

SVE Monitoring

Location	D	Pate	SVE Point(s)	Exhaust OVM (ppm)	Vacuum Pressure upstream of drum (H2O")	Vacuum Pressure downstream of drum (H2O")	Run Time (Hours)	System Operational at Arrival?	Drum H2O (inches bTOD)	Drum Drained?	Comments
Atlantic	4-(5-23	4	5.1	-44	-3b)	Y	30,5	N	Dium Frozen
Florance			2	104.1	Bralter)	-	у	<i>?</i> ∂.S		Drum leating from Drain Valve
Sandoval			1	10,5	Brohen	Bromes	1681.2	\wedge	14.3	У	System restorted after Draining drun
Jaquez			3	142.1	-30		334.3	Y	28:75	<u> </u>	,
AL Elliott			5	110,5	-8	-12	1347,5	y	30,5	Y	·
6C4 H180			411		-		4005,7	Y)	-	2.6 ps: 160° (1)0.5(2)0.6(3)0.5(4)0,5
Herton			Unla	122,7	-56)	~	ý	3),25	Ý	
Mulge BIRR			1	204,7	-44	-30	_	γ	29.75	У	
Mulge A coz	\	V	2	76,5	-52	_	_	У	30,5	Y	
,											

Notes:

SVE - Soil Vapor Extraction
OVM - Organic Vapor Monitoring
ppm- parts per million
H2O"- inches water
cfm- cubic feet per minute

bTOD- below top of drum

Released to Imaging: 10/2/2023 11:22:21 AM



By Mike Buchanan at 10:45 am, Oct 02, 2023

SVE Monitoring

Location]	Date	SVE Point(s)	Exhaust OVM (ppm)	Vacuum Pressure upstream of drum (H2O")	Vacuum Pressure downstream of drum (H2O")	Exhaust Rate (cfm) if known	System Operational at Arrival?	Drum H2O (inches bTOD)	Drum Drained?	Comments
Attantic ALS 9A	2-	7-23		5.4	-38	-47	water.	Y	26.5	Y	
Florence		· ·	2	2.5 Dealers	Broken		Providence .	N	27	\mathbb{N}	Drum Frozen when lest
Sandoval			ſ	20,4	-	_	Taxana and Anna	N	14.25	Y	Attempted to lestert
Jacquez			3	1.0		67-diggardu-		N	28	N	Wort restart Wort restart, Drum Frozen Attempted to restart
Al Elliot		en e	S	2.4	o jerom		No.	N	27,5	\ /	Attempted to restart Will not restart Z.6 PS: 150°F Z618,0 hrs
GCU H80	The same of the sa		Aπ	_	_	_		Y	_	-	2.6 PS: 150°F Z618,0 lars 1) 0,5 Z) 0,5 3) 0,5 4) 0,25
Healor	J	,	ant	106.7	-56	_	-	Y	29.5	Y	
Midge BIZR	2.	-9-23	-	0.2	,	-	***************************************	N	32,0	N	Attempted to restart State , Drum Arozen
Mulge AZ	2-	9-23	2	2.1	-54	-	and the second	Y	30,5		Drum Frozen
						=					
				ζ.							
Notes:	1				J	<u> </u>	J	L	<u></u>	L	al a promise de la companya del companya de la companya del companya de la companya del la companya de la compa

Notes:

SVE - Soil Vapor Extraction

OVM - Organic Vapor Monitoring

ppm- parts per million

H2O"- inches water

cfm- cubic feet per minute

bTOD- below top of drum

SVE Monitoring

Vacuum

Vacuum

RECEIVED

t 10:43 am, Oct 02, 2023

						S	By I	Mike E	Buchar	nan at
Comments		Drum Frozen	Tank 80-8% (1111	Attenpted to respect	638.8 Nours for time	2,5 PS, 154°F 19421H		dum foren- una bleto drain. sve not operational.	wate in dum below drain port.	
Drum Drained?	_	>	>	7	1	(/	2	Z	
Drum H2O (inches bTOD)	26.5	31.4	7	6	27.5	1	5,92	3.	31	
System Operational at Arrival?	×	>	\wedge	\nearrow	7	>	7	N	K	
Exhaust Rate (cfm) if known	1)	1	1	1	.1	1	1	1	
Pressure downstream of drum (H2O")	-37	(-8 Brotan	Broten	0/-	(-	-66 Brother	1	,	
Pressure Pressure Exhaust upstream of downstream after (cfm) drum of drum if known (H2O")	34-	Broken	8-	0,0	0/-	1	99-	1	45-	-
Exhaust OVM (ppm)	11,1	23.1	2.29	4.2	165.0	(9.901	(0.8	
SVE Point(s)	1	7		\$	5	All	ant	_	2	3
Date	1-10-13	_						1/11/23	1/12/23	
Location	Atlantic ALS 9A 1-10-23	Florence 65716	Sandoval	Jacquez	A1 E11:07	6CU MBO	Heaton	Mudge B12P 1/11/23	Mudge A2 1/12/23	r

