



**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: 20-133  
GTA ProjNo: 012422-4

Site Addr: SBC M-3

Sampled By: WPM/OMPC  
Date Rec: 1/24/2022  
Time Rec: 4:05 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	1/21/2022	11:55 AM	WATER
2	MW-4D	1/21/2022	12:35 PM	WATER
3	MW-5	1/21/2022	12:40 PM	WATER
4	MW-9	1/21/2022	12:25 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  
Grand Traverse Analytical  
830 Robinwood Court  
Traverse City, MI 49686  
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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-133  
LOCATION: SBC M-3  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-2

GTA PROJECT NO: 012422-4  
GTA SAMPLE NO: 1  
DATE SAMPLED: 1/21/2022  
TIME SAMPLED: 11:55 AM  
DATE RECEIVED: 1/24/2022  
TIME RECEIVED: 4:05 PM  
SAMPLED BY: WPM/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 Complete</u>	<u>Prep Method</u>
Benzene	5.8	5.0	ug/L (PPB)	MR		1/26/2022	EPA 5030B
Toluene	ND	5.0					
Ethylbenzene	210	5.0					
Xylene(Total)	780	15					

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



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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-133  
LOCATION: SBC M-3  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-4D  
GTA PROJECT NO: 012422-4  
GTA SAMPLE NO: 2  
DATE SAMPLED: 1/21/2022  
TIME SAMPLED: 12:35 PM  
DATE RECEIVED: 1/24/2022  
TIME RECEIVED: 4:05 PM  
SAMPLED BY: WPM/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		1/25/2022	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: SBC M-3  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-5

GTA PROJECT NO: 012422-4  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 1/21/2022  
 TIME SAMPLED: 12:40 PM  
 DATE RECEIVED: 1/24/2022  
 TIME RECEIVED: 4:05 PM

SAMPLED BY: WPM/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		1/25/2022	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: SBC M-3  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-9

GTA PROJECT NO: 012422-4  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 1/21/2022  
 TIME SAMPLED: 12:25 PM  
 DATE RECEIVED: 1/24/2022  
 TIME RECEIVED: 4:05 PM

SAMPLED BY: WPM/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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		1/25/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	67	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-133  
 LOCATION: SBC M-3

GTA PROJECT NO: 012422-4  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 1/21/2022  
 TIME SAMPLED: 11:55 AM  
 DATE RECEIVED: 1/24/2022  
 TIME RECEIVED: 4:05 PM

MI  
 SAMPLED BY: WPM/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)	TR	1/26/2022	WATER
	CONDUCTIVITY SM2510-B	780	1.0	uS/cm@25C	TR	1/26/2022	WATER

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



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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-133  
LOCATION: SBC M-3

GTA PROJECT NO: 012422-4  
GTA SAMPLE NO: 2  
DATE SAMPLED: 1/21/2022  
TIME SAMPLED: 12:35 PM  
DATE RECEIVED: 1/24/2022  
TIME RECEIVED: 4:05 PM

MI  
SAMPLED BY: WPM/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)	TR	1/26/2022	WATER
	CONDUCTIVITY SM2510-B	1,100	1.0	uS/cm@25C	TR	1/26/2022	WATER

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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-133  
LOCATION: SBC M-3

GTA PROJECT NO: 012422-4  
GTA SAMPLE NO: 3  
DATE SAMPLED: 1/21/2022  
TIME SAMPLED: 12:40 PM  
DATE RECEIVED: 1/24/2022  
TIME RECEIVED: 4:05 PM

MI  
SAMPLED BY: WPM/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)	TR	1/26/2022	WATER
	CONDUCTIVITY SM2510-B	480	1.0	uS/cm@25C	TR	1/26/2022	WATER

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DISS = DISSOLVED



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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-133  
LOCATION: SBC M-3

GTA PROJECT NO: 012422-4  
GTA SAMPLE NO: 4  
DATE SAMPLED: 1/21/2022  
TIME SAMPLED: 12:25 PM  
DATE RECEIVED: 1/24/2022  
TIME RECEIVED: 4:05 PM

MI  
SAMPLED BY: WPM/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-9						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	1/26/2022	WATER
	CONDUCTIVITY SM2510-B	510	1.0	uS/cm@25C	TR	1/26/2022	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 <b>20-133</b>	SITE NAME/ADDRESS <b>SBC M-3</b>	COMPANY/NAME <b>Breitborn</b> <del>68775</del>
SAMPLED BY <b>WPM</b>	COMPANY <b>OMPL</b>	GTA PROJECT # <b>012422-4</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	<b>MW-2</b>	<b>1-21-22</b>	<b>1155</b>	<b>H<sub>2</sub>O</b>	<b>BTEX, Chlorides, Conductivity</b>
	<b>MW-4D</b>	↓	<b>1235</b>	↓	↓
	<b>MW-5</b>	↓	<b>1240</b>	↓	↓
	<b>MW-9</b>	↓	<b>1225</b>	↓	↓

<b>BILL TO:</b>	TempRec: <input type="checkbox"/> <b>1.0°C</b>	On Ice? <input checked="" type="checkbox"/> <input type="checkbox"/>	<b>REPORT TO:</b> <b>Dan Barton</b>
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<b>RELEASED BY</b> <b>[Signature]</b>	<b>DATE/TIME</b> <b>1-24-22 1605</b>	<b>RECEIVED BY</b> <b>[Signature]</b>	<b>DATE/TIME</b> <b>1/24/22 1605</b>
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**REQUESTED TAT**  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS