



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: 10-229
GTA ProjNo: 062119-5

Site Addr: PREISS ROAD 2

Sampled By: MATTHEW SCOTT/OMPC
Date Rec: 6/21/2019
Time Rec: 1:05 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-4	6/20/2019		WATER
2	MW-5	6/20/2019		WATER
3	MW-6	6/20/2019		WATER
4	MW-6D	6/20/2019		WATER
5	MW-7	6/20/2019		WATER
6	MW-8	6/20/2019		WATER
7	MW-11	6/20/2019		WATER
8	MW-12	6/20/2019		WATER
9	MW-13	6/20/2019		WATER
10	MW-14	6/20/2019		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 L Chase

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-4

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 1
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

SAMPLED BY: MATTHEW SCOTT/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		6/25/2019	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
PROJECT NO: 10-229
LOCATION: PREISS ROAD 2
MI
SAMPLED BY: MATTHEW SCOTT/OMPC

GTA PROJECT NO: 062119-5
GTA SAMPLE NO: 1
DATE SAMPLED: 6/20/2019
TIME SAMPLED:
DATE RECEIVED: 6/21/2019
TIME RECEIVED: 1:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-4	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/24/2019	WATER

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2
 MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 2
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-5	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/24/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 3
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-6	CHLORIDE EPA 300.0	110	10	mg/L (PPM)	LV	6/24/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-6D	CHLORIDE EPA 300.0	15	10	mg/L (PPM)	LV	6/24/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 5
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-7	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/24/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 6
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-8	CHLORIDE EPA 300.0	49	10	mg/L (PPM)	LV	6/24/2019	WATER

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 7
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-11 CHLORIDE EPA 300.0	20	10	mg/L (PPM)	LV	6/24/2019	WATER

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COMPANY: BREITBURN OPERATING
PROJECT NO: 10-229
LOCATION: PREISS ROAD 2
MI
SAMPLED BY: MATTHEW SCOTT/OMPC

GTA PROJECT NO: 062119-5
GTA SAMPLE NO: 8
DATE SAMPLED: 6/20/2019
TIME SAMPLED:
DATE RECEIVED: 6/21/2019
TIME RECEIVED: 1:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-12	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/24/2019	WATER

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 9
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-13 CHLORIDE EPA 300.0	24	10	mg/L (PPM)	LV	6/24/2019	WATER

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 10-229
 LOCATION: PREISS ROAD 2
 MI
 SAMPLED BY: MATTHEW SCOTT/OMPC

GTA PROJECT NO: 062119-5
 GTA SAMPLE NO: 10
 DATE SAMPLED: 6/20/2019
 TIME SAMPLED:
 DATE RECEIVED: 6/21/2019
 TIME RECEIVED: 1:05 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-14	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	6/24/2019	WATER

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 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

CHAIN OF CUSTODY

PROJECT NUMBER <i>10-229</i>	SITE NAME/ADDRESS <i>Preiss Road 2</i>	COMPANY/NAME <i>ompc</i>
SAMPLED BY <i>Matthew Scott</i>	COMPANY <i>ompc</i>	GTA PROJECT # <i>062119-5</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-4</i>	<i>6/20/19</i>		<i>water</i>	<i>Chlorides, H1Ps</i>
2	<i>MW-5</i>				<i>Chlorides</i>
3	<i>MW-6</i>		<i>Chlorides</i>		
4	<i>MW-6D</i>		<i>Chlorides</i>		
5	<i>MW-7</i>		<i>Chlorides</i>		
6	<i>MW-8</i>		<i>Chlorides</i>		
7	<i>MW-11</i>		<i>Chlorides</i>		
8	<i>MW-12</i>		<i>Chlorides</i>		
9	<i>MW-13</i>		<i>Chlorides</i>		
10	<i>MW-14</i>		<i>Chlorides</i>		

BILL TO:
Breitburn

REPORT TO:
ompc / Breitburn

RELEASED BY <i>[Signature]</i>	DATE/TIME <i>6/21/19 1:05pm</i>	RECEIVED BY <i>[Signature]</i>	DATE/TIME <i>6/21/19 1:05p</i> <i>rec cold</i>
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS