



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: 20-060
GTA ProjNo: 030420-4

Site Addr: BEAVER CREEK C3-8

Sampled By: STEVEN HEMSTREET/OMPC
Date Rec: 3/4/2020
Time Rec: 1:55 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	FLOOR-1 @ 17'	3/4/2020	11:00 AM	SOIL
2	FLOOR-2 @ 17'	3/4/2020	11:00 AM	SOIL
3	WALL-1 @ 5'	3/4/2020	11:00 AM	SOIL
4	WALL-2 @ 12'	3/4/2020	11:00 AM	SOIL
5	WALL-3 @ 5'	3/4/2020	11:00 AM	SOIL
6	WALL-4 @ 12'	3/4/2020	11:00 AM	SOIL
7	WALL-5 @ 5'	3/4/2020	11:00 AM	SOIL
8	WALL-6 @ 8'	3/4/2020	11:00 AM	SOIL
9	WALL-7 @ 7'	3/4/2020	11:00 AM	SOIL
10	WALL-8 @ 4'	3/4/2020	11:00 AM	SOIL

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
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COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	030420-4
PROJECT NO:	20-060	GTA SAMPLE NO:	1
LOCATION:	BEAVER CREEK C3-8	DATE SAMPLED:	3/4/2020
		TIME SAMPLED:	11:00 AM
	MI	DATE RECEIVED:	3/4/2020
		TIME RECEIVED:	1:55 PM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	STEVEN HEMSTREET/OMPC
SAMPLE ID:	FLOOR-1 @ 17'	**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.	

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-060
LOCATION: BEAVER CREEK C3-8
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: FLOOR-2 @ 17'

GTA PROJECT NO: 030420-4
GTA SAMPLE NO: 2
DATE SAMPLED: 3/4/2020
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 3/4/2020
TIME RECEIVED: 1:55 PM

SAMPLED BY: STEVEN HEMSTREET/OMPC
**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: WALL-1 @ 5'

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 3
 DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

SAMPLED BY: STEVEN HEMSTREET/OMPC
 **THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BREITBURN OPERATING

PROJECT NO: 20-060

LOCATION: BEAVER CREEK C3-8

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: WALL-2 @ 12'

GTA PROJECT NO: 030420-4

GTA SAMPLE NO: 4

DATE SAMPLED: 3/4/2020

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 3/4/2020

TIME RECEIVED: 1:55 PM

SAMPLED BY: STEVEN HEMSTREET/OMPC

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EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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LOD = LIMIT OF DETECTION

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-060
LOCATION: BEAVER CREEK C3-8
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: WALL-3 @ 5'

GTA PROJECT NO: 030420-4
GTA SAMPLE NO: 5
DATE SAMPLED: 3/4/2020
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 3/4/2020
TIME RECEIVED: 1:55 PM

SAMPLED BY: STEVEN HEMSTREET/OMPC
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EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	030420-4
PROJECT NO:	20-060	GTA SAMPLE NO:	6
LOCATION:	BEAVER CREEK C3-8	DATE SAMPLED:	3/4/2020
		TIME SAMPLED:	11:00 AM
	MI	DATE RECEIVED:	3/4/2020
		TIME RECEIVED:	1:55 PM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	STEVEN HEMSTREET/OMPC
SAMPLE ID:	WALL-4 @ 12'	**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.	

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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 LOD = LIMIT OF DETECTION

COMPANY: BREITBURN OPERATING

PROJECT NO: 20-060

LOCATION: BEAVER CREEK C3-8

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: WALL-5 @ 5'

GTA PROJECT NO: 030420-4

GTA SAMPLE NO: 7

DATE SAMPLED: 3/4/2020

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 3/4/2020

TIME RECEIVED: 1:55 PM

SAMPLED BY: STEVEN HEMSTREET/OMPC

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EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: WALL-6 @ 8'

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 8
 DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

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<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BREITBURN OPERATING

PROJECT NO: 20-060

LOCATION: BEAVER CREEK C3-8

MI

SAMPLE MATRIX: SOIL

SAMPLE ID: WALL-7 @ 7'

GTA PROJECT NO: 030420-4

GTA SAMPLE NO: 9

DATE SAMPLED: 3/4/2020

TIME SAMPLED: 11:00 AM

DATE RECEIVED: 3/4/2020

TIME RECEIVED: 1:55 PM

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<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: WALL-8 @ 4'

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 10
 DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

SAMPLED BY: STEVEN HEMSTREET/OMPC
 **THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPM) MR		3/4/2020	3/4/2020	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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 LOD = LIMIT OF DETECTION

