

**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:

Site Addr: PREISS ROAD

GTA ProjNo: 051419-8

Sampled By: HOLLIS THOMAS/DARCY
Date Rec: 5/14/2019
Time Rec: 10:55 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	5/11/2019	1:20 PM	WATER
2	MW-3	5/11/2019	2:45 PM	WATER
3	MW-4	5/11/2019	1:10 PM	WATER
4	MW-5	5/11/2019	4:45 PM	WATER
5	MW-7	5/11/2019	2:55 PM	WATER
6	MW-8	5/11/2019	2:30 PM	WATER
7	MW-9	5/11/2019	1:40 PM	WATER
8	MW-10	5/11/2019	2:00 PM	WATER
9	MW-11	5/11/2019	4:00 PM	WATER
10	MW-13	5/11/2019	4:15 PM	WATER
11	MW-14	5/11/2019	3:30 PM	WATER
12	MW-15	5/11/2019	3:00 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

GTA PROJECT NO: 051419-8

GTA SAMPLE NO: 1

PROJECT NO:

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 1:20 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	13	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	310	1.0	uS/cm@25C	LV	5/16/2019	WATER

ND = NOT DETECTED, RESULT < LOD

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DISS = DISSOLVED

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 2

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 2:45 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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-3						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	360	1.0	uS/cm@25C	LV	5/16/2019	WATER

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GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 3

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 1:10 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	270	1.0	uS/cm@25C	LV	5/16/2019	WATER

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GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 4

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 4:45 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	560	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	1,700	1.0	uS/cm@25C	LV	5/16/2019	WATER

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GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 5

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 2:55 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	580	1.0	uS/cm@25C	LV	5/16/2019	WATER

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GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 6

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 2:30 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	130	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	670	1.0	uS/cm@25C	LV	5/16/2019	WATER

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GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 7

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 1:40 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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-9						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	95	1.0	uS/cm@25C	LV	5/16/2019	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 051419-8

GTA SAMPLE NO: 8

PROJECT NO:

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 2:00 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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-10						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	200	1.0	uS/cm@25C	LV	5/16/2019	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 051419-8

PROJECT NO:

GTA SAMPLE NO: 9

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 4:00 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	290	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	1,200	1.0	uS/cm@25C	LV	5/16/2019	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 051419-8

GTA SAMPLE NO: 10

PROJECT NO:

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 4:15 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	410	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	1,500	1.0	uS/cm@25C	LV	5/16/2019	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 051419-8

GTA SAMPLE NO: 11

PROJECT NO:

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 3:30 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	180	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	1,100	1.0	uS/cm@25C	LV	5/16/2019	WATER

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COMPANY: BREITBURN OPERATING

GTA PROJECT NO: 051419-8

GTA SAMPLE NO: 12

PROJECT NO:

LOCATION: PREISS ROAD

DATE SAMPLED: 5/11/2019

TIME SAMPLED: 3:00 PM

DATE RECEIVED: 5/14/2019

TIME RECEIVED: 10:55 AM

MI

SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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-15						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	5/16/2019	WATER
	CONDUCTIVITY SM2510-B	160	1.0	uS/cm@25C	LV	5/16/2019	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS <i>Preiss Road</i>	COMPANY/NAME <i>Breithorn Agr LP</i>
SAMPLED BY <i>galt</i>	COMPANY <i>Darcy</i>	GTA PROJECT # <i>051419-8</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	5/11/19	1:20 pm	GW	Cl ⁻ & SC
2	MW-3	5/11/19	2:45 pm		
3	MW-4	5/11/19	1:10 pm		
4	MW-5	5/11/19	4:45 pm		
5	MW-7		2:55 pm		
6	MW-8		2:30 pm		
7	MW-9		1:40 pm		
8	MW-10		2 pm		
9	MW-11		4 pm		
10	MW-13		4:15		
11	MW-14		3:30 pm		
12	MW-15		3 pm		

BILL TO:

BB

REPORT TO:

Darcy

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

galt W. Ch 5/14/19 10:55

K Ch 5/14/19 10:55

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