



**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: 06-133  
GTA ProjNo: 062220-1

Site Addr: LOGAN

Sampled By: JOSE MEMBRILLO/OMPC  
Date Rec: 6/22/2020  
Time Rec: 8:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1S	6/19/2020	11:30 AM	WATER
2	MW-1D	6/19/2020	12:00 PM	WATER
3	MW-1DD	6/19/2020	12:30 PM	WATER
4	MW-3	6/19/2020	2:30 PM	WATER
5	GP-12	6/19/2020	2:50 PM	WATER
6	GP-13	6/19/2020	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 Chase*

Kirk L. Chase/Chemist  
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COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-133  
LOCATION: LOGAN

GTA PROJECT NO: 062220-1  
GTA SAMPLE NO: 1

DATE SAMPLED: 6/19/2020  
TIME SAMPLED: 11:30 AM  
DATE RECEIVED: 6/22/2020  
TIME RECEIVED: 8:30 AM

MI  
SAMPLED BY: JOSE MEMBRILLO/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-1S							
CHLORIDE EPA 300.0		540	50	mg/L (PPM)	LV	6/22/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-133  
 LOCATION: LOGAN

GTA PROJECT NO: 062220-1  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 6/19/2020  
 TIME SAMPLED: 12:00 PM  
 DATE RECEIVED: 6/22/2020  
 TIME RECEIVED: 8:30 AM

MI  
 SAMPLED BY: JOSE MEMBRILLO/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-1D	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/22/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-133  
 LOCATION: LOGAN

GTA PROJECT NO: 062220-1  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 6/19/2020  
 TIME SAMPLED: 12:30 PM  
 DATE RECEIVED: 6/22/2020  
 TIME RECEIVED: 8:30 AM

MI  
 SAMPLED BY: JOSE MEMBRILLO/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-1DD						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/22/2020	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 06-133  
LOCATION: LOGAN  
MI  
SAMPLED BY: JOSE MEMBRILLO/OMPC

GTA PROJECT NO: 062220-1  
GTA SAMPLE NO: 4  
DATE SAMPLED: 6/19/2020  
TIME SAMPLED: 2:30 PM  
DATE RECEIVED: 6/22/2020  
TIME RECEIVED: 8:30 AM

**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-3							
CHLORIDE EPA 300.0		15	10	mg/L (PPM)	LV	6/22/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-133  
 LOCATION: LOGAN  
 MI  
 SAMPLED BY: JOSE MEMBRILLO/OMPC

GTA PROJECT NO: 062220-1  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 6/19/2020  
 TIME SAMPLED: 2:50 PM  
 DATE RECEIVED: 6/22/2020  
 TIME RECEIVED: 8:30 AM

**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: GP-12	CHLORIDE EPA 300.0	120	10	mg/L (PPM)	LV	6/22/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 06-133  
 LOCATION: LOGAN  
 MI  
 SAMPLED BY: JOSE MEMBRILLO/OMPC

GTA PROJECT NO: 062220-1  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 6/19/2020  
 TIME SAMPLED: 3:00 PM  
 DATE RECEIVED: 6/22/2020  
 TIME RECEIVED: 8:30 AM

**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: GP-13	CHLORIDE EPA 300.0	140	10	mg/L (PPM)	LV	6/22/2020	WATER

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

