Report to: Sabre Beebe







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

SIMCOE LLC

Project Name: BHD

Work Order: E102076

Job Number: 20095-0001

Received: 2/23/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/2/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 3/2/21

Sabre Beebe

1199 Main Ave. Suite 242 Durango, CO 81301



Project Name: BHD Workorder: E102076

Date Received: 2/23/2021 3:15:00PM

Sabre Beebe,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/23/2021 3:15:00PM, under the Project Name: BHD.

The analytical test results summarized in this report with the Project Name: BHD apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

-				
ſ	SIMCOE LLC	Project Name:	BHD	Reported:
l	1199 Main Ave. Suite 242	Project Number:	20095-0001	Keporteu.
l	Durango CO, 81301	Project Manager:	Sabre Beebe	03/02/21 17:05

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Jaquez GC A3E API 3004523559	E102076-01A	Aqueous	02/23/21	02/23/21	Poly 500mL



Sample Data

SIMCOE LLC	Project Name:	BHD	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Sabre Beebe	3/2/2021 5:05:48PM

Jaquez GC A3E API 3004523559

E102076-01

		2102070 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Wet Chem/Gravimetric by SM2540C	mg/L	mg/L	Analy	st: RAS		Batch: 2109024
Total Dissolved Solids	4370	25.0	1	02/24/21	03/02/21	
Wet Chemistry by 9040C/4500H+B	pH Units	pH Units	Analy	st: JL		Batch: 2110003
pH @25°C	6.58		1	03/01/21 11:36	03/01/21 16:10	
Wet Chemistry by SM2320B	mg/L	mg/L	Analy	st: JL		Batch: 2110008
Total Alkalinity (as CaCO3 at pH 4.5)	238	10.0	1	03/01/21	03/01/21	
Wet Chemistry by 9050A/2510B	uS/cm	uS/cm	Analyst: JL			Batch: 2110002
Specific Conductance (@ 25 C)	7050	10.0	1	03/01/21	03/01/21	
Dissolved Metals by EPA 6010C	mg/L	mg/L	Analyst: AC			Batch: 2110001
Calcium	83.3	10.0	10	03/01/21	03/01/21	
Iron	ND	20.0	10	03/01/21	03/01/21	
Magnesium	10.3	10.0	10	03/01/21	03/01/21	
Potassium	79.8	50.0	50	03/01/21	03/01/21	
Sodium	1660	100	50	03/01/21	03/01/21	
Sodium Absorption Ratio	45.7		1	03/02/21	03/02/21	
Anions by EPA 300.0/9056A	mg/L	mg/L	Analy	st: IY		Batch: 2109021
Fluoride	ND	2.50	10	02/24/21	02/24/21	
Chloride	1250	20.0	10	02/24/21	02/24/21	
Nitrite-N	ND	2.50	10	02/24/21 09:13	02/24/21 14:21	
Nitrate-N	ND	2.50	10	02/24/21 09:13	02/24/21 14:21	
o-Phosphate-P	ND	2.50	10	02/24/21 09:13	02/24/21 14:21	
Sulfate	1090	20.0	10	02/24/21	02/24/21	



QC Summary Data

SIMCOE LLC 1199 Main Ave. Suite 242	Project Name: Project Number:	BHD 20095-0001	Reported:
Durango CO, 81301	Project Manager:	Sabre Beebe	3/2/2021 5:05:48PM

Durango CO, 61301		Troject Manager	i. 5a	оте весье				5/-	2,2021 3.03.101141
Wet Chem/Gravimetric by SM2540C Analyst: RAS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes
Blank (2109024-BLK1)						Pre	pared: 02/2	24/21 Analyz	red: 03/02/21
Total Dissolved Solids	ND	10.0							
LCS (2109024-BS1)						Pre	pared: 02/2	24/21 Analyz	red: 03/02/21
Total Dissolved Solids	120	10.0	100		120	55-134			
Duplicate (2109024-DUP1)				Sou	rce: E102	077-01 Pre	pared: 02/2	24/21 Analyz	red: 03/02/21
Total Dissolved Solids	800	25.0		823			2.77	5	



QC Summary Data

SIMCOE LLC	Project Name:	BHD	Reported:
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Sabre Beebe	3/2/2021 5:05:48PM

Wet Chemistry by	y 9040C/4500H+B
------------------	-----------------

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	Notes

LCS (2110003-BS1) Prepared: 03/01/21 Analyzed: 03/01/21						
pH	7.94	8.00	99.6 98.75	5-101.25		
Duplicate (2110003-DUP1)			Source: E102076-0	1 Prepared: 03/01	/21 Analyzed: 03/01/21	
рН	6.61	(5.58	0.455	20	



QC Summary Data

SIMCOE LLC	Project Name:	BHD	Reported:
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Sabre Beebe	3/2/2021 5:05:48PM

	Wet	Che	emistry	by	SM	[232]	:0B
--	-----	-----	---------	----	----	-------	-----

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes

LCS (2110008-BS1)			Prepared: 03/0	1/21 Analyzed: 03/01/21		
Total Alkalinity (as CaCO3 at pH 4.5)	284	10.0	250	114 70	-130	
Duplicate (2110008-DUP1)				Source: E102077-0	1 Prepared: 03/0	1/21 Analyzed: 03/01/21
Total Alkalinity (as CaCO3 at pH 4.5)	130	10.0		128	1.55	20



Duplicate (2110002-DUP1)
Specific Conductance (@ 25 C)

QC Summary Data

SIMCOE LLC	Project Name:	BHD	Reported:
1199 Main Ave. Suite 242	Project Number:	20095-0001	
Durango CO, 81301	Project Manager:	Sabre Beebe	3/2/2021 5:05:48PM

Durango CO, 81301		Floject Manage	1. Sa	ые весье					3/2/2021 3.03.461 W	
Wet Chemistry by 9050A/2510B Analyst: JL										
Analyte	Result uS/cm	Reporting Limit uS/cm	Spike Level uS/cm	Source Result uS/cm	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2110002-BLK1)						Pre	pared: 03/0	01/21 Anal	yzed: 03/01/21	
Specific Conductance (@ 25 C)	ND	10.0								
LCS (2110002-BS1)						Pre	pared: 03/0	01/21 Anal	yzed: 03/01/21	
Specific Conductance (@ 25 C)	1440	10.0	1410		102	98-102				

7050

7080

10.0

Source: E102076-01 Prepared: 03/01/21 Analyzed: 03/01/21

0.425

20

QC Summary Data

		₹ 0 0		ir j = uv							
SIMCOE LLC 1199 Main Ave. Suite 242		Project Name: Project Number:		HD 0095-0001					Reported:		
Durango CO, 81301		Project Manager:		ibre Beebe					3/2/2021 5:05:48PM		
Dissolved Metals by EPA 6010C Analyst: AC											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/L	mg/L	mg/L	mg/L	%	%	%	%	Notes		
Blank (2110001-BLK1)						Pre	pared: 03/0	01/21 Ana	lyzed: 03/01/21		
Calcium	ND	1.00									
Iron	ND	2.00									
Magnesium	ND	1.00									
Potassium	ND	1.00									
Sodium	ND	2.00									
LCS (2110001-BS1)						Pre	pared: 03/0	01/21 Ana	lyzed: 03/01/21		
Calcium	50.9	1.00	50.0		102	80-120					
Iron	99.3	2.00	100		99.3	80-120					
Magnesium	50.1	1.00	50.0		100	80-120					
Potassium	4.85	1.00	5.00		97.0	80-120					
Sodium	18.7	2.00	20.0		93.4	80-120					
Matrix Spike (2110001-MS1)				Sou	rce: E102	083-01 Pre	pared: 03/0	01/21 Ana	lyzed: 03/01/21		

Calcium	522	1.00	50.0	479	85.4	75-125				
Iron	97.9	2.00	100	ND	97.9	75-125				
Magnesium	322	1.00	50.0	274	96.6	75-125				
Potassium	12.8	5.00	5.00	6.27	131	75-125			M3	
Sodium	589	10.0	20.0	548	203	75-125			M3	
Matrix Spike Dup (2110001-MSD1)				Sou	ırce: E102	083-01 Pre	pared: 03/0	1/21 Analyze	ed: 03/01/21	
Calcium	517	1.00	50.0	479	75.4	75-125	0.963	20		
Iron	97.0	2.00	100	ND	97.0	75-125	0.924	20		
Magnesium	320	1.00	50.0	274	92.4	75-125	0.654	20		
Potassium	12.9	5.00	5.00	6.27	133	75-125	0.699	20	M3	
Sodium	593	10.0	20.0	548	225	75-125	0.762	20	M3	

QC Summary Data

SIMCOE LLC	Project Name:	BHD	Reported:
1199 Main Ave. Suite 242	Project Number:	20095-0001	•
Durango CO, 81301	Project Manager:	Sabre Beebe	3/2/2021 5:05:48PM

Durango CO, 81301		Project Manager	:: Sa	bre Beebe				3/2	2/2021 5:05:48PM
		Anions	by EPA 3	00.0/9056 <i>A</i>	\				Analyst: IY
Analyte	Result mg/L	Reporting Limit mg/L	Spike Level mg/L	Source Result mg/L	Rec	Rec Limits	RPD %	RPD Limit %	Notes
		mg E	- Ing E	mg/L	70	70	70	70	rotes
Blank (2109021-BLK1)						Pre	pared: 02/2	4/21 Analyz	ed: 02/24/21
Fluoride	ND	0.250							
Chloride	ND	2.00							
Nitrite-N	ND	0.250							
Nitrate-N	ND	0.250							
-Phosphate-P	ND	0.250							
Sulfate	ND	2.00							
LCS (2109021-BS1)						Pre	pared: 02/2	4/21 Analyz	ed: 02/24/21
Fluoride	2.64	0.250	2.50		106	90-110			
Chloride	25.0	2.00	25.0		99.8	90-110			
Nitrite-N	2.55	0.250	2.50		102	90-110			
Nitrite-N Nitrate-N	2.55 2.76	0.250 0.250	2.50 2.50		102 111	90-110 90-110			L2
									L2
Nitrate-N	2.76	0.250	2.50		111	90-110			L2
Nitrate-N o-Phosphate-P	2.76 12.7	0.250 0.250	2.50 12.5		111 101	90-110 90-110 90-110	pared: 02/2	4/21 Analyz	
Vitrate-N o-Phosphate-P Gulfate	2.76 12.7	0.250 0.250	2.50 12.5		111 101	90-110 90-110 90-110	pared: 02/2	4/21 Analyz	
Vitrate-N o-Phosphate-P Sulfate LCS Dup (2109021-BSD1)	2.76 12.7 24.6	0.250 0.250 2.00	2.50 12.5 25.0		111 101 98.5	90-110 90-110 90-110 Prej			
Nitrate-N p-Phosphate-P Sulfate LCS Dup (2109021-BSD1) Fluoride	2.76 12.7 24.6	0.250 0.250 2.00	2.50 12.5 25.0		111 101 98.5	90-110 90-110 90-110 Prej	0.531	20	
Nitrate-N p-Phosphate-P Sulfate LCS Dup (2109021-BSD1) Fluoride Chloride	2.76 12.7 24.6 2.63 24.8	0.250 0.250 2.00 0.250 2.00	2.50 12.5 25.0 2.50 2.50		111 101 98.5 105 99.1	90-110 90-110 90-110 Prej 90-110 90-110	0.531 0.740	20 20	
Nitrate-N p-Phosphate-P Sulfate LCS Dup (2109021-BSD1) Pluoride Chloride Nitrite-N	2.76 12.7 24.6 2.63 24.8 2.53	0.250 0.250 2.00 0.250 2.00 0.250	2.50 12.5 25.0 2.50 2.50 2.50		111 101 98.5 105 99.1 101	90-110 90-110 90-110 Prej 90-110 90-110 90-110	0.531 0.740 0.591	20 20 20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

SIMCOE LLC	Project Name:	BHD	
1199 Main Ave. Suite 242	Project Number:	20095-0001	Reported:
Durango CO, 81301	Project Manager:	Sabre Beebe	03/02/21 17:05

L2 The LCS spike recovery was above acceptance limits. This analyte was not detected in the sample.

M3 Matrix spike recovery was outside quality control limits due to matrix interference. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Client: TKAV

	Page	_1	of	1	
	EF	PA Pr	ogra	ım	
	CV	VA	SD	WA	
No. of Concession, Name of Street, or other Persons, Name of Street, or ot			RC	CRA	
100	Sta	ite			
)	UT	AZ	TX		
9					

Chain of Custody

Project: BHO Attention: Sabra Bill To								1	10.0	1940	AL MARIE	La	b U	Use Only						TA	T	EPA		rogram	
Project:	B+10 Manager: S	-1-	70					abre 15.	pebe		Lab	WO#			Job	Num	ber		1D	2D	3D	Star	dard	CWA	SDW
Address:		514	10560-	€		Addre					E K	M	SH	0				201							
City, Stat				-		Phone	State, Zip					-			Analy	ysis ar	nd Me	ethod							RCRA
Phone:				(i				Beebea	TLA	100-00	2	2					200					185		Ct-t-	
Email: S	iabre, bee	be (1)	IKAV	PATTAY.	Car	Linan	. 200	Derett	UIRY	VERROY	8015	801	_				ch					N	MICOL	State UT AZ	TTVI
Report d	ue by:	by:								O by	O by	8021	3260	010	300.	$\overline{C_4}$					IV	IVI CO	UT AZ	^ -	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II)					Lab	DRO/ORO by	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	*					-		Domaska	
Sampled			Containers	iv iv						Number	- CR	GR	BT	9	Me	5	V							Remarks	
1:15	2-23-21	A	İ	Jorg	vez	60	AZE	Name of the second of the seco		1							8						BHD	Proc	tect
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Addition	al Instruction	ns:								100000000000000000000000000000000000000															
(field samp late or time	ler), attest to the of collection is co	validity and nsidered fra	authenticity ud and may t	of this sampl	e. I am awa	are that tan		or intentionally mis	slabelling t	he sample loc	ation,													y are sample	d or received
Received by: (Signature) Date Time Received by: (Signature) Z-Z3-Z1 3:05						N	Date	JC	Time	15		packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: Y / N							10						
Relinquished by: (Signature) Date Time Received by: (Signature)						Date	Time				Received on ice: Y (N) T1 19.00 T2 19.8 T3 19.8														
telinquishe	d by: (Signature	2)	Date		Time	Re	eceived by: (S	Signature)		Date	Т	Time			3NG/886-255	Temp				AND ASSESSED.		. 13			
ample Matri	x: S - Soil, Sd - So	lid, Sg - Slud	ge, A - Aqueo	us, O - Other	2					Container [*]	Type:	g - gl:	ass n	- no	ly/pla	stic a	J. C.	mhor	alacc	\ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	0.4				I Salar and Salar an
lote: Samp	les are discarde	d 30 days a	after results	are reporte	ed unless	other arra	ngements ar	re made. Hazaro	dous sam	ples will be r	eturne	ed to	client	or dis	posed	of at	the cl	ient e	Knens	e. Th	e reno	rt for th	e analysis	of the ab	nvo
amples is a	pplicable only t	to those sar	mples receiv	ved by the l	aboratory	with this	COC. The lial	bility of the labor	ratory is li	imited to the	e amoi	unt pa	id for	on th	e rep	ort.		2	- Perio		c i cpo		ic analysis	or the ab	OVE



Printed: 2/24/2021 4:37:00PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	SIMCOE LLC	Date Received:	02/23/21	15:15		Work Order ID:	E102076
Phone:	(970) 828-4060	Date Logged In:	02/23/21	15:28		Logged In By:	Alexa Michaels
Email:	sabre.beebe@ikavenergy.com	Due Date:	03/02/21	17:00 (5 day TAT)			
Chain of	Custody (COC)						
			Vos				
	he sample ID match the COC? he number of samples per sampling site location ma	tch the COC	Yes				
	camples dropped off by client or carrier?	ion inc coc	Yes Yes	Ci C	C		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: <u>s</u>	ean Casaus		
	ill samples received within holding time?	ove analyses.	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			-		Comment	s/Resolution
	Furn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		No		Email- Sal	ore.beebe@ik	avenergy.com
Sample (<u>Cooler</u>						
	sample cooler received?		No				
8. If yes,	was cooler received in good condition?		NA				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	No				
	visible ice, record the temperature. Actual sample	temperature: 19	<u>1.7°C</u>				
_	Container 1 (2)		3.7				
	queous VOC samples present?		No NA				
	OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)?		NA NA				
	a trip blank (TB) included for VOC analyses?		NA				
	ion-VOC samples collected in the correct containers'	7	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La							
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	Oate/Time Collected?		Yes	L			
	Collectors name? Preservation		No				
	the COC or field labels indicate the samples were pr	recerved?	No				
	ample(s) correctly preserved?	reserved:	NA				
	filteration required and/or requested for dissolved n	netals?	No				
	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	Yes				
	s, does the COC specify which phase(s) is to be analy		No				
	ract Laboratory		1.0				
	amples required to get sent to a subcontract laborato	rv?	No				
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	: NA		
Client I	<u>nstruction</u>						
	nstruction Sabre.beebe@ikavenergy.com						
							C
Signa	ture of client authorizing changes to the COC or sample dis	position.			Date		envirotech Ind

Signature of client authorizing changes to the COC or sample disposition.

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

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 20872

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
SIMCOE LLC	1199 Main Ave., Suite 101	Durango, CO81301	329736	20872	GAS ANALYSIS

OCD Reviewer	Condition
mkuehling	None