



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: 96-074A
GTA ProjNo: 123021-6

Site Addr: OSBORNE 1-15
Sampled By: TIM GATES/OMPC
Date Rec: 12/30/2021
Time Rec: 10:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	B-4 15'	12/28/2021		SOIL
2	B-4 20'	12/28/2021		SOIL
3	B-4 25'	12/28/2021		SOIL
4	B-4 30'	12/28/2021		SOIL
5	B-4 35'	12/28/2021		SOIL
6	B-4 40' - HOLD	12/28/2021		SOIL
7	B-5 15'	12/28/2021		SOIL
8	B-5 20'	12/28/2021		SOIL
9	B-5 25'	12/28/2021		SOIL
10	B-5 30'	12/28/2021		SOIL
11	B-5 35'	12/28/2021		SOIL
12	B-5 40' - HOLD	12/28/2021		SOIL
13	B-6 5'	12/28/2021		SOIL
14	B-6 10'	12/28/2021		SOIL
15	B-6 14'	12/28/2021		SOIL
16	B-6 20'	12/28/2021		SOIL
17	B-6 25'	12/28/2021		SOIL
18	B-6 30'	12/28/2021		SOIL
19	B-6 35'	12/28/2021		SOIL
20	B-6 37'	12/28/2021		SOIL
21	B-6 40' - HOLD	12/28/2021		SOIL
22	B-7 15'	12/28/2021		SOIL
23	B-7 20'	12/28/2021		SOIL
24	B-7 25'	12/28/2021		SOIL
25	B-7 30'	12/28/2021		SOIL
26	B-7 35'	12/28/2021		SOIL
27	B-7 40' - HOLD	12/28/2021		SOIL
28	B-8 5'	12/28/2021		SOIL
29	B-8 10'	12/28/2021		SOIL
30	B-8 15'	12/28/2021		SOIL
31	B-8 20'	12/28/2021		SOIL
32	B-8 25'	12/28/2021		SOIL
33	B-8 30'	12/28/2021		SOIL
34	B-8 35'	12/28/2021		SOIL
35	B-8 40' - HOLD	12/28/2021		SOIL
36	B-9 15'	12/28/2021		SOIL
37	B-9 20'	12/28/2021		SOIL
38	B-9 25'	12/28/2021		SOIL
39	B-9 30'	12/28/2021		SOIL
40	B-9 35'	12/28/2021		SOIL
41	B-9 40' - HOLD	12/28/2021		SOIL
42	B-10 5'	12/28/2021		SOIL
43	B-10 10'	12/28/2021		SOIL
44	B-10 15'	12/28/2021		SOIL
45	B-10 20'	12/28/2021		SOIL
46	B-10 25'	12/28/2021		SOIL
47	B-10 30'	12/28/2021		SOIL
48	B-10 35'	12/28/2021		SOIL
49	B-10 40' - HOLD	12/28/2021		SOIL
50	B-11 15'	12/28/2021		SOIL
51	B-11 20'	12/28/2021		SOIL
52	B-11 25'	12/28/2021		SOIL
53	B-11 30'	12/28/2021		SOIL
54	B-11 35'	12/28/2021		SOIL
55	B-11 40' - HOLD	12/28/2021		SOIL