SVE - Soil Vapor Extraction Notes:

OVM - Organic Vapor Monitoring cfm- cubic feet per minute ppm- parts per million H2O"- inches water

bTOD- below top of drum

Coronwood (

By Mike Buchanan at 11:01 am, Oct 02, 2023

SVE Monitoring

						32	By I	Mike E	Buchai	nan at	11:01
Comments		Drum leaking from drain value	3144.4 ms	1606.7 hos	5083,0 hrs	5326,6 h033)05 4)05 PSI	Vacuum Pressure grange removed (downstream)				
Drained?	2	γ	N	γ	Z	1	2	2	2		
Drum H2O (inches bTOD)	Dry	162	Below	30 "	Below	ı	200	Deg	Below		
System Operational at Arrival?	_	7	/	7	~	7	7	7	ァ		
Run Time (Hours)	1	1	3144,4	1606.7	2683.0	23 th ve	1)	,		
Vacuum Pressure downstream of drum (H2O")	Q	1	Broken 3144,4	(1	١	1	62-)		
Vacuum Vacuum Pressure Pressure upstream of downstream drum of drum (H2O") (H2O")	내	Broton	Brolen	h2-	20/	1	-54	Hh-	-50	478140	
SVE Point(s) Exhaust OVM (ppm)	5.5	9.66	7.3	123.1	9.96)	110.5	[0].1	J.11.		
SVE Point(s)	_	7	=	3	10	AII	Unk	_	7		
Date	6/6/13								\rightarrow		
Location	Allantic	Florence	Sundoval	Suaguez	Ar Elliott	GCU H 180	Heuton	Wudge BIZR	Modye A COZ		Nices

Contransuod Consultung U.C.C.

SVE - Soil Vapor Extraction
OVM - Organic Vapor Monitoring
ppm- parts per million
H2O'- inches water

efin- cubic feet per minute bTOD- below top of drum

By Mike Buchanan at 10:47 am, Oct 02, 2023

SVE Monitoring

Cortonwood Consulting

_	***************************************				4	8 -				
Comments		dum valve leaking	Fun Fine 1041.9 475 Grabbed gis Sanple @ 1045	Syster not operational	our time 971,7 hours	2.5 ps: 150°F 33340 po 10,2 200,2 3)1,25 4)0,1		unable to access site	water in drum below valve	
Drum Drained?	7	7	\searrow	\geq	/		7	(2	
Drum H2O (inches bTOD)	31.25	34.5	31.0	1	35,25	ſ	285	1	31.5	
Exhaust System Rate (cfm) Operational if known at Arrival?	7	7	X	N	\geq	7	>	1	>	
	١	ſ	1	,	ļ	1	1)	1	
Vacuum Pressure downstream of drum (H2O")	94-	2000	Brotten)	01-)		ı		
Vacuum Pressure upstream of drum (H2O")	-36	boken	Broker	١	8.)	-42	1	- 52	
SVE Point(s) Exhaust OVM (ppm)	8.9	131.3	13.3	ţ	132.0	-	113.8	1	109.1	
SVE Point(s)	_	ゅ	1	8	5	NAI	COK	_	d	
Date	3/9/23					\rightarrow	3/10/23	_	\rightarrow	
Location	Atlantic	Florme	Sondoral	Sacquer	70:113 IV	SCU #80	Heaton	MudgeBize	Mudge Aa	

SVE - Soil Vapor Extraction OVM - Organic Vapor Monitoring ppm- parts per million H2O"- inches water

