



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: 20-305
GTA ProjNo: 091420-1

Site Addr: CONN MELLAND 1
PERMIT # 14355

Sampled By: D. COOPER/OMPC
Date Rec: 9/14/2020
Time Rec: 9:55 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	VSR-1 BASE	9/11/2020	4:30 PM	SOIL
2	VSR-2 BASE	9/11/2020	4:35 PM	SOIL
3	VSR-3 BASE	9/11/2020	4:45 PM	SOIL
4	VSR-4 BASE	9/11/2020	4:55 PM	SOIL
5	VSR-4 3' BASE	9/11/2020	5:05 PM	SOIL
6	VSR-5 BASE	9/11/2020	5:10 PM	SOIL
7	VSR-6 BASE	9/11/2020	5:30 PM	SOIL
8	VSR-7 BASE	9/11/2020	5:40 PM	SOIL
9	VSR-4 8' BASE	9/11/2020	5:55 PM	SOIL
10	VSR-8 BASE	9/11/2020	6:05 PM	SOIL
11	VSR-8 @ 6'	9/11/2020	6:10 PM	SOIL
12	VSR-6 @ 4'	9/11/2020	6:15 PM	SOIL
13	VSR-9 SIDE WALL	9/11/2020	6:22 PM	SOIL
14	VSR-10 SIDE WALL	9/11/2020	6:25 PM	SOIL
15	VSR-11 SIDE WALL	9/11/2020	6:28 PM	SOIL
16	VSR-6 @ 8'	9/11/2020	6:30 PM	SOIL
17	VSR-12 SIDE WALL	9/11/2020	7:03 PM	SOIL
18	VSR-13 SIDE WALL	9/11/2020	7:05 PM	SOIL
19	VSR-14 SIDE WALL	9/11/2020	7:15 PM	SOIL
20	VSR-15 SIDE WALL	9/11/2020	7:18 PM	SOIL
21	VSR-16 SIDE WALL	9/11/2020	7:20 PM	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
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: VSR-1 BASE

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 1
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 4:30 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: BREITBURN OPERATING

PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: VSR-2 BASE

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 2

DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 4:35 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-3 BASE

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 3
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-4 BASE

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 4
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:55 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: VSR-5 BASE

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 6
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 5:10 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: BREITBURN OPERATING

PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: VSR-6 BASE

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 7

DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 5:30 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-7 BASE

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 8
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 5:40 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-4 8' BASE

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 9
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 5:55 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: VSR-8 BASE

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 10
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 6:05 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-9 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 13
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:22 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-10 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 14
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:25 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-11 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 15
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:28 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-12 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 17
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:03 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-13 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 18
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:05 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-14 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 19
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:15 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-15 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 20
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:18 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: VSR-16 SIDE WALL

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 21
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:20 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

SAMPLED BY: D. COOPER/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 (PPB)	MR	9/11/2020	9/14/2020	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: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 1
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:30 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-1 BASE CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 2
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:35 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-2 BASE CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 3
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:45 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-3 BASE CHLORIDE EPA 300.0	4,500	110	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 4
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:55 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-4 BASE CHLORIDE EPA 300.0	1,800	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 5
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 5:05 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

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: VSR-4 3' BASE CHLORIDE EPA 300.0	4,200	110	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 6
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 5:10 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

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: VSR-5 BASE CHLORIDE EPA 300.0	2,400	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 7
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 5:30 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-6 BASE CHLORIDE EPA 300.0	12,000	530	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 8
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 5:40 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-7 BASE CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 9
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 5:55 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-4 8' BASE CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 10
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:05 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-8 BASE CHLORIDE EPA 300.0	13,000	540	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 11
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:10 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-8 @ 6' CHLORIDE EPA 300.0	650	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 12
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:15 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-6 @ 4' CHLORIDE EPA 300.0	12,000	530	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 13
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:22 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-9 SIDE WALL CHLORIDE EPA 300.0	3,000	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 14
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 6:25 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

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: VSR-10 SIDE WALL CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 15
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:28 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-11 SIDE WALL CHLORIDE EPA 300.0	ND	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 16
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 6:30 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

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: VSR-6 @ 8' CHLORIDE EPA 300.0	3,800	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 17
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 7:03 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

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: VSR-12 SIDE WALL CHLORIDE EPA 300.0	120	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 18
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:05 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-13 SIDE WALL CHLORIDE EPA 300.0	360	100	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 19
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:15 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-14 SIDE WALL CHLORIDE EPA 300.0	6,500	540	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
PROJECT NO: 20-305
LOCATION: CONN MELLAND 1
PERMIT # 14355
MI
SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
GTA SAMPLE NO: 20
DATE SAMPLED: 9/11/2020
TIME SAMPLED: 7:18 PM
DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-15 SIDE WALL CHLORIDE EPA 300.0	7,600	520	mg/Kg (PPM)	LV	9/14/2020	SOIL