56	B-12 15'	12/28/2021	SOIL
57	B-12 20'	12/28/2021	SOIL
58	B-12 25'	12/28/2021	SOIL
59	B-12 30'	12/28/2021	SOIL
60	B-12 35'	12/28/2021	SOIL
61	B-12 40' - HOLD	12/28/2021	SOIL
62	B-13 15'	12/28/2021	SOIL
63	B-13 20'	12/28/2021	SOIL
64	B-13 25'	12/28/2021	SOIL
65	B-13 30'	12/28/2021	SOIL
66	B-13 33'	12/28/2021	SOIL
67	B-13 37'	12/28/2021	SOIL
68	B-13 40' - HOLD	12/28/2021	SOIL
69	B-14 15'	12/29/2021	SOIL
70	B-14 20'	12/29/2021	SOIL
71	B-14 25'	12/29/2021	SOIL
72	B-14 30'	12/29/2021	SOIL
73	B-14 33'	12/29/2021	SOIL
74	B-14 36'	12/29/2021	SOIL
75	B-14 40' - HOLD	12/29/2021	SOIL
76	B-15 15'	12/29/2021	SOIL
77	B-15 20'	12/29/2021	SOIL
78	B-15 25'	12/29/2021	SOIL
79	B-15 30'	12/29/2021	SOIL
80	B-15 33'	12/29/2021	SOIL
81	B-15 36'	12/29/2021	SOIL
82	B-15 40' - HOLD	12/29/2021	SOIL
83	B-16 15'	12/29/2021	SOIL
84	B-16 20'	12/29/2021	SOIL
85	B-16 25'	12/29/2021	SOIL
86	B-16 30'	12/29/2021	SOIL
87	B-16 33'	12/29/2021	SOIL
88	B-16 36'	12/29/2021	SOIL
89	B-16 40' - HOLD	12/29/2021	SOIL
90	B-17 15'	12/29/2021	SOIL
91	B-17 20'	12/29/2021	SOIL
92	B-17 25'	12/29/2021	SOIL
93	B-17 30'	12/29/2021	SOIL
94	B-17 33'	12/29/2021	SOIL
95	B-17 36'	12/29/2021	SOIL
96	B-17 40' - HOLD	12/29/2021	SOIL
97	B-18 15'	12/29/2021	SOIL
98	B-18 20'	12/29/2021	SOIL
99	B-18 25'	12/29/2021	SOIL
100	B-18 30'	12/29/2021	SOIL
101	B-18 33'	12/29/2021	SOIL
102	B-18 36'	12/29/2021	SOIL
103	B-18 40' - HOLD	12/29/2021	SOIL
104	B-19 15'	12/29/2021	SOIL
105	B-19 20'	12/29/2021	SOIL
106	B-19 25'	12/29/2021	SOIL
107	B-19 30'	12/29/2021	SOIL
108	B-19 33'	12/29/2021	SOIL
109	B-19 36'	12/29/2021	SOIL
110	B-19 40' - HOLD	12/29/2021	SOIL
111	B-20 15'	12/29/2021	SOIL
112	B-20 20'	12/29/2021	SOIL
113	B-20 25'	12/29/2021	SOIL
114	B-20 30'	12/29/2021	SOIL
115	B-20 33'	12/29/2021	SOIL
116	B-20 36'	12/29/2021	SOIL
117	B-20 40' - HOLD	12/29/2021	SOIL



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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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kirk@gtanalytical.com



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FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-4 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 1

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-4 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 2
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-4 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 3

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-4 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 4
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-4 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 5

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-5 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 7
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-5 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 8
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-5 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 9
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
PROJECT NO: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-5 30'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 10
DATE SAMPLED: 12/28/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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>
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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: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-5 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 11
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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>
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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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 5'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 13

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 10'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 14

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 14'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 15
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	EPA 5035A
Toluene	ND	50					
Ethylbenzene	59	50					
Xylene(Total)	250	150					
1,2,4-Trimethylbenzene	400	50					
1,3,5-Trimethylbenzene	350	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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 16

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 17

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 18

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 19
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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
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COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	123021-6
PROJECT NO:	96-074A	GTA SAMPLE NO:	20
LOCATION:	OSBORNE 1-15	DATE SAMPLED:	12/28/2021
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/30/2021
		TIME RECEIVED:	10:00 AM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	TIM GATES/OMPC
SAMPLE ID:	B-6 37'	**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	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-7 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 22
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-7 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 23
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-7 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 24

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-7 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 25
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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



INDEPENDENT TESTING LAB

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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-7 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 26

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-8 5'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 28

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-8 10'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 29

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-8 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 30
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-8 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 31
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-8 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 32
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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

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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-8 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 33

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-8 35'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 34
DATE SAMPLED: 12/28/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-9 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 36

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-9 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 37
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-9 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 38
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-9 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 39

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-9 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 40

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 5'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 42
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 10'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 43
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 44
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 45
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 46
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 47

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 48
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-11 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 50
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-11 20'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 51
DATE SAMPLED: 12/28/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-11 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 52
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-11 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 53
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-11 35'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 54
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-12 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 56
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-12 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 57

DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-12 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 58
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-12 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 59
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: B-12 35'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 60

DATE SAMPLED: 12/28/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-13 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 62
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-13 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 63
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-13 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 64
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-13 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 65
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: B-13 33'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 66

