



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: 10-229
GTA ProjNo: 042419-4

Site Addr: PREISS RD/SBCM-2

Sampled By: R. OPPLIGER/OMPC
Date Rec: 4/24/2019
Time Rec: 3:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	4/24/2019		WATER
2	MW-6	4/24/2019		WATER
3	MW-6D	4/24/2019		WATER
4	MW-7	4/24/2019		WATER
5	MW-8	4/24/2019		WATER
6	MW-11	4/24/2019		WATER
7	MW-12	4/24/2019		WATER
8	MW-13	4/24/2019		WATER
9	MW-14	4/24/2019		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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS RD/SBCM-2

GTA PROJECT NO: 042419-4
 GTA SAMPLE NO: 1
 DATE SAMPLED: 4/24/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/24/2019
 TIME RECEIVED: 3:40 PM

SAMPLED BY: MI
 R. OPPLIGER/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-4	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	4/25/2019	WATER

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 10-229
LOCATION: PREISS RD/SBCM-2
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
GTA SAMPLE NO: 2
DATE SAMPLED: 4/24/2019
TIME SAMPLED:
DATE RECEIVED: 4/24/2019
TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-6	CHLORIDE EPA 300.0	100	10	mg/L (PPM)	LV	4/25/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS RD/SBCM-2
 MI
 SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
 GTA SAMPLE NO: 3
 DATE SAMPLED: 4/24/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/24/2019
 TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-6D	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	4/25/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 10-229
LOCATION: PREISS RD/SBCM-2
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
GTA SAMPLE NO: 4
DATE SAMPLED: 4/24/2019
TIME SAMPLED:
DATE RECEIVED: 4/24/2019
TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-7	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	4/25/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS RD/SBCM-2
 MI
 SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
 GTA SAMPLE NO: 5
 DATE SAMPLED: 4/24/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/24/2019
 TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-8	CHLORIDE EPA 300.0	32	10	mg/L (PPM)	LV	4/25/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 10-229
LOCATION: PREISS RD/SBCM-2
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
GTA SAMPLE NO: 6
DATE SAMPLED: 4/24/2019
TIME SAMPLED:
DATE RECEIVED: 4/24/2019
TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-11	CHLORIDE EPA 300.0	22	10	mg/L (PPM)	LV	4/25/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 10-229
LOCATION: PREISS RD/SBCM-2
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
GTA SAMPLE NO: 7
DATE SAMPLED: 4/24/2019
TIME SAMPLED:
DATE RECEIVED: 4/24/2019
TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-12	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	4/25/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS RD/SBCM-2

GTA PROJECT NO: 042419-4
 GTA SAMPLE NO: 8
 DATE SAMPLED: 4/24/2019
 TIME SAMPLED:
 DATE RECEIVED: 4/24/2019
 TIME RECEIVED: 3:40 PM

SAMPLED BY: MI
 R. OPPLIGER/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-13	CHLORIDE EPA 300.0	16	10	mg/L (PPM)	LV	4/29/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 10-229
LOCATION: PREISS RD/SBCM-2
MI
SAMPLED BY: R. OPPLIGER/OMPC

GTA PROJECT NO: 042419-4
GTA SAMPLE NO: 9
DATE SAMPLED: 4/24/2019
TIME SAMPLED:
DATE RECEIVED: 4/24/2019
TIME RECEIVED: 3:40 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-14	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	4/29/2019	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 10-229	SITE NAME/ADDRESS Preiss Rd / SBCM-2	COMPANY/NAME OMPC
SAMPLED BY R. Oppinger	COMPANY OMPC	GTA PROJECT # 042419-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-4	4/24		water	chlorides
2	MW-6				
3	MW-6D				
4	MW-7				
5	MW-8				
6	MW-11				
7	MW-12				
8	MW-13				
9	MW-14				

BILL TO:

Breitburn

REPORT TO:

OMPC

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

Ruth Oppinger

4/24
3:40

[Signature]

4/21/19 3:40

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