



**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: 20-099  
GTA ProjNo: 040722-2

Site Addr: SBC B-16

Sampled By: WPM/OMPC  
Date Rec: 4/7/2022  
Time Rec: 8:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1D	4/5/2022	11:25 AM	WATER
2	MW-2D	4/5/2022	11:35 AM	WATER
3	MW-3D	4/5/2022	11:50 AM	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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[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)

COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	040722-2
PROJECT NO:	20-099	GTA SAMPLE NO:	1
LOCATION:	SBC B-16	DATE SAMPLED:	4/5/2022
		TIME SAMPLED:	11:25 AM
	MI	DATE RECEIVED:	4/7/2022
		TIME RECEIVED:	8:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-1D	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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/10/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	040722-2
PROJECT NO:	20-099	GTA SAMPLE NO:	2
LOCATION:	SBC B-16	DATE SAMPLED:	4/5/2022
		TIME SAMPLED:	11:35 AM
	MI	DATE RECEIVED:	4/7/2022
		TIME RECEIVED:	8:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-2D	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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/10/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-099  
 LOCATION: SBC B-16  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-3D

GTA PROJECT NO: 040722-2  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 4/5/2022  
 TIME SAMPLED: 11:50 AM  
 DATE RECEIVED: 4/7/2022  
 TIME RECEIVED: 8:45 AM

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		4/10/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-099  
LOCATION: SBC B-16

GTA PROJECT NO: 040722-2  
GTA SAMPLE NO: 1

DATE SAMPLED: 4/5/2022  
TIME SAMPLED: 11:25 AM  
DATE RECEIVED: 4/7/2022  
TIME RECEIVED: 8:45 AM

SAMPLED BY: MI  
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</u>
SAMPLE ID: MW-1D							
CHLORIDE EPA 300.0		840	50	mg/L (PPM)	TR	4/14/2022	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-099  
 LOCATION: SBC B-16

GTA PROJECT NO: 040722-2  
 GTA SAMPLE NO: 2

DATE SAMPLED: 4/5/2022  
 TIME SAMPLED: 11:35 AM  
 DATE RECEIVED: 4/7/2022  
 TIME RECEIVED: 8:45 AM

SAMPLED BY: MI  
 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</u>
	SAMPLE ID: MW-2D CHLORIDE EPA 300.0	250	10	mg/L (PPM)	TR	4/14/2022	WATER

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

COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-099  
 LOCATION: SBC B-16

GTA PROJECT NO: 040722-2  
 GTA SAMPLE NO: 3

DATE SAMPLED: 4/5/2022  
 TIME SAMPLED: 11:50 AM  
 DATE RECEIVED: 4/7/2022  
 TIME RECEIVED: 8:45 AM

SAMPLED BY: MI  
 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</u>
SAMPLE ID: MW-3D	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	4/14/2022	WATER

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