DATE SAMPLED: 12/28/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-13 37'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 67
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-14 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 69
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-14 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 70
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-14 25'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 71
DATE SAMPLED: 12/29/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-14 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 72
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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

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PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-14 33'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 73

DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-14 36'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 74
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-15 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 76
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	123021-6
PROJECT NO:	96-074A	GTA SAMPLE NO:	77
LOCATION:	OSBORNE 1-15	DATE SAMPLED:	12/29/2021
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/30/2021
		TIME RECEIVED:	10:00 AM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	TIM GATES/OMPC
SAMPLE ID:	B-15 20'	**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	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-15 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 78

DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	123021-6
PROJECT NO:	96-074A	GTA SAMPLE NO:	79
LOCATION:	OSBORNE 1-15	DATE SAMPLED:	12/29/2021
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/30/2021
		TIME RECEIVED:	10:00 AM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	TIM GATES/OMPC
SAMPLE ID:	B-15 30'	**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	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-15 33'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 80
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-15 36'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 81
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-16 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 83
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-16 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 84
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-16 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 85
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

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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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-16 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 86
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-16 33'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 87
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-16 36'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 88
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-17 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 90
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-17 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 91

DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-17 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 92

DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-17 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 93
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/4/2022	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: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-17 33'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 94
DATE SAMPLED: 12/29/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/4/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-17 36'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 95
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-18 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 97
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING

PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: B-18 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 98

DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-18 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 99
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-18 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 100
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-18 33'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 101
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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: 96-074A
LOCATION: OSBORNE 1-15

MI

SAMPLE MATRIX: SOIL
SAMPLE ID: B-18 36'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 102

DATE SAMPLED: 12/29/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-19 15'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 104
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-19 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 105
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-19 25'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 106
DATE SAMPLED: 12/29/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-19 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 107
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-19 33'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 108
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-19 36'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 109
DATE SAMPLED: 12/29/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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 (PPB)	MR	12/28/2021	1/3/2022	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



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COMPANY:	BREITBURN OPERATING	GTA PROJECT NO:	123021-6
PROJECT NO:	96-074A	GTA SAMPLE NO:	111
LOCATION:	OSBORNE 1-15	DATE SAMPLED:	12/29/2021
		TIME SAMPLED:	
	MI	DATE RECEIVED:	12/30/2021
		TIME RECEIVED:	10:00 AM
SAMPLE MATRIX:	SOIL	SAMPLED BY:	TIM GATES/OMPC
SAMPLE ID:	B-20 15'	**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	12/28/2021	1/3/2022	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

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-20 20'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 112
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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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FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-20 25'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 113
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-20 30'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 114
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/3/2022	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



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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-20 33'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 115
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/4/2022	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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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-20 36'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 116
 DATE SAMPLED: 12/29/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/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	12/28/2021	1/4/2022	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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COMPANY: BREITBURN OPERATING
PROJECT NO: 96-074A
LOCATION: OSBORNE 1-15
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: B-6 14'

GTA PROJECT NO: 123021-6
GTA SAMPLE NO: 151
DATE SAMPLED: 12/28/2021
TIME SAMPLED:
DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM
SAMPLED BY: TIM GATES/OMPC

EPA 8260B/1312 SPLP 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	1/3/2022	1/4/2022	1312/5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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



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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING
 PROJECT NO: 96-074A
 LOCATION: OSBORNE 1-15
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 37'

GTA PROJECT NO: 123021-6
 GTA SAMPLE NO: 201
 DATE SAMPLED: 12/28/2021
 TIME SAMPLED:
 DATE RECEIVED: 12/30/2021
 TIME RECEIVED: 10:00 AM

SAMPLED BY: TIM GATES/OMPC

EPA 8260B/1312 SPLP 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	1/3/2022	1/4/2022	1312/5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: BREITBURN OPERATING

NAME:
PROJECT NO: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/28/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-4 15' % MOISTURE EPA 3550C	9.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-4 20' % MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-4 25' % MOISTURE EPA 3550C	3.7	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-4 30' % MOISTURE EPA 3550C	2.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-4 35' % MOISTURE EPA 3550C	3.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-4 40' - HOLD % MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-5 15' % MOISTURE EPA 3550C	5.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-5 20' % MOISTURE EPA 3550C	5.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-5 25' % MOISTURE EPA 3550C	9.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-5 30' % MOISTURE EPA 3550C	4.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-5 35' % MOISTURE EPA 3550C	3.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-5 40' - HOLD % MOISTURE EPA 3550C	16	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 5' % MOISTURE EPA 3550C	8.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 10' % MOISTURE EPA 3550C	8.3	0.050	% OF SAMPLE	AS	12/30/2021



