



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: 2214827
GTA ProjNo: 050119-9

Site Addr: ST. GARFIELD #9 FACILITY

Sampled By: HOLLIS THOMAS/DARCY
Date Rec: 5/1/2019
Time Rec: 2:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	4/30/2019	12:00 PM	WATER
2	MW-2	4/30/2019	11:30 AM	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
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COMPANY: BREITBURN OPERATING
PROJECT NO: 2214827
LOCATION: ST. GARFIELD #9 FACILITY

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

GTA PROJECT NO: 050119-9
GTA SAMPLE NO: 1

DATE SAMPLED: 4/30/2019
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 5/1/2019
TIME RECEIVED: 2:40 PM

SAMPLED BY: HOLLIS THOMAS/DARCY

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		5/2/2019	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: 2214827
LOCATION: ST. GARFIELD #9 FACILITY

MI

SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 050119-9
GTA SAMPLE NO: 2

DATE SAMPLED: 4/30/2019
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 5/1/2019
TIME RECEIVED: 2:40 PM

SAMPLED BY: HOLLIS THOMAS/DARCY

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		5/2/2019	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.
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COMPANY: BREITBURN OPERATING
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LOCATION: ST. GARFIELD #9 FACILITY

GTA PROJECT NO: 050119-9
GTA SAMPLE NO: 1

DATE SAMPLED: 4/30/2019
TIME SAMPLED: 12:00 PM

DATE RECEIVED: 5/1/2019
TIME RECEIVED: 2:40 PM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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)	LV	5/3/2019	WATER
	CONDUCTIVITY SM2510-B	180	1.0	uS/cm@25C	LV	5/3/2019	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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LOCATION: ST. GARFIELD #9 FACILITY

GTA PROJECT NO: 050119-9
GTA SAMPLE NO: 2

DATE SAMPLED: 4/30/2019
TIME SAMPLED: 11:30 AM

DATE RECEIVED: 5/1/2019
TIME RECEIVED: 2:40 PM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY

SAMPLE RESULTS

<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	5/3/2019	WATER
	CONDUCTIVITY SM2510-B	130	1.0	uS/cm@25C	LV	5/3/2019	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 2214827	SITE NAME/ADDRESS STATE GARFIELD #9 FACILITY	COMPANY/NAME Breithorn Apr LP
SAMPLED BY [Signature]	COMPANY Darcy	GTA PROJECT # 050119-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-1	4/30/19	12pm	GW	BTEX, CI 1/3 SC
	MW-2	4/30/19	11:30am	GW	BTEX, CI 1/3 SC

BILL TO:

BB

REPORT TO:

Darcy

RELEASED BY [Signature]	DATE/TIME 5/1/19 2:40p	RECEIVED BY K. Chu	DATE/TIME 5/1/19 2:40p
		See - 20C	

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