cfns- cubic feet per minute bTOD- below top of drum

By Mike Buchanan at 10:56 am, Oct 02, 2023

SVE Monitoring

Location]	Date	SVE Point(s)	Exhaust OVM (ppm)	Vacuum Pressure upstream of drum (H2O")	Vacuum Pressure downstream of drum (H2O")	Run Time (Hours)	System Operational at Arrival?	Drum H2O (inches bTOD)	Drum Drained?	Comments	D: 8/3/2023 11:04:1
Atlantic	51:	3/23		38,4	-35	-45	cymins.	Y	32	N	water below port	11:04:1
Florance		Ĺ	2	101,9	Broken	1		2	33	N	water below port Restarted system.	Prainvolve Still leaking
Sandoval			1	9.6	Broken	Broken	23290	Y	26.5	Y	2329.0 hrs	
Jaquez			3	-				7	29	γ	System won't stoot,	
AL Elliott			5	106.2	-8	-11	1951.3	Ý	32	Y	1951.3 hrs	
GCU 4180			NA	-		Villianos	4510.Z	Y	-	4	2.5 ps? 165° Temp 1)0.5 2)0.5 m 3)1.04)0.5	45 10,2 kg
Heaton			UNK	104.3	-53	-	_	Y	Dry	N		
Mudge Blak			1	122.3	-44	-39		Y	31.5	γ		
Mudge A ood	1	1	2	69.3	-59	_	~	7	31	2	water below port. restarted system	
											7,,	

Notes:

SVE - Soil Vapor Extraction

OVM - Organic Vapor Monitoring

ppm- parts per million

H2O"- inches water

cfm- cubic feet per minute

bTOD- below top of drum

Received by OCD: 8/3/2023 11:04:1



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

June 30, 2023

Kyle Siesser Cottonwood Consulting LLC PO BOX 1653 Durango, CO 81302

TEL: (970) 764-7356

FAX:

RE: Mudge B 012R OrderNo.: 2306D59

Dear Kyle Siesser:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/27/2023 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 #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
Lab Order 2306D59

Date Reported: 6/30/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Cottonwood Consulting LLC Client Sample ID: SVE

 Project:
 Mudge B 012R
 Collection Date: 6/21/2023 11:40:00 AM

 Lab ID:
 2306D59-001
 Matrix: AIR
 Received Date: 6/27/2023 8:40:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	240	10		μg/L	2	6/27/2023 12:44:25 PM
Surr: BFB	589	15-412	S	%Rec	2	6/27/2023 12:44:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Methyl tert-butyl ether (MTBE)	ND	0.50		μg/L	2	6/27/2023 12:44:25 PM
Benzene	ND	0.20		μg/L	2	6/27/2023 12:44:25 PM
Toluene	ND	0.20		μg/L	2	6/27/2023 12:44:25 PM
Ethylbenzene	0.71	0.20		μg/L	2	6/27/2023 12:44:25 PM
Xylenes, Total	4.1	0.40		μg/L	2	6/27/2023 12:44:25 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	2	6/27/2023 12:44:25 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 3

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

2306D59

WO#:

30-Jun-23

Client: Cottonwood Consulting LLC

Project: Mudge B 012R

Sample ID: 2306d59-001adup SampType: DUP TestCode: EPA Method 8015D: Gasoline Range

Client ID: SVE Batch ID: GA97746 RunNo: 97746

Prep Date: Analysis Date: 6/27/2023 SeqNo: 3554692 Units: µg/L

Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.0337 Gasoline Range Organics (GRO) 240 10 20 Surr: BFB 23000 4000 587 15 0 S 412 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S $\,\,$ % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 3

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306D59** *30-Jun-23*

Client: Cottonwood Consulting LLC

Project: Mudge B 012R

Sample ID: 2306d59-001adup SampType: DUP TestCode: EPA Method 8021B: Volatiles Client ID: SVE Batch ID: **R97746** RunNo: 97746 Prep Date: Analysis Date: 6/27/2023 SeqNo: 3554694 Units: µg/L Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Methyl tert-butyl ether (MTBE) ND 0.50 0 20 ND 0.20 0 20 Benzene ND 0.20 0 20 Toluene 20 Ethylbenzene 0.71 0.20 0.393 Xylenes, Total 4.1 0.40 1.05 20 Surr: 4-Bromofluorobenzene 4.1 4.000 102 70 130 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 3



