210668-001AMS	TestCode: EPA Method 8015B: Gasoline Range											
Client ID: BatchQC Batch ID: 4282				7	RunNo: 6371							
Prep Date: 10/12/2012 Analysis Date: 10/19/2012)/19/2012	S	SeqNo: 1	٢g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	24	23.61	6.612	65.0	70	130	0	22.1	S		
Surr: BFB	4300		4721		90.4	84	116	0	0			

96.1

84

116

4726

Qualifiers:

Client:

Surr: BFB

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

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

Page 4 of 5

WO#: 23-Oct-12

1210530

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.													
Client: Project:	Animas E Allison U	nvironme nit Com #	ntal Ser 146S	vices	·····								
Sample ID MB-	-4282	SampT	Гуре: МЕ	3LK	Tes	tCode: E	PA Method	8021B: Vola	tiles				
Client ID: PBS	6	Batcl	h ID: 42	82	F	RunNo: 6	371						
Prep Date: 10	/12/2012	Analysis D	Date: 10	0/19/2012	S	BeqNo: 1	83185	Units: mg/k	ζg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		ND	0.050										
Toluene		ND	0.050										
Ethylbenzene		ND	0.050										
Xylenes, Total		ND	0.10										
Surr: 4-Bromofluor	robenzene	1.0		1.000		103	80	120					
Sample ID LCS	5-4282	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Client ID: LCS	SS	Batcl	h ID: 42	82	F	RunNo: 6	371						
Prep Date: 10/	/12/2012	Analysis D	Date: 10	0/19/2012	SeqNo: 183186 Units: mg/Kg								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		1.0	0.050	1.000	0	102	76.3	-117					
Toluene		1.0	0.050	1.000	0	104	80	120					
Ethylbenzene		1.1	0.050	1.000	0	106	77	116					
Xylenes, Total		3.2	0.10	3.000	0	106	76.7	117					
Surr: 4-Bromofluor	robenzene	1.1		1.000		106	80	120					
Sample ID 1210	0530-001AMS	Samp1	Type: MS	3	Tes	tCode: El	PA Method	8021B: Volat	tiles				
Client ID: SC-	1	Batcl	h ID: 42	82	F	RunNo: 6	371						
Prep Date: 10/12/2012 Analysis Date: 10/19/2012 SeqNo: 183190 Units: mg/Kg													
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.83	0.048	0.9524	0	87.5	67.2	113					
Toluene		0.84	0.048	0.9524	0	88.3	62.1	116					
Ethylbenzene		0.85	0.048	0.9524	0	88.9	67.9	127					
Xylenes, Totai		2.5	0.095	2.857	0	89.1	60.6	134					
Surr: 4-Bromofluor	robenzene	0.95		0.9524		99.4	80	120					

Sample ID 1210530-001AMSI	D SampT	ype: MS	D	Tes	tCode: E	PA Method	8021B: Volat	tiles			
Client ID: SC-1	Batch	h ID: 42	82	F	RunNo: 6	371					
Prep Date: 10/12/2012	Analysis D	Date: 10)/19/2012	S	SeqNo: 1	83191	Units: mg/K	ίg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.047	0.9497	0	92.3	67.2	113	5.09	14.3		
Toluene	0.89	0.047	0.9497	0	93.3	62.1	116	5.18	15.9		
Ethylbenzene	0.89	0.047	0.9497	0	94.1	67.9	127	5.41	14.4		
Xylenes, Total	2.7	0.095	2.849	0 93.8 60.6			134	4.80	12.6		
Surr: 4-Bromofluorobenzene	0.94		0.9497		98.5	80	120	0	0		

Qualifiers:

* Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

J Analyte detected below quantitation limits

Р Sample pH greater than 2 В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits WO#: 1210530

