



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: 20-133

GTA ProjNo: 070221-10

Site Addr: BB SBC M-3

Sampled By: JP/OMPC

Date Rec: 7/2/2021

Time Rec: 5:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	7/2/2021		WATER
2	MW-4D	7/2/2021		WATER
3	MW-5	7/2/2021		WATER
4	MW-9	7/2/2021		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

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-133
 LOCATION: BB SBC M-3
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-2

GTA PROJECT NO: 070221-10
 GTA SAMPLE NO: 1
 DATE SAMPLED: 7/2/2021
 TIME SAMPLED:
 DATE RECEIVED: 7/2/2021
 TIME RECEIVED: 5:00 PM

SAMPLED BY: JP/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Completed</u>	<u>Prep Method</u>
Benzene	2.5	1.0	ug/L (PPB)	MR		7/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	150	4.0					
Xylene(Total)	370	9.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION



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 PROJECT NO: 20-133
 LOCATION: BB SBC M-3
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-4D

GTA PROJECT NO: 070221-10
 GTA SAMPLE NO: 2
 DATE SAMPLED: 7/2/2021
 TIME SAMPLED:
 DATE RECEIVED: 7/2/2021
 TIME RECEIVED: 5:00 PM

SAMPLED BY: JP/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: BREITBURN OPERATING
PROJECT NO: 20-133
LOCATION: BB SBC M-3
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-5

GTA PROJECT NO: 070221-10
GTA SAMPLE NO: 3
DATE SAMPLED: 7/2/2021
TIME SAMPLED:
DATE RECEIVED: 7/2/2021
TIME RECEIVED: 5:00 PM
SAMPLED BY: JP/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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COMPANY: BREITBURN OPERATING
PROJECT NO: 20-133
LOCATION: BB SBC M-3
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-9

GTA PROJECT NO: 070221-10
GTA SAMPLE NO: 4
DATE SAMPLED: 7/2/2021
TIME SAMPLED:
DATE RECEIVED: 7/2/2021
TIME RECEIVED: 5:00 PM
SAMPLED BY: JP/OMPC

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/8/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	110	1.0					
Xylene(Total)	ND	3.0					

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PROJECT NO: 20-133
LOCATION: BB SBC M-3

GTA PROJECT NO: 070221-10
GTA SAMPLE NO: 1

DATE SAMPLED: 7/2/2021
TIME SAMPLED:

DATE RECEIVED: 7/2/2021
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: JP/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: MW-2						
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	7/6/2021	WATER
CONDUCTIVITY SM2510-B	810	1.0	uS/cm@25C	LV	7/6/2021	WATER

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



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PROJECT NO: 20-133
LOCATION: BB SBC M-3

GTA PROJECT NO: 070221-10
GTA SAMPLE NO: 2
DATE SAMPLED: 7/2/2021
TIME SAMPLED:
DATE RECEIVED: 7/2/2021
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: JP/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: MW-4D						
	CHLORIDE EPA 300.0	260	10	mg/L (PPM)	LV	7/6/2021	WATER
	CONDUCTIVITY SM2510-B	1,200	1.0	uS/cm@25C	LV	7/6/2021	WATER

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 LOCATION: BB SBC M-3

GTA PROJECT NO: 070221-10
 GTA SAMPLE NO: 3
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MI
 SAMPLED BY: JP/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: MW-5						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	7/6/2021	WATER
	CONDUCTIVITY SM2510-B	560	1.0	uS/cm@25C	LV	7/6/2021	WATER

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MI
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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: MW-9						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	7/6/2021	WATER
	CONDUCTIVITY SM2510-B	550	1.0	uS/cm@25C	LV	7/6/2021	WATER

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DISS = DISSOLVED