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:	Cottonwood LLC	Consulting	Work C	order Num	ber: 2306D59		RcptNo:	1
Received By:	Joseph Ale	derette	6/27/2023	3 8:40:00	AM	JH		
Completed By:	Desiree Do	_	6/27/202	3 10:23:10	AM	ID3		
Reviewed By:	JA 6-	27.23						
Chain of Cus	todv							
1. Is Chain of Cu		ete?			Yes 🗹	No 🗌	Not Present	
2. How was the	sample delive	ered?			<u>FedEx</u>			
Log In								
3. Was an atter	pt made to co	ool the sampl	es?		Yes 🗌	No 🗌	NA 🗹	
4. Were all samp	oles received	at a temperat	cure of >0° C to	6.0°C	Yes	No 🗌	NA 🗹	
5. Sample(s) in p	proper contair	ner(s)?			Yes 🗹	No 🗌		
6. Sufficient sam	ple volume fo	or indicated te	st(s)?		Yes 🗸	No 🗌		
7. Are samples (except VOA a	and ONG) pro	perly preserved	l?	Yes 🗹	No 🗌		
8. Was preserva	tive added to	bottles?			Yes 🗌	No 🗸	NA 🗆	
9. Received at le	ast 1 vial with	headspace ·	<1/4" for AQ VC	A?	Yes 🗌	No 🗌	NA 🗹	
10. Were any san	nple containe	rs received b	roken?		Yes	No 🗸	# of preserved	
						\Box	bottles checked	
11. Does paperwo (Note discrepa			i		Yes 🗹	No 📙	for pH: (<2 or	>12 unless noted)
12. Are matrices of					Yes 🗹	No 🗌	Adjusted?	
. – . 13. Is it clear what					Yes 🗹	No 🗌		
14. Were all holding	ng times able	to be met?			Yes 🗸	No 🗆	Checked by:	n 6 27 23
Special Handl								
15. Was client no			vith this order?		Yes 🗌	No 🗌	NA 🗸	
Person	Notified:			Date			_	
By Who	om:	***********	THE RESERVE THE PERSON NAMED IN	Via:	eMail] Phone [Fax	☐ In Person	
Regard	ing:							
Client II	nstructions:		THE STATE OF SECTION S			eat to the control of the training of the		
16. Additional re	marks:							
17. Cooler Infor	mation							
Cooler No		Condition	Seal Intact	Seal No	Seal Date	Signed By		
1	NA	Good	Yes N	NA .				

_	Shain	1-of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:				:		(i	
Client:		ottonwoo	Cottonwood Consulting LLC	Standard	□ Rush	_				STA	2 2	HALL ENVIKONMENTAL ANAI YSTS I ABODATODY	TAL	
								N. A.	alled w	www.hallenwironmental.com	o lette	a 6		
Mailing	Mailing Address:	S:	PO Box 1653	Mudge B #	#012R		4901	4901 Hawkins NE	NE -	Albuque	raue.	Albuquergue, NM 87109		
		Durango,	Durango, CO 81302	Project #:			Tel. 5	Tel. 505-345-3975	3975	Fax	505-345-4107	5-4107		
Phone	Phone #: 970-764-7356	64-7356							An		Request	t		-
email (or Fax#: k	ksiesser@co	email or Fax#: ksiesser@cottonwoodconsulting.com	Project Manager:	ger:		_			70	(tr	F		_
QA/QC	QA/QC Package:			Kyle Siesser	er		ЯM	SV		· · · · ·	ıəsc			
Standard Standard	ndard		Level 4 (Full Validation)				10	VISC		· · ·	ΙΑ\Jι			
Accrec	Accreditation:			Sampler: Jos	Sampler: Joseph LaFortune	Je.	אם /			10 ⁵ '				
	□ NELAC	□ Other		On Ice:	□ Yes	ON NO	0		5					
	O (Type)			# of Coolers:			ਜ ਼)		tala			(9		
				Cooler Temp(induding CF):	(Induding CF):	JA	12D		϶M	(AC		10		
					Preservative		81 b ^e H:801 EX \	B (Ma	8 AЯ	F, B	o) (S	8) H		
Date		Matrix	Sample Name	Type and #	Type	23	lдТ		ВС	826		dТ		
92/13	本な。	AIR	SVE		NA	100-								
	3													
														,
										-				
						ď								
Date: くらん/3.3	Time:	Relinguished by:	by: Infurture	Received by:	Via: Fedex	Date Time 6-27-23 8:40	Remarks: please cc emillar@cottonwoodconsulting.com	emilla	r@cot	tonwoc	odcon	sulting.co	٤	
Date:	Time:	Relinquished by:	by:	Received by:	Via:	Date Time	jlafortune@cottonwoodconsulting.com	Scottc	nwoo	dcons	ılting.	om mos		
							Custody Seed Present and intact	Secu	Pass	Nt OS	743	act M6	W 6-27-23	
	If necessary,	, samples submi	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	ontracted to other ac	credited laboratorie	es. This serves as notice of this	ossibility. Any su	ub-contract	ted data w	Il be clearly	notated o	n the analytical	eport.	

Released to Imaging: 10/2/2023 11:22:21 AM

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 247790

CONDITIONS

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	247790
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By		Condition Date
michael.buchanan	None	10/2/2023