



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: 070622-13

Site Addr: SBC M-3

Sampled By: WPM/OMPC
Date Rec: 7/6/2022
Time Rec: 4:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	7/5/2022	12:05 PM	WATER
2	MW-4D	7/5/2022	1:05 PM	WATER
3	MW-5	7/5/2022	12:55 PM	WATER
4	MW-9	7/5/2022	12:40 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
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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: 070622-13
GTA SAMPLE NO: 1
DATE SAMPLED: 7/5/2022
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 7/6/2022
TIME RECEIVED: 4:40 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	2.8	1.0	ug/L (PPB)	MR		7/10/2022	EPA 5030B
Toluene	3.1	1.0					
Ethylbenzene	180	1.0					
Xylene(Total)	500	3.0					

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: SBC M-3
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4D

GTA PROJECT NO: 070622-13
GTA SAMPLE NO: 2
DATE SAMPLED: 7/5/2022
TIME SAMPLED: 1:05 PM
DATE RECEIVED: 7/6/2022
TIME RECEIVED: 4:40 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		7/10/2022	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: 070622-13
 GTA SAMPLE NO: 3
 DATE SAMPLED: 7/5/2022
 TIME SAMPLED: 12:55 PM
 DATE RECEIVED: 7/6/2022
 TIME RECEIVED: 4:40 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	1.9	1.0	ug/L (PPB)	MR		7/10/2022	EPA 5030B
Toluene	1.5	1.0					
Ethylbenzene	41	1.0					
Xylene(Total)	17	3.0					

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PROJECT NO: 20-133
LOCATION: SBC M-3
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-9
GTA PROJECT NO: 070622-13
GTA SAMPLE NO: 4
DATE SAMPLED: 7/5/2022
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 7/6/2022
TIME RECEIVED: 4:40 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		7/10/2022	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	140	1.0					
Xylene(Total)	68	3.0					

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

GTA PROJECT NO: 070622-13
 GTA SAMPLE NO: 1
 DATE SAMPLED: 7/5/2022
 TIME SAMPLED: 12:05 PM
 DATE RECEIVED: 7/6/2022
 TIME RECEIVED: 4:40 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)	KC/TR	7/13/2022	WATER
	CONDUCTIVITY SM2510-B	840	1.0	uS/cm@25C	TR	7/12/2022	WATER

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 s.u. = STANDARD pH UNITS REPORTED AT 25 C
 DISS = DISSOLVED



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

GTA PROJECT NO: 070622-13
GTA SAMPLE NO: 2
DATE SAMPLED: 7/5/2022
TIME SAMPLED: 1:05 PM
DATE RECEIVED: 7/6/2022
TIME RECEIVED: 4:40 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)	KC/TR	7/13/2022	WATER
	CONDUCTIVITY SM2510-B	1,200	1.0	uS/cm@25C	TR	7/12/2022	WATER

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LOCATION: SBC M-3

GTA PROJECT NO: 070622-13
GTA SAMPLE NO: 3
DATE SAMPLED: 7/5/2022
TIME SAMPLED: 12:55 PM
DATE RECEIVED: 7/6/2022
TIME RECEIVED: 4:40 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)	KC/TR	7/13/2022	WATER
CONDUCTIVITY SM2510-B	560	1.0	uS/cm@25C	TR	7/12/2022	WATER

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

GTA PROJECT NO: 070622-13
GTA SAMPLE NO: 4
DATE SAMPLED: 7/5/2022
TIME SAMPLED: 12:40 PM
DATE RECEIVED: 7/6/2022
TIME RECEIVED: 4:40 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)	KC/TR	7/13/2022	WATER
	CONDUCTIVITY SM2510-B	590	1.0	uS/cm@25C	TR	7/12/2022	WATER

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DISS = DISSOLVED

CHAIN OF CUSTODY

PROJECT NUMBER 20-133	SITE NAME/ADDRESS SBC M-3	COMPANY/NAME Bretburn
SAMPLED BY WPM	COMPANY OMPC	GTA PROJECT # 070622-13

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-2	7-5-23	1205	H ₂ O	BTEX, Chloride + Conductivity
	MW-4D	↓	1305	↓	
	MW-5	↓	1255	↓	
	MW-9	↓	1240	↓	

BILL TO:	TempRec: <input type="checkbox"/> 3.9°C	On Ice? <input checked="" type="checkbox"/> <input type="checkbox"/>	REPORT TO: <i>Don Barton</i>
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RELEASED BY <i>[Signature]</i>	DATE/TIME 7-6-22 4:40	RECEIVED BY <i>[Signature]</i>	DATE/TIME 7/6/22 4:40
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS