



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: 13.079
GTA ProjNo: 101421-5

Site Addr: SOUTH CAPLE

Sampled By: KWB/HURON
Date Rec: 10/14/2021
Time Rec: 11:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	OW-1	10/13/2021		WATER
2	OW-4	10/13/2021		WATER
3	MW-5	10/13/2021		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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830 Robinwood Court
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COMPANY: BREITBURN OPERATING

NAME:

PROJECT NO: 13.079

LOCATION: SOUTH CAPLE

GTA PROJECT NO: 101421-5

GTA SAMPLE NO: 3

DATE SAMPLED: 10/13/2021

TIME SAMPLED:

DATE RECEIVED: 10/14/2021

TIME RECEIVED: 11:50 AM

SAMPLED BY: MI
KWB/HURON

ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	MW-5							
SAMPLE MATRIX:	WATER							
TRIETHYLENE GLYCOL EPA 8015M		ND	4.0	mg/L (PPM)	KC/TR	10/18/2021	10/20/2021	EPA 3511

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: 13.079
LOCATION: SOUTH CAPLE

GTA PROJECT NO: 101421-5
GTA SAMPLE NO: 1
DATE SAMPLED: 10/13/2021
TIME SAMPLED:
DATE RECEIVED: 10/14/2021
TIME RECEIVED: 11:50 AM

MI
SAMPLED BY: KWB/HURON

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: OW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	10/20/2021	WATER
	CONDUCTIVITY SM2510-B	300	1.0	uS/cm@25C	TR	10/19/2021	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: 13.079
LOCATION: SOUTH CAPLE

GTA PROJECT NO: 101421-5
GTA SAMPLE NO: 2
DATE SAMPLED: 10/13/2021
TIME SAMPLED:
DATE RECEIVED: 10/14/2021
TIME RECEIVED: 11:50 AM

MI
SAMPLED BY: KWB/HURON

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: OW-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	10/20/2021	WATER
	CONDUCTIVITY SM2510-B	420	1.0	uS/cm@25C	TR	10/19/2021	WATER

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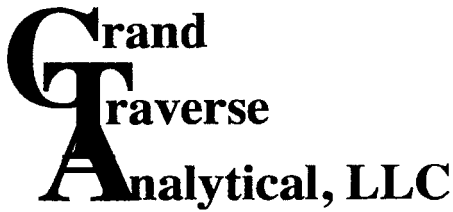
COMPANY: BREITBURN OPERATING
PROJECT NO: 13.079
LOCATION: SOUTH CAPLE
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 101421-5
GTA SAMPLE NO: 3
DATE SAMPLED: 10/13/2021
TIME SAMPLED:
DATE RECEIVED: 10/14/2021
TIME RECEIVED: 11:50 AM

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	10/20/2021	WATER
	CONDUCTIVITY SM2510-B	420	1.0	uS/cm@25C	TR	10/19/2021	WATER

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CHAIN OF CUSTODY

PROJECT NUMBER 13.079	SITE NAME/ADDRESS South Caple	COMPANY/NAME BreitBurn Operating
SAMPLED BY KWB	COMPANY Huron Engineering & Surveying	GTA PROJECT # 10/14/21-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	OW 1	10/13/21		GW	Chloride and Specific Conductance
	OW 4	10/13/21		GW	Chloride and Specific Conductance
	MW 5	10/13/21		GW	Chloride, Specific Conductance & TEG
					Chloride & TEG mg/l
					SC µmhos/cm

BILL TO: BreitBurn Operating Direct Bill
Report To: Kim Wallis-Burke, Huron Engineering & Surveying kim.wallis-burke@huronesi.com

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>Kimberly Wallis-Burke</i>		<i>Alpena UPS</i>	<i>10/13/21</i>
		<i>[Signature]</i>	<i>10/14/21 11:50</i>
		<i>re 40°C once</i>	

REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS