

**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: 082019-4

Site Addr: PREISS ROAD (SBC E#1)

Sampled By: HOLLIS THOMAS/DARCY
Date Rec: 8/20/2019
Time Rec: 11:05 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	8/19/2019	11:30 AM	WATER
2	MW-5	8/19/2019	12:10 PM	WATER
3	MW-7	8/19/2019	12:30 PM	WATER
4	MW-8	8/19/2019	11:45 AM	WATER
5	MW-11	8/19/2019	1:10 PM	WATER
6	MW-13	8/19/2019	12:50 PM	WATER
7	MW-14	8/19/2019	1:30 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 L 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: 228907
LOCATION: PREISS ROAD (SBC E#1)

GTA PROJECT NO: 082019-4
GTA SAMPLE NO: 1

DATE SAMPLED: 8/19/2019
TIME SAMPLED: 11:30 AM

DATE RECEIVED: 8/20/2019
TIME RECEIVED: 11:05 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	35	10	mg/L (PPM)	LV	8/27/2019	WATER
	CONDUCTIVITY SM2510-B	360	1.0	uS/cm@25C	LV	8/27/2019	WATER

ND = NOT DETECTED, RESULT < LOD
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DISS = DISSOLVED

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COMPANY: BREITBURN OPERATING
PROJECT NO: 228907
LOCATION: PREISS ROAD (SBC E#1)

GTA PROJECT NO: 082019-4
GTA SAMPLE NO: 2

DATE SAMPLED: 8/19/2019
TIME SAMPLED: 12:10 PM

DATE RECEIVED: 8/20/2019
TIME RECEIVED: 11:05 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	120	10	mg/L (PPM)	LV	8/27/2019	WATER
	CONDUCTIVITY SM2510-B	590	1.0	uS/cm@25C	LV	8/27/2019	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 082019-4

PROJECT NO: 228907

GTA SAMPLE NO: 3

LOCATION: PREISS ROAD (SBC E#1)

DATE SAMPLED: 8/19/2019

TIME SAMPLED: 12:30 PM

DATE RECEIVED: 8/20/2019

TIME RECEIVED: 11:05 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	8/27/2019	WATER
	CONDUCTIVITY SM2510-B	680	1.0	uS/cm@25C	LV	8/27/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 228907
LOCATION: PREISS ROAD (SBC E#1)

GTA PROJECT NO: 082019-4
GTA SAMPLE NO: 4

DATE SAMPLED: 8/19/2019
TIME SAMPLED: 11:45 AM

DATE RECEIVED: 8/20/2019
TIME RECEIVED: 11:05 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	100	10	mg/L (PPM)	LV	8/27/2019	WATER
	CONDUCTIVITY SM2510-B	540	1.0	uS/cm@25C	LV	8/27/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 228907
LOCATION: PREISS ROAD (SBC E#1)

GTA PROJECT NO: 082019-4
GTA SAMPLE NO: 5

DATE SAMPLED: 8/19/2019
TIME SAMPLED: 1:10 PM

DATE RECEIVED: 8/20/2019
TIME RECEIVED: 11:05 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	85	10	mg/L (PPM)	LV	8/27/2019	WATER
	CONDUCTIVITY SM2510-B	560	1.0	uS/cm@25C	LV	8/27/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 228907
LOCATION: PREISS ROAD (SBC E#1)

GTA PROJECT NO: 082019-4
GTA SAMPLE NO: 6

DATE SAMPLED: 8/19/2019
TIME SAMPLED: 12:50 PM

DATE RECEIVED: 8/20/2019
TIME RECEIVED: 11:05 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	350	10	mg/L (PPM)	LV	8/29/2019	WATER
	CONDUCTIVITY SM2510-B	1,300	1.0	uS/cm@25C	LV	8/29/2019	WATER

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PROJECT NO: 228907

LOCATION: PREISS ROAD (SBC E#1)

GTA PROJECT NO: 082019-4

GTA SAMPLE NO: 7

DATE SAMPLED: 8/19/2019

TIME SAMPLED: 1:30 PM

DATE RECEIVED: 8/20/2019

TIME RECEIVED: 11:05 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	8/29/2019	WATER
	CONDUCTIVITY SM2510-B	980	1.0	uS/cm@25C	LV	8/29/2019	WATER

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