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COMPANY: BREITBURN OPERATING

NAME:
PROJECT NO: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/28/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-6 14' % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 20' % MOISTURE EPA 3550C	3.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 25' % MOISTURE EPA 3550C	4.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 30' % MOISTURE EPA 3550C	5.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 35' % MOISTURE EPA 3550C	5.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 37' % MOISTURE EPA 3550C	16	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-6 40' - HOLD % MOISTURE EPA 3550C	17	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-7 15' % MOISTURE EPA 3550C	5.7	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-7 20' % MOISTURE EPA 3550C	5.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-7 25' % MOISTURE EPA 3550C	7.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-7 30' % MOISTURE EPA 3550C	4.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-7 35' % MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-7 40' - HOLD % MOISTURE EPA 3550C	19	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 5' % MOISTURE EPA 3550C	8.6	0.050	% OF SAMPLE	AS	12/30/2021



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COMPANY: BREITBURN OPERATING

NAME:
PROJECT NO: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/28/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-8 10' % MOISTURE EPA 3550C	8.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 15' % MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 20' % MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 25' % MOISTURE EPA 3550C	2.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 30' % MOISTURE EPA 3550C	4.1	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 35' % MOISTURE EPA 3550C	7.7	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-8 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-9 15' % MOISTURE EPA 3550C	8.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-9 20' % MOISTURE EPA 3550C	5.3	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-9 25' % MOISTURE EPA 3550C	3.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-9 30' % MOISTURE EPA 3550C	6.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-9 35' % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-9 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 5' % MOISTURE EPA 3550C	5.3	0.050	% OF SAMPLE	AS	12/30/2021



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COMPANY: BREITBURN OPERATING

NAME:
PROJECT NO: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/28/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-10 10' % MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 15' % MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 20' % MOISTURE EPA 3550C	3.0	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 25' % MOISTURE EPA 3550C	3.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 30' % MOISTURE EPA 3550C	3.3	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 35' % MOISTURE EPA 3550C	4.0	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-10 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-11 15' % MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-11 20' % MOISTURE EPA 3550C	4.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-11 25' % MOISTURE EPA 3550C	5.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-11 30' % MOISTURE EPA 3550C	5.7	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-11 35' % MOISTURE EPA 3550C	4.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-11 40' - HOLD % MOISTURE EPA 3550C	6.0	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-12 15' % MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	12/30/2021



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COMPANY: BREITBURN OPERATING

NAME:
PROJECT NO: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/28/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-12 20' % MOISTURE EPA 3550C	4.1	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-12 25' % MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-12 30' % MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-12 35' % MOISTURE EPA 3550C	4.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-12 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 15' % MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 20' % MOISTURE EPA 3550C	2.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 25' % MOISTURE EPA 3550C	1.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 30' % MOISTURE EPA 3550C	7.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 33' % MOISTURE EPA 3550C	4.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 37' % MOISTURE EPA 3550C	7.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-13 40' - HOLD % MOISTURE EPA 3550C	9.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-14 15' % MOISTURE EPA 3550C	5.0	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-14 20' % MOISTURE EPA 3550C	4.1	0.050	% OF SAMPLE	AS	12/30/2021



INDEPENDENT TESTING LAB

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: BREITBURN OPERATING

NAME:
PROJECT NO: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/29/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-14 25' % MOISTURE EPA 3550C	6.7	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-14 30' % MOISTURE EPA 3550C	2.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-14 33' % MOISTURE EPA 3550C	3.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-14 36' % MOISTURE EPA 3550C	8.1	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-14 40' - HOLD % MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 15' % MOISTURE EPA 3550C	6.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 20' % MOISTURE EPA 3550C	3.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 25' % MOISTURE EPA 3550C	3.0	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 30' % MOISTURE EPA 3550C	5.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 33' % MOISTURE EPA 3550C	3.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 36' % MOISTURE EPA 3550C	9.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-15 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-16 15' % MOISTURE EPA 3550C	6.0	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-16 20' % MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	12/30/2021



