



**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: 00-038  
GTA ProjNo: 081720-8

Site Addr: DYAR 1-1  
Sampled By: MATT/OMPC  
Date Rec: 8/17/2020  
Time Rec: 3:25 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	OW-2	8/17/2020		WATER
2	OW-10	8/17/2020		WATER
3	OW-11	8/17/2020		WATER
4	OW-16	8/17/2020		WATER
5	OW-18	8/17/2020		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  
Grand Traverse Analytical  
830 Robinwood Court  
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COMPANY: BREITBURN OPERATING  
PROJECT NO: 00-038  
LOCATION: DYAR 1-1

GTA PROJECT NO: 081720-8  
GTA SAMPLE NO: 1  
DATE SAMPLED: 8/17/2020  
TIME SAMPLED:  
DATE RECEIVED: 8/17/2020  
TIME RECEIVED: 3:25 PM

MI  
SAMPLED BY: MATT/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 Matrix</u>
	SAMPLE ID: OW-2						
	CHLORIDE EPA 300.0	38	10	mg/L (PPM)	LV	8/17/2020	WATER
	CONDUCTIVITY SM2510-B	880	1.0	uS/cm@25C	LV	8/17/2020	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 00-038  
 LOCATION: DYAR 1-1

GTA PROJECT NO: 081720-8  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 8/17/2020  
 TIME SAMPLED:  
 DATE RECEIVED: 8/17/2020  
 TIME RECEIVED: 3:25 PM

MI  
 SAMPLED BY: MATT/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 Matrix</u>
	SAMPLE ID: OW-10						
	CHLORIDE EPA 300.0	37	10	mg/L (PPM)	LV	8/17/2020	WATER
	CONDUCTIVITY SM2510-B	900	1.0	uS/cm@25C	LV	8/17/2020	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 00-038  
LOCATION: DYAR 1-1

GTA PROJECT NO: 081720-8  
GTA SAMPLE NO: 3  
DATE SAMPLED: 8/17/2020  
TIME SAMPLED:  
DATE RECEIVED: 8/17/2020  
TIME RECEIVED: 3:25 PM

MI  
SAMPLED BY: MATT/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 Matrix</u>
	SAMPLE ID: OW-11						
	CHLORIDE EPA 300.0	240	10	mg/L (PPM)	LV	8/17/2020	WATER
	CONDUCTIVITY SM2510-B	1,600	1.0	uS/cm@25C	LV	8/17/2020	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 00-038  
LOCATION: DYAR 1-1

GTA PROJECT NO: 081720-8  
GTA SAMPLE NO: 4  
DATE SAMPLED: 8/17/2020  
TIME SAMPLED:  
DATE RECEIVED: 8/17/2020  
TIME RECEIVED: 3:25 PM

MI  
SAMPLED BY: MATT/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 Matrix</u>
	SAMPLE ID: OW-16						
	CHLORIDE EPA 300.0	13	10	mg/L (PPM)	LV	8/17/2020	WATER
	CONDUCTIVITY SM2510-B	530	1.0	uS/cm@25C	LV	8/17/2020	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 00-038  
LOCATION: DYAR 1-1

GTA PROJECT NO: 081720-8  
GTA SAMPLE NO: 5  
DATE SAMPLED: 8/17/2020  
TIME SAMPLED:  
DATE RECEIVED: 8/17/2020  
TIME RECEIVED: 3:25 PM

MI  
SAMPLED BY: MATT/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 Matrix</u>
	SAMPLE ID: OW-18						
	CHLORIDE EPA 300.0	230	10	mg/L (PPM)	LV	8/17/2020	WATER
	CONDUCTIVITY SM2510-B	1,400	1.0	uS/cm@25C	LV	8/17/2020	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER <i>00-038</i>	SITE NAME/ADDRESS <i>Dyarc 1-1</i>	COMPANY/NAME <i>Breitburn</i>
SAMPLED BY <i>[Signature]</i>	COMPANY <i>OMPC</i>	GTA PROJECT # <i>081720-8</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>OW-2</i>	<i>8-17-20</i>		<i>water</i>	<i>Chlorides &amp; conductivity</i>
2	<i>OW-16</i>	↓		↓	↓
3	<i>OW-11</i>	↓		↓	↓
4	<i>OW-16</i>	↓		↓	↓
5	<i>OW-18</i>	↓		↓	↓

<b>BILL TO:</b> <i>Breitburn</i>	<b>REPORT TO:</b> <i>OMPC</i>
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<b>RELEASED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b> <i>8-17-20</i> <i>3:25pm</i>	<b>RECEIVED BY</b> <i>[Signature]</i>	<b>DATE/TIME</b> <i>8/17/20</i> <i>15:25</i>
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS