



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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

Company: BREITBURN OPERATING  
Name:  
ClientProj: 06-136  
GTA ProjNo: 041521-3

Site Addr: PAUSIT 1-26

Sampled By: SEAN CLARK/OMPC  
Date Rec: 4/15/2021  
Time Rec: 9:55 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	4/12/2021		WATER
2	MW-4	4/12/2021		WATER
3	MW-5	4/12/2021		WATER
4	MW-7	4/12/2021		WATER
5	MW-8	4/12/2021		WATER
6	MW-9	4/12/2021		WATER
7	MW-10	4/12/2021		WATER
8	MW-10D	4/12/2021		WATER
9	MW-11	4/12/2021		WATER
10	MW-14	4/12/2021		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: 06-136  
LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
GTA SAMPLE NO: 1  
DATE SAMPLED: 4/12/2021  
TIME SAMPLED:  
DATE RECEIVED: 4/15/2021  
TIME RECEIVED: 9:55 AM

MI  
SAMPLED BY: SEAN CLARK/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-3							
CHLORIDE EPA 300.0		57	10	mg/L (PPM)	TR	4/22/2021	WATER

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

COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-136  
LOCATION: PAUSIT 1-26  
MI  
SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 041521-3  
GTA SAMPLE NO: 2  
DATE SAMPLED: 4/12/2021  
TIME SAMPLED:  
DATE RECEIVED: 4/15/2021  
TIME RECEIVED: 9:55 AM

**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	17	10	mg/L (PPM)	TR	4/22/2021	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-136  
 LOCATION: PAUSIT 1-26  
 MI  
 SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 041521-3  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 4/12/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 4/15/2021  
 TIME RECEIVED: 9:55 AM

**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-5	CHLORIDE EPA 300.0	37	10	mg/L (PPM)	TR	4/22/2021	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-136  
 LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/12/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 4/15/2021  
 TIME RECEIVED: 9:55 AM

MI  
 SAMPLED BY: SEAN CLARK/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-7	CHLORIDE EPA 300.0	41	10	mg/L (PPM)	TR	4/22/2021	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-136  
LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
GTA SAMPLE NO: 5  
DATE SAMPLED: 4/12/2021  
TIME SAMPLED:  
DATE RECEIVED: 4/15/2021  
TIME RECEIVED: 9:55 AM

MI  
SAMPLED BY: SEAN CLARK/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-8	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	4/22/2021	WATER

ND = NOT DETECTED, RESULT < LOD  
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COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-136  
 LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 4/12/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 4/15/2021  
 TIME RECEIVED: 9:55 AM

MI  
 SAMPLED BY: SEAN CLARK/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-9	CHLORIDE EPA 300.0	25	10	mg/L (PPM)	TR	4/22/2021	WATER

ND = NOT DETECTED, RESULT < LOD  
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COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-136  
 LOCATION: PAUSIT 1-26  
 MI  
 SAMPLED BY: SEAN CLARK/OMPC

GTA PROJECT NO: 041521-3  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 4/12/2021  
 TIME SAMPLED:  
 DATE RECEIVED: 4/15/2021  
 TIME RECEIVED: 9:55 AM

**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-10	CHLORIDE EPA 300.0	2,000	100	mg/L (PPM)	TR	4/22/2021	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-136  
LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
GTA SAMPLE NO: 8  
DATE SAMPLED: 4/12/2021  
TIME SAMPLED:  
DATE RECEIVED: 4/15/2021  
TIME RECEIVED: 9:55 AM

MI  
SAMPLED BY: SEAN CLARK/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-10D	CHLORIDE EPA 300.0	100	10	mg/L (PPM)	TR	4/22/2021	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-136  
LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
GTA SAMPLE NO: 9  
DATE SAMPLED: 4/12/2021  
TIME SAMPLED:  
DATE RECEIVED: 4/15/2021  
TIME RECEIVED: 9:55 AM

MI  
SAMPLED BY: SEAN CLARK/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-11	CHLORIDE EPA 300.0	21	10	mg/L (PPM)	TR	4/22/2021	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-136  
LOCATION: PAUSIT 1-26

GTA PROJECT NO: 041521-3  
GTA SAMPLE NO: 10  
DATE SAMPLED: 4/12/2021  
TIME SAMPLED:  
DATE RECEIVED: 4/15/2021  
TIME RECEIVED: 9:55 AM

MI  
SAMPLED BY: SEAN CLARK/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-14 CHLORIDE EPA 300.0	14	10	mg/L (PPM)	TR	4/22/2021	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER <i>06-136</i>	SITE NAME/ADDRESS <i>Pausit 1-26</i>	COMPANY/NAME <i>BreitBurn</i>
SAMPLED BY <i>Sean Clark</i>	COMPANY <i>Otwell Mawby</i>	GTA PROJECT # <i>041521-3</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-3	4/12/2021		H <sub>2</sub> O	Chloride
2	MW-4	↓	↓	↓	↓
3	MW-5				
4	MW-7				
5	MW-8				
6	MW-9				
7	MW-10				
8	MW-10D				
9	MW-11				
10	MW-14				

**BILL TO:**

**REPORT TO:**

**RELEASED BY**

**DATE/TIME**

**RECEIVED BY**

**DATE/TIME**

*[Signature]*

4/15/21 @ 9:54am

*[Signature]*

4-15-21 9:55A

**REQUESTED TAT**

STANDARD

1 BUSINESS DAY

2 BUSINESS DAYS

3 BUSINESS DAYS