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: 96-074A

LOCATION: OSBORNE 1-15

MI

GTA PROJECT NO: 123021-
SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/29/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-16 25' % MOISTURE EPA 3550C	2.1	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-16 30' % MOISTURE EPA 3550C	3.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-16 33' % MOISTURE EPA 3550C	4.1	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-16 36' % MOISTURE EPA 3550C	5.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-16 40' - HOLD % MOISTURE EPA 3550C	16	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 15' % MOISTURE EPA 3550C	6.9	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 20' % MOISTURE EPA 3550C	8.7	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 25' % MOISTURE EPA 3550C	5.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 30' % MOISTURE EPA 3550C	2.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 33' % MOISTURE EPA 3550C	2.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 36' % MOISTURE EPA 3550C	2.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-17 40' - HOLD % MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-18 15' % MOISTURE EPA 3550C	5.3	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-18 20' % MOISTURE EPA 3550C	6.9	0.050	% OF SAMPLE	AS	12/30/2021



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MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-18 25' % MOISTURE EPA 3550C	5.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-18 30' % MOISTURE EPA 3550C	7.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-18 33' % MOISTURE EPA 3550C	2.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-18 36' % MOISTURE EPA 3550C	1.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-18 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 15' % MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 20' % MOISTURE EPA 3550C	4.2	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 25' % MOISTURE EPA 3550C	2.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 30' % MOISTURE EPA 3550C	2.3	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 33' % MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 36' % MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-19 40' - HOLD % MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-20 15' % MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-20 20' % MOISTURE EPA 3550C	4.9	0.050	% OF SAMPLE	AS	12/30/2021



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MI

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SAMPLED BY: TIM GATES/OMPC

DATE SAMPLED: 12/29/2021

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/30/2021
TIME RECEIVED: 10:00 AM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: B-20 25' % MOISTURE EPA 3550C	4.8	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-20 30' % MOISTURE EPA 3550C	4.6	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-20 33' % MOISTURE EPA 3550C	2.5	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-20 36' % MOISTURE EPA 3550C	3.4	0.050	% OF SAMPLE	AS	12/30/2021
SAMPLE ID: B-20 40' - HOLD % MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/30/2021

10/8/9

CHAIN OF CUSTODY

PROJECT NUMBER 96-074a	SITE NAME/ADDRESS Osborne HS	COMPANY/NAME Breitburn
SAMPLED BY Tim Gates	COMPANY OMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	B-4 15'	12/8/21		Soil	HIPs Hold SPLP HIPs
2	20'				HIPs Hold SPLP HIPs
3	25'				HIPs Hold SPLP HIPs
4	30'				HIPs Hold SPLP HIPs
5	35'				HIPs Hold SPLP HIPs
6	↓ 40'	↓			Hold HIPs
7	B-5 15'	12/28/21			HIPs Hold SPLP HIPs
8	20'				HIPs Hold SPLP HIPs
9	25'				HIPs Hold SPLP HIPs
10	30'				HIPs Hold SPLP HIPs
11	35'				HIPs Hold SPLP HIPs
12	↓ 40'	↓			HOLD
13	B-6 5'	12/28/21			HIPs Hold SPLP HIPs
14	10'				HIPs Hold SPLP HIPs
15	↓ 14' *	↓			HIPs SPLP HIPs

BILL TO:

57°

REPORT TO:

RELEASED BY JP Barb	DATE/TIME 12/30/21 9:00	RECEIVED BY [Signature]	DATE/TIME 12-30-21 10A
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS

Leaf 89

CHAIN OF CUSTODY

PROJECT NUMBER <i>96-074a</i>	SITE NAME/ADDRESS <i>Osborne HS</i>	COMPANY/NAME <i>OMPC Breithorn</i>
SAMPLED BY <i>Tim Gates</i>	COMPANY <i>OMPC</i>	GTA PROJECT # <i>123021-6</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
<i>16</i>	<i>B-6 20'</i>	<i>12/28/21</i>		<i>Soil</i>	<i>HIPs Hold SPLP HIPs</i>
<i>17</i>	<i> 25'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>18</i>	<i> 30'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>19</i>	<i> 35'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>20</i>	<i> 37'</i>	<i>*</i>			<i>HIPs, SPLP HIPs</i>
<i>21</i>	<i>↓ 40'</i>				<i>HOLD</i>
<i>22</i>	<i>B-7 15'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>23</i>	<i> 20'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>24</i>	<i> 25'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>25</i>	<i> 30'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>26</i>	<i> 35'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>27</i>	<i>↓ 40'</i>				<i>HOLD</i>
<i>28</i>	<i>B-8 5'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>29</i>	<i> 10'</i>				<i>HIPs Hold SPLP HIPs</i>
<i>30</i>	<i>↓ 15'</i>				<i>HIPs Hold SPLP HIPs</i>

