

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: BREITBURN OPERATING

Name:

ClientProj: 16-196

GTA ProjNo: 082621-9

Site Addr: STATE BEAVER CREEK E-1

Sampled By: WPM/OMPC

Date Rec: 8/26/2021

Time Rec: 3:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	8/25/2021	12:14 PM	WATER
2	MW-5	8/25/2021	12:43 PM	WATER
3	MW-7	8/25/2021	11:56 AM	WATER
4	MW-8	8/25/2021	12:59 PM	WATER
5	MW-11	8/25/2021	1:38 PM	WATER
6	MW-13	8/25/2021	2:20 PM	WATER
7	MW-14	8/25/2021	1:57 PM	WATER

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 1

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 12:14 PM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-1						
	CHLORIDE EPA 300.0	21	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	390	1.0	uS/cm@25C	LV	9/3/2021	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C
DISS = DISSOLVED

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 2

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 12:43 PM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-5						
	CHLORIDE EPA 300.0	85	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	600	1.0	uS/cm@25C	LV	9/3/2021	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 3

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 11:56 AM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-7						
	CHLORIDE EPA 300.0	94	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	690	1.0	uS/cm@25C	LV	9/3/2021	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 4

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 12:59 PM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-8						
	CHLORIDE EPA 300.0	62	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	LV	9/3/2021	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 5

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 1:38 PM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-11						
	CHLORIDE EPA 300.0	160	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	940	1.0	uS/cm@25C	LV	9/3/2021	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 6

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 2:20 PM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-13						
	CHLORIDE EPA 300.0	180	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	1,000	1.0	uS/cm@25C	LV	9/3/2021	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 16-196
LOCATION: STATE BEAVER CREEK E-1

GTA PROJECT NO: 082621-9
GTA SAMPLE NO: 7

DATE SAMPLED: 8/25/2021
TIME SAMPLED: 1:57 PM

DATE RECEIVED: 8/26/2021
TIME RECEIVED: 3:40 PM

MI
SAMPLED BY: WPM/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
	SAMPLE ID: MW-14						
	CHLORIDE EPA 300.0	110	10	mg/L (PPM)	LV	9/4/2021	WATER
	CONDUCTIVITY SM2510-B	810	1.0	uS/cm@25C	LV	9/3/2021	WATER

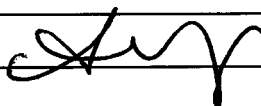
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CHAIN OF CUSTODY

PROJECT NUMBER 16-196	SITE NAME/ADDRESS State Beaver Creek E-1	COMPANY/NAME Bret + burn
SAMPLED BY WPM	COMPANY Otwell Mowby	GTA PROJECT # 082621-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	8-25-21	1214	H ₂ O	Chlorides + Conductivity
2	MW-5	↓	1243	↓	↓
3	MW-7		1156		
4	MW-8		1259		
5	MW-11		1338		
6	MW-13		1420		
7	MW-14		1357		

BILL TO: BB	TempRec: ☐ Y ☐ N	On Ice? ☐ ☐	REPORT TO: OMR
RELEASED BY 	DATE/TIME 8/26/21	RECEIVED BY 	DATE/TIME 8/26/21 3:40
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			