

**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: 228907
GTA ProjNo: 020420-6

Site Addr: PREISS ROAD

Sampled By: HOLLIS THOMAS/DARCY
Date Rec: 2/4/2020
Time Rec: 11:35 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-13	2/3/2020	1:00 PM	WATER
2	MW-7	2/3/2020	1:15 PM	WATER
3	MW-1	2/3/2020	1:35 PM	WATER
4	MW-8	2/3/2020	2:30 PM	WATER
5	MW-11	2/3/2020	2:10 PM	WATER
6	MW-14	2/3/2020	1:55 PM	WATER
7	MW-5	2/3/2020	2:45 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
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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 1

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 1:00 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	320	10	mg/L (PPM)	LV	2/4/2020	WATER
	CONDUCTIVITY SM2510-B	1,200	1.0	uS/cm@25C	LV	2/4/2020	WATER

ND = NOT DETECTED, RESULT < LOD

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

DISS = DISSOLVED

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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 2

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 1:15 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	140	10	mg/L (PPM)	LV	2/4/2020	WATER
	CONDUCTIVITY SM2510-B	690	1.0	uS/cm@25C	LV	2/4/2020	WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 3

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 1:35 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	31	10	mg/L (PPM)	LV	2/4/2020	WATER
	CONDUCTIVITY SM2510-B	390	1.0	uS/cm@25C	LV	2/4/2020	WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 4

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	93	10	mg/L (PPM)	LV	2/4/2020	WATER
	CONDUCTIVITY SM2510-B	570	1.0	uS/cm@25C	LV	2/4/2020	WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 5

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 2:10 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	240	10	mg/L (PPM)	LV	2/4/2020	WATER
	CONDUCTIVITY SM2510-B	930	1.0	uS/cm@25C	LV	2/4/2020	WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 6

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 1:55 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	160	10	mg/L (PPM)	LV	2/6/2020	WATER
	CONDUCTIVITY SM2510-B	1,000	1.0	uS/cm@25C	LV	2/6/2020	WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 228907
LOCATION: PREISS ROAD

GTA PROJECT NO: 020420-6

GTA SAMPLE NO: 7

DATE SAMPLED: 2/3/2020

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 2/4/2020

TIME RECEIVED: 11:35 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY**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	440	10	mg/L (PPM)	LV	2/6/2020	WATER
	CONDUCTIVITY SM2510-B	1,400	1.0	uS/cm@25C	LV	2/6/2020	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER 228907	SITE NAME/ADDRESS Preiss Road	COMPANY/NAME Breat Burn Operating LP
SAMPLED BY HWT	COMPANY Darcy Consulting Inc	GTA PROJECT # 020420-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-13	2/3/20	100	GWTR	CL ; Spec Cond
2	MW-7		1:15		
3	MW-1		1:35		
4	MW-8		2:30		
5	MW-11		2:10		
6	MW-14		1:55		
7	MW-5		2:45		

BILL TO: Breat Burn Operating LP		REPORT TO: Darcy Consulting Inc	
RELEASED BY 	DATE/TIME 2/4/2020 11:33am	RECEIVED BY 	DATE/TIME 2-4-20 11:35A
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			