



**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: 70183  
GTA ProjNo: 092719-5

Site Addr: NEW CALEDONIA

Sampled By: HOLLIS THOMAS/DARCY  
Date Rec: 9/27/2019  
Time Rec: 1:20 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	9/24/2019	5:50 PM	WATER
2	MW-3	9/24/2019	6:10 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 L Chase*

Kirk L. Chase/Chemist  
Grand Traverse Analytical  
830 Robinwood Court  
Traverse City, MI 49686  
Ph: 231-929-0905  
Fx: 231-929-0894  
SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



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COMPANY: BREITBURN OPERATING  
PROJECT NO: 70183  
LOCATION: NEW CALEDONIA  
  
MI  
SAMPLED BY: HOLLIS THOMAS/DARCY

GTA PROJECT NO: 092719-5  
GTA SAMPLE NO: 1  
DATE SAMPLED: 9/24/2019  
TIME SAMPLED: 5:50 PM  
DATE RECEIVED: 9/27/2019  
TIME RECEIVED: 1:20 PM

**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)	LV	10/11/2019	WATER
	CONDUCTIVITY SM2510-B	600	1.0	uS/cm@25C	LV	10/10/2019	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: 70183  
LOCATION: NEW CALEDONIA  
MI  
SAMPLED BY: HOLLIS THOMAS/DARCY

GTA PROJECT NO: 092719-5  
GTA SAMPLE NO: 2  
DATE SAMPLED: 9/24/2019  
TIME SAMPLED: 6:10 PM  
DATE RECEIVED: 9/27/2019  
TIME RECEIVED: 1:20 PM

**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-3						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/11/2019	WATER
	CONDUCTIVITY SM2510-B	390	1.0	uS/cm@25C	LV	10/10/2019	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>70183</b>	SITE NAME/ADDRESS <b>New Caledonia</b>	COMPANY/NAME <b>BreitBrew Ops LP</b>
SAMPLED BY <b>[Signature]</b>	COMPANY <b>Dary</b>	GTA PROJECT # <b>092719-5</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	<b>MW-2</b>	<b>9/24/19</b>	<b>5:50p</b>	<b>GW</b>	<b>CI, SC</b>
	<b>MW-3</b>	<b>9/24/19</b>	<b>6:10pm</b>	<b>GW</b>	<b>CI, SC</b>

<b>BILL TO:</b> <b>BB</b>	<b>REPORT TO:</b> <b>Dary</b>
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<b>RELEASED BY</b> <b>[Signature]</b>	<b>DATE/TIME</b> <b>9/27/19 1:20pm</b>	<b>RECEIVED BY</b> <b>[Signature]</b>	<b>DATE/TIME</b> <b>9/27/19 1:20p</b>
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**REQUESTED TAT**  **STANDARD**  **1 BUSINESS DAY**  **2 BUSINESS DAYS**  **3 BUSINESS DAYS**