

**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: 16-169A
GTA ProjNo: 022421-2

Site Addr: SBC E-1

Sampled By: MATT SCOTT/OMPC
Date Rec: 2/24/2021
Time Rec: 2:13 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	2/23/2021		WATER
2	MW-5	2/23/2021		WATER
3	MW-8	2/23/2021		WATER
4	MW-9	2/23/2021		WATER
5	MW-10	2/23/2021		WATER
6	MW-11	2/23/2021		WATER
7	MW-13	2/23/2021		WATER
8	MW-14	2/23/2021		WATER
9	MW-15	2/23/2021		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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COMPANY: BREITBURN OPERATING

PROJECT NO: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 1

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

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	19	10	mg/L (PPM)	LV	2/25/2021	WATER
	CONDUCTIVITY SM2510-B	250	1.0	uS/cm@25C	LV	2/25/2021	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: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 2

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-5

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration**LOD****Units****Analyst****Date Completed****Sample Matrix**

62

10

mg/L (PPM)

LV

2/25/2021

WATER

450

1.0

uS/cm@25C

LV

2/25/2021

WATER

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COMPANY: BREITBURN OPERATING

PROJECT NO: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 3

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-8

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

260

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

LV

LV

Date Completed

2/26/2021

2/26/2021

Sample Matrix

WATER

WATER

ND = NOT DETECTED, RESULT < LOD

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COMPANY: BREITBURN OPERATING

PROJECT NO: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 4

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-9

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

91

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

LV

LV

Date Completed

2/26/2021

2/26/2021

Sample Matrix

WATER

WATER

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DISS = DISSOLVED

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COMPANY: BREITBURN OPERATING

PROJECT NO: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 5

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-10

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

210

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

LV

LV

Date Completed

2/26/2021

2/26/2021

Sample Matrix

WATER

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: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 6

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-11

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

34

480

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

LV

LV

Date Completed

2/26/2021

2/26/2021

Sample Matrix

WATER

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

GTA PROJECT NO: 022421-2

PROJECT NO: 16-169A

GTA SAMPLE NO: 7

LOCATION: SBC E-1

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis****Concentration****LOD****Units****Analyst****Date Completed****Sample Matrix**

SAMPLE ID: MW-13

CHLORIDE EPA 300.0

110

10

mg/L (PPM)

LV

2/26/2021

WATER

CONDUCTIVITY SM2510-B

780

1.0

uS/cm@25C

LV

2/26/2021

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: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 8

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-14

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration**LOD****Units****Analyst****Date Completed****Sample Matrix**

34

10

mg/L (PPM)

LV

2/26/2021

WATER

220

1.0

uS/cm@25C

LV

2/26/2021

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: 16-169A

LOCATION: SBC E-1

GTA PROJECT NO: 022421-2

GTA SAMPLE NO: 9

DATE SAMPLED: 2/23/2021

TIME SAMPLED:

DATE RECEIVED: 2/24/2021

TIME RECEIVED: 2:13 PM

MI

SAMPLED BY: MATT SCOTT/OMPC

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-15

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

34

170

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

LV

LV

Date Completed

2/26/2021

2/26/2021

Sample Matrix

WATER

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

CHAIN OF CUSTODY

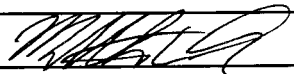
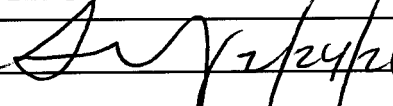
PROJECT NUMBER 16-169 A	SITE NAME/ADDRESS SBC E-1	COMPANY/NAME Brettburn
SAMPLED BY 	COMPANY OmPC	GTA PROJECT # 022421-Z

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	2/23/21		Water	Chlorides + Conductivity
2	MW-5				
3	MW-8				
4	MW-9				
5	MW-10				
6	MW-11				
7	MW-13				
8	MW-14				
9	MW-15				

BILL TO: Brettburn

REPORT TO: OmPC

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
	2/24/21		2/23
			MC

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