BILL TO:

5.1°C

REPORT TO:

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature]

12/30/21

[Signature]

12-30-21

10A

REQUESTED TAT

STANDARD

1 BUSINESS DAY

2 BUSINESS DAYS

3 BUSINESS DAYS

3 of 89

CHAIN OF CUSTODY

PROJECT NUMBER 96-074 ₂	SITE NAME/ADDRESS Osborne 1-15	COMPANY/NAME Berthorn
SAMPLED BY Tim Gates	COMPANY OMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
31	B-8 20'	12/28/21		Soil	HIPs Hold SPLP HIPs
32	25'				HIPs Hold SPLP HIPs
33	30'				HIPs Hold SPLP HIPs
34	35'				HIPs Hold SPLP HIPs
35	↓ 40'				Hold
36	B-9 15'				HIPs Hold SPLP HIPs
37	20'				HIPs Hold SPLP HIPs
38	25'				HIPs Hold SPLP HIPs
39	30'				HIPs Hold SPLP HIPs
40	↓ 35'				HIPs Hold SPLP HIPs
41	↓ 40'				Hold
42	B-10 5'				HIPs Hold SPLP HIPs
43	10'				HIPs Hold SPLP HIPs
44	15'				HIPs Hold SPLP HIPs
45	↓ 20'	↓		↓	HIPs Hold SPLP HIPs

BILL TO:

57C

REPORT TO:

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] 12/30/21 9:00

[Signature] 12-30-21 10 A

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

4 of 89

CHAIN OF CUSTODY

PROJECT NUMBER 96-074a	SITE NAME/ADDRESS Osborne 1-15	COMPANY/NAME Bretburn
SAMPLED BY <i>[Signature]</i> Tim Gates	COMPANY OMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
46	B-10 25'	12/29/21		Soil	HIPs Hold SPLP HIPs
47	30'				HIPs Hold SPLP HIPs
48	35'				HIPs Hold SPLP HIPs
49	↓ 40'				HOLD
50	B-11 15'				HIPs Hold SPLP HIPs
51	20'				HIPs Hold SPLP HIPs
52	25'				HIPs Hold SPLP HIPs
53	30'				HIPs Hold SPLP HIPs
54	35'				HIPs Hold SPLP HIPs
55	↓ 40'				Hold
56	B-12 15'				HIPs Hold SPLP HIPs
57	20'				HIPs Hold SPLP HIPs
58	25'				HIPs Hold SPLP HIPs
59	30'				HIPs Hold SPLP HIPs
60	↓ 35'				HIPs Hold SPLP HIPs

BILL TO:	TempRec: <input type="checkbox"/> 5.7°C	On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	REPORT TO:
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RELEASED BY <i>[Signature]</i>	DATE/TIME 12/30/21 9:00	RECEIVED BY <i>[Signature]</i>	DATE/TIME 12-30-21 10A
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS

5 of 89

CHAIN OF CUSTODY

PROJECT NUMBER 96-074a	SITE NAME/ADDRESS Osborne 1-15	COMPANY/NAME Breitburn
SAMPLED BY Tim Gates	COMPANY OMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
61	B-12 40'	12/29/21		Soil	Hold
62	B-13 15'	↓		↓	HIPs SPLP Hold SPLP HIPs
63	20'				HIPs SPLP Hold SPLP HIPs
64	25'				HIPs Hold SPLP HIPs
65	30'				HIPs Hold SPLP HIPs
66	33'				HIPs Hold SPLP HIPs
67	37'				HIPs Hold SPLP HIPs
68	40'				Hold
69	B-14 15'				12/29/21
70	20'	↓		↓	HIPs Hold SPLP HIPs
71	25'				HIPs Hold SPLP HIPs
72	30'				HIPs Hold SPLP HIPs
73	33'				HIPs Hold SPLP HIPs
74	36'				HIPs Hold SPLP HIPs
75	40'				Hold SPLP

BILL TO:	TempRec: <input type="checkbox"/> 5.7°C	On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	REPORT TO:
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RELEASED BY <i>J.P. Barb</i>	DATE/TIME 12/30/21	RECEIVED BY <i>[Signature]</i>	DATE/TIME 12-30-21 10A
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS

7019

CHAIN OF CUSTODY

PROJECT NUMBER 96-074a	SITE NAME/ADDRESS Osborne 1-15	COMPANY/NAME Breitburn
SAMPLED BY Tim Gates	COMPANY OMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
76	B-15 15'	12/29/21		Soil	HIPs Hold SPLP HIPs
77	20'				HIPs Hold SPLP HIPs
78	25'				HIPs Hold SPLP HIPs
79	30'				HIPs Hold SPLP HIPs
80	33'				HIPs Hold SPLP HIPs
81	36'				HIPs Hold SPLP HIPs
82	↓ 40'				Hold HIPs
83	B-16 15'				HIPs Hold SPLP HIPs
84	20'				HIPs Hold SPLP HIPs
85	25'				HIPs Hold SPLP HIPs
86	30'				HIPs Hold SPLP HIPs
87	33'				HIPs Hold SPLP HIPs
88	36'				HIPs Hold SPLP HIPs
89	↓ 40'				Hold
90	B-17 15'	↓		↓	HIPs 1 Hold SPLP HIPs

BILL TO:	TempRec: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	REPORT TO:
	On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	
	5.7°C	

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
<i>[Signature]</i>	12/30/21 9:00	<i>[Signature]</i>	12-30-21 10A

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

8-9

CHAIN OF CUSTODY

PROJECT NUMBER 96-074A	SITE NAME/ADDRESS Osborne 1-15	COMPANY/NAME Breitburn
SAMPLED BY Tim Gates	COMPANY OMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
91	B-17 20'	12/29/21		Soil	HIPs Hold SPLP HIPs
92	25'				HIPs Hold SPLP HIPs
93	30'				HIPs Hold SPLP HIPs
94	33'				HIPs Hold SPLP HIPs
95	36'				HIPs Hold SPLP HIPs
96	↓ 40'				HOLD
97	B-18 15'				HIPs Hold SPLP HIPs
98	20'				HIPs Hold SPLP HIPs
99	25'				HIPs Hold SPLP HIPs
100	30'				HIPs Hold SPLP HIPs
101	33'				HIPs Hold SPLP HIPs
102	36'				HIPs Hold SPLP HIPs
103	↓ 40'				Hold
104	B-19 15'				HIPs Hold SPLP HIPs
105	↓ 20'	↓		↓	HIPs Hold SPLP HIPs

BILL TO:	TempRec: <input type="checkbox"/> 5.7°C	On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	REPORT TO:
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RELEASED BY <i>J.P. Barb</i>	DATE/TIME 12/30/21 9:00	RECEIVED BY <i>[Signature]</i>	DATE/TIME 12-30-21 10A
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS

90/9

CHAIN OF CUSTODY

PROJECT NUMBER 96-07A	SITE NAME/ADDRESS Osborne 1-15	COMPANY/NAME Breitburn
SAMPLED BY Tim Gates	COMPANY CMPC	GTA PROJECT # 123021-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
106	B-19 25'	12/29/21		Soil	HIPs Hold SPLP HIPs
107	30'				HIPs Hold SPLP HIPs
108	33'				HIPs Hold SPLP HIPs
109	36'				HIPs Hold SPLP HIPs
110	✓ 40'				Hold Hold SPLP HIPs
111	B-20 15'				HIPs Hold SPLP HIPs
112	20'				HIPs Hold SPLP HIPs
113	25'				HIPs Hold SPLP HIPs
114	30'				HIPs Hold SPLP HIPs
115	33'				HIPs Hold SPLP HIPs
116	36'				HIPs Hold SPLP HIPs
117	✓ 40'				Hold

BILL TO:	TempRec: <input type="checkbox"/> 5.7°C	On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	REPORT TO:
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RELEASED BY <i>[Signature]</i>	DATE/TIME 12/30/21 9:00	RECEIVED BY <i>[Signature]</i>	DATE/TIME 12-30-21 10A
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS