

**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: 16-252
GTA ProjNo: 011121-2

Site Addr: BEAVER CREEK B-1

Sampled By: SEAN CLARK/OMPC
Date Rec: 1/11/2021
Time Rec: 12:38 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1D	1/10/2021	1:08 PM	WATER
2	MW-1	1/10/2021	12:46 PM	WATER
3	MW-2	1/10/2021	12:30 PM	WATER
4	MW-3	1/10/2021	2:02 PM	WATER
5	MW-4	1/10/2021	1:30 PM	WATER
6	MW-5	1/10/2021	3:10 PM	WATER
7	MW-6	1/10/2021	1:44 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: 16-252

LOCATION: BEAVER CREEK B-1

GTA PROJECT NO: 011121-2

GTA SAMPLE NO: 1

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 1:08 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

SAMPLED BY: MI
SEAN CLARK/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</u>
	SAMPLE ID: MW-1D						
	CHLORIDE EPA 300.0	160	10	mg/L (PPM)	LV	1/12/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

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COMPANY: BREITBURN OPERATING

PROJECT NO: 16-252

LOCATION: BEAVER CREEK B-1

GTA PROJECT NO: 011121-2

GTA SAMPLE NO: 2

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 12:46 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

SAMPLED BY: MI
SEAN CLARK/OMPC**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: MW-1

CHLORIDE EPA 300.0

Concentration

36

LOD

10

Units

mg/L (PPM)

Analyst

LV

Date Completed

1/12/2021

Sample

WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 16-252

LOCATION: BEAVER CREEK B-1

MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 011121-2

GTA SAMPLE NO: 3

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

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</u>
SAMPLE ID: MW-2							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	1/12/2021	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 011121-2

PROJECT NO: 16-252

GTA SAMPLE NO: 4

LOCATION: BEAVER CREEK B-1

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 2:02 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

MI

SAMPLED BY: SEAN CLARK/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</u>
SAMPLE ID: MW-3							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	1/12/2021	WATER

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s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 011121-2

PROJECT NO: 16-252

GTA SAMPLE NO: 5

LOCATION: BEAVER CREEK B-1

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

SAMPLED BY: MI
SEAN CLARK/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</u>
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	1/12/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 011121-2

PROJECT NO: 16-252

GTA SAMPLE NO: 6

LOCATION: BEAVER CREEK B-1

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 3:10 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

SAMPLED BY: MI
SEAN CLARK/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</u>
	SAMPLE ID: MW-5						
	CHLORIDE EPA 300.0	36	10	mg/L (PPM)	LV	1/12/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: BREITBURN OPERATING

PROJECT NO: 16-252

LOCATION: BEAVER CREEK B-1

MI
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 011121-2

GTA SAMPLE NO: 7

DATE SAMPLED: 1/10/2021

TIME SAMPLED: 1:44 PM

DATE RECEIVED: 1/11/2021

TIME RECEIVED: 12:38 PM

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</u>
	SAMPLE ID: MW-6						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	1/12/2021	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER 16-252	SITE NAME/ADDRESS Beaver Creek B-1	COMPANY/NAME Breitburn
SAMPLED BY Sean Clark	COMPANY Otwell Mawby	GTA PROJECT # 011121-2

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-1D	1/10/2021	1:08 pm	GW	Chlorides
	MW-1		12:46 pm		
	MW-2		12:30 pm		
	MW-3		2:02 pm		
	MW-4		1:30 pm		
	MW-5		3:10 pm		
	MW-6		1:44 pm		

BILL TO:

Breitburn

REPORT TO:

Otwell Mawby

RELEASED BY

DATE/TIME

Sean Clark

1/11/2021 @ 12:38

RECEIVED BY

DATE/TIME

[Signature] 1/11/21 @ 12:38

REQUESTED TAT ☒ **STANDARD** ☐ **1 BUSINESS DAY** ☐ **2 BUSINESS DAYS** ☐ **3 BUSINESS DAYS**