



**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: 20-182  
GTA ProjNo: 040822-13

Site Addr: STATE GARFIELD 9-10

Sampled By: STEVEN HEMSTREET/OMPC  
Date Rec: 4/8/2022  
Time Rec: 9:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	4/7/2022	1:00 PM	WATER
2	MW-2	4/7/2022	1:40 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  
Grand Traverse Analytical  
830 Robinwood Court  
Traverse City, MI 49686  
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COMPANY: BREITBURN OPERATING  
 PROJECT NO: 20-182  
 LOCATION: STATE GARFIELD 9-10  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-1

GTA PROJECT NO: 040822-13  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 4/7/2022  
 TIME SAMPLED: 1:00 PM  
 DATE RECEIVED: 4/8/2022  
 TIME RECEIVED: 9:50 AM

SAMPLED BY: STEVEN HEMSTREET/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					

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: 20-182  
LOCATION: STATE GARFIELD 9-10  
MI  
SAMPLE MATRIX: WATER  
SAMPLE ID: MW-2

GTA PROJECT NO: 040822-13  
GTA SAMPLE NO: 2  
DATE SAMPLED: 4/7/2022  
TIME SAMPLED: 1:40 PM  
DATE RECEIVED: 4/8/2022  
TIME RECEIVED: 9:50 AM

SAMPLED BY: STEVEN HEMSTREET/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					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
ND = NOT DETECTED, RESULT < LOD  
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COMPANY: BREITBURN OPERATING  
PROJECT NO: 20-182  
LOCATION: STATE GARFIELD 9-10

GTA PROJECT NO: 040822-13  
GTA SAMPLE NO: 1  
DATE SAMPLED: 4/7/2022  
TIME SAMPLED: 1:00 PM  
DATE RECEIVED: 4/8/2022  
TIME RECEIVED: 9:50 AM

MI  
SAMPLED BY: STEVEN HEMSTREET/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-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	4/14/2022	WATER
	CONDUCTIVITY SM2510-B	220	1.0	uS/cm@25C	TR	4/14/2022	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: RIVERSIDE  
PROJECT NO: 20-180A  
LOCATION: STATE GARFIELD 1-8

GTA PROJECT NO: 040822-12  
GTA SAMPLE NO: 2  
DATE SAMPLED: 4/7/2022  
TIME SAMPLED: 4:20 PM  
DATE RECEIVED: 4/8/2022  
TIME RECEIVED: 9:50 AM

MI  
SAMPLED BY: STEVEN HEMSTREET/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	4/14/2022	WATER
	CONDUCTIVITY SM2510-B	260	1.0	uS/cm@25C	TR	4/14/2022	WATER

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


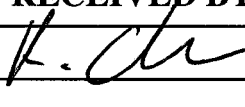
**CHAIN OF CUSTODY**

PROJECT NUMBER <b>20-182</b>	SITE NAME/ADDRESS <b>State Garfield 9+10</b>	COMPANY/NAME <b>Breitburn</b>
SAMPLED BY <b>Steven Hemstreet</b>	COMPANY <b>Otwell Mawby</b>	GTA PROJECT # <b>040822-13</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-1	4/7/22	1:00pm	Water	Chloride, Conductivity, BTEX
	MW-2	4/7/22	1:40pm	Water	" " "

<b>BILL TO:</b> <b>Breitburn</b>	TempRec: <input type="checkbox"/> <b>1.6°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>DATE/TIME</b> <b>4/8/22 9:50am</b>	<b>RECEIVED BY</b> 	<b>DATE/TIME</b> <b>4/8/22 9:50am</b>
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**REQUESTED TAT**  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS