



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: 10-228
GTA ProjNo: 031221-3

Site Addr: TANGELO ROAD

Sampled By: SC/MS - OMPC
Date Rec: 3/12/2021
Time Rec: 10:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	3/8/2021		WATER
2	MW-2	3/8/2021		WATER
3	MW-3	3/11/2021		WATER
4	MW-4	3/8/2021		WATER
5	MW-5	3/8/2021		WATER
6	MW-6	3/8/2021		WATER
7	MW-7	3/8/2021		WATER
8	MW-7D	3/8/2021		WATER
9	MW-8	3/8/2021		WATER
10	MW-9	3/8/2021		WATER
11	MW-10	3/8/2021		WATER
12	MW-11	3/8/2021		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: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 1
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: MI
 SC/MS - 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	11	10	mg/L (PPM)	LV	3/12/2021	WATER

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 2
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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	530	10	mg/L (PPM)	LV	3/12/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: BREITBURN OPERATING
PROJECT NO: 10-228
LOCATION: TANGELO ROAD
MI
SAMPLED BY: SC/MS - OMPC

GTA PROJECT NO: 031221-3
GTA SAMPLE NO: 3
DATE SAMPLED: 3/11/2021
TIME SAMPLED:
DATE RECEIVED: 3/12/2021
TIME RECEIVED: 10:00 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-3	CHLORIDE EPA 300.0	190	10	mg/L (PPM)	LV	3/12/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 4
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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-4	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	3/12/2021	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 5
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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-5	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	3/12/2021	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 6
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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-6	CHLORIDE EPA 300.0	210	10	mg/L (PPM)	LV	3/15/2021	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 7
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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	130	10	mg/L (PPM)	LV	3/15/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 8
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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-7D	CHLORIDE EPA 300.0	12	10	mg/L (PPM)	LV	3/15/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 9
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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	120	10	mg/L (PPM)	LV	3/15/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 10
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: MI
 SC/MS - 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	ND	10	mg/L (PPM)	LV	3/15/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 11
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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-10	CHLORIDE EPA 300.0	13	10	mg/L (PPM)	LV	3/15/2021	WATER

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-228
 LOCATION: TANGELO ROAD

GTA PROJECT NO: 031221-3
 GTA SAMPLE NO: 12
 DATE SAMPLED: 3/8/2021
 TIME SAMPLED:
 DATE RECEIVED: 3/12/2021
 TIME RECEIVED: 10:00 AM

MI
 SAMPLED BY: SC/MS - 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	ND	10	mg/L (PPM)	LV	3/15/2021	WATER

ND = NOT DETECTED, RESULT < LOD
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CHAIN OF CUSTODY

PROJECT NUMBER 10-228	SITE NAME/ADDRESS Tangelo Road	COMPANY/NAME Breitburn
SAMPLED BY Sean Clark + Matthew Scott	COMPANY Otwell Mawby	GTA PROJECT # 03/221-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	3/8/2021		GW	Chlorides
2	MW-2	3/8/2021		↓	↓
3	MW-3	3/11/2021			
4	MW-4	3/8/2021			
5	MW-5	3/8/2021			
6	MW-6	3/8/2021			
7	MW-7	3/8/2021			
8	MW-7D	3/8/2021			
9	MW-8	3/8/2021			
10	MW-9	3/8/2021			
11	MW-10	3/8/2021			
12	MW-11	3/8/2021			

BILL TO:

Breitburn

REPORT TO:

Otwell Mawby

RELEASED BY

DATE/TIME

[Signature]

3/12/2021 @ 10am

RECEIVED BY

DATE/TIME

[Signature]

3/12/21 10 am

REQUESTED TAT

STANDARD

1 BUSINESS DAY

2 BUSINESS DAYS

3 BUSINESS DAYS