



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

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[www.gtanalytical.com](http://www.gtanalytical.com)

Company: BREITBURN OPERATING  
Name:  
ClientProj: 20-032  
GTA ProjNo: 101320-2

Site Addr: KAL 1-27

Sampled By: MATT SCOTT/OMPC  
Date Rec: 10/13/2020  
Time Rec: 12:15 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	10/12/2020	3:30 PM	WATER
2	MW-1D	10/12/2020	3:45 PM	WATER
3	MW-2	10/12/2020	3:10 PM	WATER
4	MW-3	10/12/2020	3:50 PM	WATER
5	MW-4	10/12/2020	4:45 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: 20-032  
LOCATION: KAL 1-27

GTA PROJECT NO: 101320-2  
GTA SAMPLE NO: 1  
DATE SAMPLED: 10/12/2020  
TIME SAMPLED: 3:30 PM  
DATE RECEIVED: 10/13/2020  
TIME RECEIVED: 12:15 PM

MI  
SAMPLED BY: MATT SCOTT/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-1							
CHLORIDE EPA 300.0		2,200	100	mg/L (PPM)	LV	10/13/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-032  
 LOCATION: KAL 1-27

GTA PROJECT NO: 101320-2  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 10/12/2020  
 TIME SAMPLED: 3:45 PM  
 DATE RECEIVED: 10/13/2020  
 TIME RECEIVED: 12:15 PM

MI  
 SAMPLED BY: MATT SCOTT/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	ND	10	mg/L (PPM)	LV	10/13/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-032  
 LOCATION: KAL 1-27

GTA PROJECT NO: 101320-2  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 10/12/2020  
 TIME SAMPLED: 3:10 PM  
 DATE RECEIVED: 10/13/2020  
 TIME RECEIVED: 12:15 PM

MI  
 SAMPLED BY: MATT SCOTT/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-2	CHLORIDE EPA 300.0	1,300	50	mg/L (PPM)	LV	10/13/2020	WATER

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

COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-032  
LOCATION: KAL 1-27  
MI  
SAMPLED BY: MATT SCOTT/OMPC

GTA PROJECT NO: 101320-2  
GTA SAMPLE NO: 4  
DATE SAMPLED: 10/12/2020  
TIME SAMPLED: 3:50 PM  
DATE RECEIVED: 10/13/2020  
TIME RECEIVED: 12:15 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-3	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/13/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-032  
 LOCATION: KAL 1-27  
 MI  
 SAMPLED BY: MATT SCOTT/OMPC

GTA PROJECT NO: 101320-2  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 10/12/2020  
 TIME SAMPLED: 4:45 PM  
 DATE RECEIVED: 10/13/2020  
 TIME RECEIVED: 12:15 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-4	CHLORIDE EPA 300.0	51	10	mg/L (PPM)	LV	10/13/2020	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER <b>20-032</b>	SITE NAME/ADDRESS <b>K-1 I-27</b>	COMPANY/NAME <b>Breitburn</b>
SAMPLED BY <b>Matthew Scott</b>	COMPANY <b>OMPC</b>	GTA PROJECT # <b>101320-2</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	10-12-20	3:30	Water	Chlorides
2	MW-1D		3:45pm		
3	MW-2		3:10pm		
4	MW-3		3:50		
5	MW-4		4:45pm		

**BILL TO:** Breitburn

**REPORT TO:** OMPC

<b>RELEASED BY</b> <b>Matthew Scott</b>	<b>DATE/TIME</b> <b>10-13-20</b>	<b>RECEIVED BY</b> <b>Lisa V. [Signature]</b>	<b>DATE/TIME</b> <b>10-13-2020 12:15p</b>

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