Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB
830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686
PH: 231-929-0905 FAX: 231-929-0894
www.gtanalytical.com

Company:	BREITBURN OPERATING	Site Addr:	HAPPY HILLMAN
Name:			
ClientProj:	21A8141CF		
		Sampled By:	HWT - DARCY CONSULTING
GTA ProjNo:	021420-6	Date Rec:	2/14/2020
		Time Rec:	11:15 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-2	2/12/2020	2:35 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
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB
830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686
PH: 231-929-0905 FAX: 231-929-0894
www.gtanalytical.com

COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	021420-6
		GTA SAMPLE NO:	1
PROJECT NO:	21A8141CF		
LOCATION:	HAPPY HILLMAN	DATE SAMPLED:	2/12/2020
		TIME SAMPLED:	2:35 PM
		DATE RECEIVED:	2/14/2020
		TIME RECEIVED:	11:15 AM
	MI		
SAMPLED BY:	HWT - DARCY CONSULTING		

SAMPLE ANALYSIS

No: Analysis	Concentration	LOD	Units	Analyst	Date Completed	Sample Matrix
SAMPLE ID: **MW-2**						
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	2/14/2020	WATER
CONDUCTIVITY SM2510-B	340	1.0	uS/cm@25C	LV	2/14/2020	WATER

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

Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905 FAX: 231-929-0894

www.gtanalytical.com

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
21A8141CF	Happy Hillman	BreitBurn Operating LP
SAMPLED BY	**COMPANY**	**GTA PROJECT #**
HWT	Darcy Consulting	021420-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-2	2/12/20	2:35	GWTR	Cl⁻, Sp. Cond

BILL TO: BreitBurn Operating

REPORT TO: Darcy Consulting

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
	2/14/20 11:15a	K.	2/14/20 11:15a

REQUESTED TAT ☑ **STANDARD** ☐ **1 BUSINESS DAY** ☐ **2 BUSINESS DAYS** ☐ **3 BUSINESS DAYS**