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 1
 DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: FLOOR-1 @ 17' CHLORIDE EPA 300.0	ND	51	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 2

DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: FLOOR-2 @ 17' CHLORIDE EPA 300.0	ND	47	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 3

DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-1 @ 5' CHLORIDE EPA 300.0	ND	50	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 4

DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-2 @ 12' CHLORIDE EPA 300.0	ND	50	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 5

DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-3 @ 5' CHLORIDE EPA 300.0	ND	50	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 6

DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-4 @ 12' CHLORIDE EPA 300.0	ND	47	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-060
LOCATION: BEAVER CREEK C3-8
MI
SAMPLED BY: STEVEN HEMSTREET/OMPC

GTA PROJECT NO: 030420-4
GTA SAMPLE NO: 7
DATE SAMPLED: 3/4/2020
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 3/4/2020
TIME RECEIVED: 1:55 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-5 @ 5' CHLORIDE EPA 300.0	ND	44	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 8
 DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-6 @ 8' CHLORIDE EPA 300.0	ND	50	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-060
 LOCATION: BEAVER CREEK C3-8

GTA PROJECT NO: 030420-4
 GTA SAMPLE NO: 9

DATE SAMPLED: 3/4/2020
 TIME SAMPLED: 11:00 AM
 DATE RECEIVED: 3/4/2020
 TIME RECEIVED: 1:55 PM

MI
 SAMPLED BY: STEVEN HEMSTREET/OMPC

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-7 @ 7' CHLORIDE EPA 300.0	ND	46	mg/Kg (PPM)	KC	3/4/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-060
LOCATION: BEAVER CREEK C3-8
MI
SAMPLED BY: STEVEN HEMSTREET/OMPC

GTA PROJECT NO: 030420-4
GTA SAMPLE NO: 10
DATE SAMPLED: 3/4/2020
TIME SAMPLED: 11:00 AM
DATE RECEIVED: 3/4/2020
TIME RECEIVED: 1:55 PM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: WALL-8 @ 4' CHLORIDE EPA 300.0	ND	50	mg/Kg (PPM)	KC	3/4/2020	SOIL

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



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:
PROJECT NO: 20-060

LOCATION: BEAVER CREEK C3-8

MI

GTA PROJECT NO: 030420-4
SAMPLED BY: STEVEN HEMSTREET/OMPC

DATE SAMPLED: 3/4/2020
TIME SAMPLED: 11:00 AM
SAMPLE MATRIX: SOIL

DATE RECEIVED: 3/4/2020
TIME RECEIVED: 1:55 PM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
SAMPLE ID: FLOOR-1 @ 17' % MOISTURE EPA 3550C	5.1	0.050	% OF	AS	3/4/2020
SAMPLE ID: FLOOR-2 @ 17' % MOISTURE EPA 3550C	4.6	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-1 @ 5' % MOISTURE EPA 3550C	8.6	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-2 @ 12' % MOISTURE EPA 3550C	6.9	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-3 @ 5' % MOISTURE EPA 3550C	6.1	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-4 @ 12' % MOISTURE EPA 3550C	6.9	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-5 @ 5' % MOISTURE EPA 3550C	3.8	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-6 @ 8' % MOISTURE EPA 3550C	4.7	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-7 @ 7' % MOISTURE EPA 3550C	4.3	0.050	% OF	AS	3/4/2020
SAMPLE ID: WALL-8 @ 4' % MOISTURE EPA 3550C	7.2	0.050	% OF	AS	3/4/2020

CHAIN OF CUSTODY

PROJECT NUMBER 20-060	SITE NAME/ADDRESS Beaver Creek C3-8	COMPANY/NAME Breitburn
SAMPLED BY Steven Hemstreet	COMPANY Otwell Mawby	GTA PROJECT # 030420-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Floor-1@17'	3-4-20	11:00am	Soil	Chloride, BTEX +4
2	Floor-2@17'	↓	↓	↓	" "
3	Wall-1@5'				" "
4	Wall-2@12'				" "
5	Wall-3@5'				" "
6	Wall-4@12'				" "
7	Wall-5@5'				" "
8	Wall-6@8'				" "
9	Wall-7@7'				" "
10	Wall-8@4'				" "

BILL TO:

Breitburn

REPORT TO:

**Otwell Mawby
Steve Niehaus**

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 3-4-20 1:55

[Signature] 3/4/20 1:55p

Per 6.7% on ice

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