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

COMPANY: BREITBURN OPERATING
 PROJECT NO: 20-305
 LOCATION: CONN MELLAND 1
 PERMIT # 14355
 MI
 SAMPLED BY: D. COOPER/OMPC

GTA PROJECT NO: 091420-1
 GTA SAMPLE NO: 21
 DATE SAMPLED: 9/11/2020
 TIME SAMPLED: 7:20 PM
 DATE RECEIVED: 9/14/2020
 TIME RECEIVED: 9:55 AM

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: VSR-16 SIDE WALL CHLORIDE EPA 300.0	11,000	530	mg/Kg (PPM)	LV	9/14/2020	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: 20-305

LOCATION: CONN MELLAND 1
PERMIT # 14355

MI

GTA PROJECT NO: 091420-1
SAMPLED BY: D. COOPER/OMPC

DATE SAMPLED: 9/11/2020
TIME SAMPLED: 4:30 PM
SAMPLE MATRIX: SOIL

DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-1 BASE % MOISTURE EPA 3550C	5.2	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-2 BASE % MOISTURE EPA 3550C	3.2	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-3 BASE % MOISTURE EPA 3550C	6.2	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-4 BASE % MOISTURE EPA 3550C	3.7	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-4 3' BASE % MOISTURE EPA 3550C	5.9	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-5 BASE % MOISTURE EPA 3550C	4.2	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-6 BASE % MOISTURE EPA 3550C	6.7	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-7 BASE % MOISTURE EPA 3550C	5.2	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-4 8' BASE % MOISTURE EPA 3550C	1.5	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-8 BASE % MOISTURE EPA 3550C	7.6	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-8 @ 6' % MOISTURE EPA 3550C	1.3	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-6 @ 4' % MOISTURE EPA 3550C	6.9	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-9 SIDE WALL % MOISTURE EPA 3550C	4.2	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-10 SIDE WALL % MOISTURE EPA 3550C	1.0	0.050	% OF SAMPLE	AS	9/14/2020



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: 20-305

LOCATION: CONN MELLAND 1
PERMIT # 14355

MI

GTA PROJECT NO: 091420-1
SAMPLED BY: D. COOPER/OMPC

DATE SAMPLED: 9/11/2020
TIME SAMPLED: 6:28 PM
SAMPLE MATRIX: SOIL

DATE RECEIVED: 9/14/2020
TIME RECEIVED: 9:55 AM

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: VSR-11 SIDE WALL % MOISTURE EPA 3550C	1.9	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-6 @ 8' % MOISTURE EPA 3550C	3.1	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-12 SIDE WALL % MOISTURE EPA 3550C	3.6	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-13 SIDE WALL % MOISTURE EPA 3550C	2.0	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-14 SIDE WALL % MOISTURE EPA 3550C	7.9	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-15 SIDE WALL % MOISTURE EPA 3550C	5.4	0.050	% OF SAMPLE	AS	9/14/2020
SAMPLE ID: VSR-16 SIDE WALL % MOISTURE EPA 3550C	6.4	0.050	% OF SAMPLE	AS	9/14/2020

CHAIN OF CUSTODY

PROJECT NUMBER 20-305	SITE NAME/ADDRESS PERMIT # CONN Merland 1	COMPANY/NAME BREITBURN
SAMPLED BY D. COOPER	COMPANY OTWELL MANSBY	GTA PROJECT # 091420-1

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	VSR-1 BASE	9/11/20	16:30	5	BTEX CHLORIDES
2	VSR-2 BASE	9/11/20	16:35	5	BTEX CHLORIDES
3	VSR-3 BASE	9/11/20	16:45	5	BTEX CHLORIDES
4	VSR-4 BASE	9/11/20	16:55	5	BTEX CHLORIDES
5	VSR-5 BASE	9/11/20	17:05	5	BTEX CHLORIDES
6	VSR-5 BASE	9/11/20	17:10	5	BTEX CHLORIDES
7	VSR-6 BASE	9/11/20	17:30	5	BTEX CHLORIDES
8	VSR-7 BASE	9/11/20	17:40	5	BTEX CHLORIDES
9	VSR-8 @ 1' BASE	9/11/20	17:55	5	BTEX CHLORIDES
10	VSR-8 BASE	9/11/20	18:05	5	BTEX CHLORIDES
11	VSR-8 @ 6'	9/11/20	18:10	5	BTEX CHLORIDES
12	VSR-6 @ 4'	9/11/20	18:15	5	CHLORIDES
13	VSR-9 SIDEWALK	9/11/20	18:22	5	BTEX CHLORIDES
14	VSR-10 SIDEWALK	9/11/20	18:25	5	BTEX CHLORIDES
15	VSR-11 SIDEWALK	9/11/20	18:28	5	BTEX CHLORIDES

BILL TO: **BREITBURN**

REPORT TO:

used 18 meth kits

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
D. Cooper	9/14/20 7:55 am		
		Trevor Paul	9:55 am 9-14-20

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