HALL Hall Envi ENVIRONMENTAL ANALYSIS LABORATORY TEL: 50: Websit	ironmental Ana 49 Albuque 5-345-3975 FAY te: www.hallen	lysis Lal 201 Haw rque, NI K: 505-3 vironmet	boratory kins NE M 87105 45-410; stal.con	Sa	ample Log-In C	heck List
Client Name: Animas Environmental	Work	Order	Number	1210	530	nta da la companya da panana a da
Received by/date: LM 10/10/12		_				
Logged By: Michelle Garcia 10/10/2012 9	:40:00 AM		-1)	June (forcie	
Completed By: Michelle Garcia 10/10/2012 1	0:05:05 AM		-11	jinu (price)	
Reviewed By: TO 16/10/17					•	
Chain of Custody						
1. Were seals intact?	Y	es 🗌	No 🗆	l na	ot Present 🗹	
2. Is Chain of Custody complete?	Y	'es 🗹	No 🗄) N	ot Present 🗀	
3. How was the sample delivered?	<u>c</u>	ourier				
<u>Log In</u>	/					
4. Coolers are present? (see 19. for cooler specific informati	on) Y	es 🗹	No []	na 🗆	
5. Was an attempt made to cool the samples?	Y	es 🗹	No 🗌]	NA 🗆	
6. Were all samples received at a temperature of $>0^\circ$ C to 6	5.0°C Y	es 🗹	No []]	NA 🗍	
7. Sample(s) in proper container(s)?	Y	es 🗹	No 🗆]		
8. Sufficient sample volume for indicated test(s)?	Y	es 🗹	No 🗌]	,	
g. Are samples (except VOA and ONG) properly preserved?	Y	es 🗹	No 🗋]	_	
10. Was preservative added to bottles?	Y	es 🗌	No 🗹]	na 🗋	
11. VOA vials have zero headspace?	Y	es 🗌	No 🗆	No	VOA Vials 🗹	
12. Were any sample containers received broken?	Y	es 🗆	No 🗹		·	
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 	. Y	es 🗹	No 🗆		# of preserved bottles checked for pH:	
14. Are matrices correctly identified on Chain of Custody?	Y	es 🗹			(<2 or >1)	2 unless noted)
15. Is it clear what analyses were requested?	Y	es 🗹	No L		Adjusted?	
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Y	es ⊻	No 🖄		Checked by:	
Special Handling (if applicable)		m	[
17. Was client notified of all discrepancies with this order?	Y	es 🗆	No L	 	NA 1⊻1	1
Person Notified:	Date:					
By Whom:	Via: 📋 e	Mail [_ Phon	e [F	ax [] In Person	
Client Instructions:	<u> </u>				Aires since some all the air and a second	
18. Additional remarks:					· · · · · · · · · · · · · · · · · · ·	ļ
10. Cooler Information						
Cooler No Temp °C Condition Seal Intact Se.	al No Seal	Date	Sia	ned Bv	· •	
1 3.3 Good Yes			1			

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C	Chain-of-Custody Record				Turn-Around Time:					8_	8 a i	88		BIN	7 T IC	3	R. 8	AE		'A I	
Client:	Aníma	s Envi	roumental Services	🕅 🕅 Standard	🗆 Rust	۱				r A	e <i>d</i> a. N.N.	l. Al	Y!	sis	s I.		BO	RA	ATC)R`	Y
				Project Name	e: CoP			Ĩ.		4	ww.w	v.hal	llenv	/ironi	ment	tal.co	om				
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email o	r Fax#:			Project Mana	iger:			ly)	sel)					O ₄)							
QA/QC I XStan	Package: dard		Level 4 (Fuil Validation)	D. Wat	rson		s (802°	Gas o	(Dito) as/Die					PO4,S(PCB's						
Accredi	tation			Sampler: 7	Trusillo			PH ((P) (P) (P) (P) (P) (P) (P) (P) (P) (P)	Ê	Ę	_		<u>3</u>	082						
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	(Type)			Sample Tem	perature	5		TBE	8 pc	bo	po	o	etal	N N	cide	(Y	Ň				∑ ©
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEADNO - A	BTEX + 🙇	BTEX + M	TPH Metho	TPH (Meth	EDB (Meth	8310 (PNA	RCRA 8 M	Anions (F(8081 Pesti	8260B (VO	8270 (Sem				Air Bubble
0-9-12	1205	Soil	56-1	Two Hoz	NoN	-001	\mathbf{X}		X					X				_			+
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If nanassary samples submitted to Hall Environmental may be subcontracted to other accordited laboratories. This serves as notice of this president on subcontracted data will be clearly notated on the analytical report