



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: 102819-10

Site Addr: ST. GARFIELD #9 FACILITY

Sampled By: HOLLIS THOMAS/DARCY

Date Rec: 10/28/2019

Time Rec: 10:15 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	10/26/2019	3:30 PM	WATER
2	MW-2	10/26/2019	3:15 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
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COMPANY: BREITBURN OPERATING
PROJECT NO: 2214827
LOCATION: ST. GARFIELD #9 FACILITY

GTA PROJECT NO: 102819-10
GTA SAMPLE NO: 1

DATE SAMPLED: 10/26/2019
TIME SAMPLED: 3:30 PM
DATE RECEIVED: 10/28/2019
TIME RECEIVED: 10:15 AM

MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-1

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		10/29/2019	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

GTA PROJECT NO: 102819-10
GTA SAMPLE NO: 2

DATE SAMPLED: 10/26/2019
TIME SAMPLED: 3:15 PM
DATE RECEIVED: 10/28/2019
TIME RECEIVED: 10:15 AM

MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

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		10/29/2019	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
PROJECT NO: 2214827
LOCATION: ST. GARFIELD #9 FACILITY

GTA PROJECT NO: 102819-10
GTA SAMPLE NO: 1

DATE SAMPLED: 10/26/2019
TIME SAMPLED: 3:30 PM

DATE RECEIVED: 10/28/2019
TIME RECEIVED: 10:15 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY

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-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/6/2019	WATER
	CONDUCTIVITY SM2510-B	190	1.0	uS/cm@25C	LV	11/6/2019	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: 2214827
LOCATION: ST. GARFIELD #9 FACILITY

GTA PROJECT NO: 102819-10
GTA SAMPLE NO: 2

DATE SAMPLED: 10/26/2019
TIME SAMPLED: 3:15 PM

DATE RECEIVED: 10/28/2019
TIME RECEIVED: 10:15 AM

MI
SAMPLED BY: HOLLIS THOMAS/DARCY

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	11/6/2019	WATER
	CONDUCTIVITY SM2510-B	260	1.0	uS/cm@25C	LV	11/6/2019	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 Brithorn Am LP
SAMPLED BY gillis	COMPANY Darry	GTA PROJECT # 102819-10

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-1	10/26/19	3:30 pm	GW	CI, SC & BTEX
	MW-2	10/26/19	3:15 pm	GW	CI, SC & BTEX

BILL TO:

BB

REPORT TO:

Darry

RELEASED BY gillis W. Ch	DATE/TIME 10/28/19 10:15 AM	RECEIVED BY L. J. [Signature]	DATE/TIME 10/28/19 10:15

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