

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MICHIGAN CONSULTING &
Name: ENVIRONMENTAL
ClientProj: 64999
GTA ProjNo: 072624-6

Site Addr: 4413 US-10
LUDINGTON
Sampled By: JR/BP - MCE
Date Rec: 7/26/2024
Time Rec: 9:20 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	B-1	7/25/2024	10:45 AM	WATER
2	B-2	7/25/2024	12:00 PM	WATER
3	B-3	7/25/2024	1:03 PM	WATER
4	B-4	7/25/2024	1:40 PM	WATER
5	B-5	7/25/2024	2:10 PM	WATER
6	B-1 3'	7/25/2024	9:55 AM	SOIL
7	B-2 3'	7/25/2024	11:21 AM	SOIL
8	B-3 1' - HOLD	7/25/2024	11:55 AM	SOIL
9	B-3 3' - HOLD	7/25/2024	11:57 AM	SOIL
10	B-4 3'	7/25/2024	12:35 PM	SOIL
11	B-5 1' - HOLD	7/25/2024	1:30 PM	SOIL

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 1

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 10:45 AM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLED BY: LUDINGTON
JR/BP - MCE

SAMPLE MATRIX: WATER

SAMPLE ID: B-1

EPA 8260B VOLATILE ORGANICS**Units=** ug/L (PPB) **Analyst=** MR **Date Extracted=****Date Completed=** 7/29/2024 **Prep Method=** EPA 5030B

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBEZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBEZENE	ND	1.0
1,3-DICHLOROBEZENE	ND	1.0
1,4-DICHLOROBEZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHAN	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBEZENE	ND	1.0
1,2,4-TRICHLOROBEZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 2

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLED BY: LUDINGTON
JR/BP - MCE

SAMPLE MATRIX: WATER
SAMPLE ID: B-2

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB) **Analyst=** MR **Date Extracted=**

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBEZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBEZENE	ND	1.0
1,3-DICHLOROBEZENE	ND	1.0
1,4-DICHLOROBEZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHAN	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Date Completed= 7/29/2024 **Prep Method=** EPA 5030B

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBEZENE	ND	1.0
1,2,4-TRICHLOROBEZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.



INDEPENDENT TESTING LAB

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 3

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 1:03 PM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLED BY: LUDINGTON
JR/BP - MCE

SAMPLE MATRIX: WATER
SAMPLE ID: B-3

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB) Analyst= MR Date Extracted=

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBEZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBEZENE	ND	1.0
1,3-DICHLOROBEZENE	ND	1.0
1,4-DICHLOROBEZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHAN	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Date Completed= 7/29/2024 Prep Method=EPA 5030B

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBEZENE	ND	1.0
1,2,4-TRICHLOROBEZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.

**INDEPENDENT TESTING LAB**

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

SAMPLED BY: LUDINGTON
JR/BP - MCE

SAMPLE MATRIX: WATER
SAMPLE ID: B-4

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB) **Analyst=** MR **Date Extracted=**

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBEZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBEZENE	ND	1.0
1,3-DICHLOROBEZENE	ND	1.0
1,4-DICHLOROBEZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHAN	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 4

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 1:40 PM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

Date Completed= 7/29/2024 **Prep Method=** EPA 5030B

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBEZENE	ND	1.0
1,2,4-TRICHLOROBEZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.

**INDEPENDENT TESTING LAB**

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

SAMPLED BY: LUDINGTON
JR/BP - MCE

SAMPLE MATRIX: WATER
SAMPLE ID: B-5

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 5

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 2:10 PM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB) **Analyst=** MR **Date Extracted=**

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBEZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBEZENE	ND	1.0
1,3-DICHLOROBEZENE	ND	1.0
1,4-DICHLOROBEZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHAN	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Date Completed= 7/29/2024 **Prep Method=** EPA 5030B

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBEZENE	ND	1.0
1,2,4-TRICHLOROBEZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <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: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

LUDINGTON
SAMPLED BY: JR/BP - MCE
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 6

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 9:55 AM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: B-1 3'

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) **Analyst=** MR **Date Extracted=** 7/25/2024 **Date Completed=** 7/30/2024 **Prep Method=** EPA 5035A

Analyte	Concentration	LOD	Analyte	Concentration	LOD
ACETONE	ND	1,000	cis-1,3-DICHLOROPROPENE	ND	50
ALLYL CHLORIDE	ND	250	trans-1,3-DICHLOROPROPENE	ND	50
BENZENE	430	50	DIETHYL ETHER	ND	200
BROMOBENZENE	ND	100	ETHYLBENZENE	210	50
BROMOCHLOROMETHANE	ND	100	ETHYL METHACRYLATE	ND	250
BROMODICHLOROMETHANE	ND	50	HEXACHLOROBUTADIENE	ND	50
BROMOFORM	ND	100	HEXACHLOROETHANE	ND	250
BROMOMETHANE	ND	200	2-HEXANONE	ND	2,500
n-BUTYLBENZENE	ND	50	IDOMETHANE	ND	250
s-BUTYLBENZENE	ND	50	ISOPROPYLBENZENE	ND	50
t-BUTYLBENZENE	ND	50	ISOPROPYLTOLUENE	ND	50
CARBON DISULFIDE	ND	250	METHYL ACRYLATE	ND	250
CARBON TETRACHLORIDE	ND	50	METHYL ETHYL KETONE	ND	750
CHLOROBENZENE	ND	50	METHYL-t-BUTYL ETHER	ND	250
1-CHLOROBUTANE	ND	100	METHYLENE CHLORIDE	ND	100
CHLOROFORM	ND	50	METHYL METHACRYLATE	ND	250
CHLOROETHANE	ND	250	MIBK	ND	2,500
CHLOROMETHANE	ND	250	2-METHYLNAPHTHALENE	ND	250
2-CHLOROTOLUENE	ND	50	NAPHTHALENE	ND	250
4-CHLOROTOLUENE	ND	50	PENTACHLOROETHANE	ND	250
DIBROMOCHLOROMETHANE	ND	100	n-PROPYLBENZENE	ND	50
DIBROMOMETHANE	ND	250	STYRENE	ND	50
1,2-DIBROMOETHANE	ND	20	1,1,1,2-TETRACHLOROETHANE	ND	100
1,2-DICHLOROBENZENE	ND	50	1,1,2,2-TETRACHLOROETHANE	ND	50
1,3-DICHLOROBENZENE	ND	50	TETRACHLOROETHENE	ND	50
1,4-DICHLOROBENZENE	ND	50	TOLUENE	2,300	50
t-1,4-DICHLORO-2-BUTENE	ND	50	1,2,3-TRICHLOROBENZENE	ND	50
DICHLORODIFLUOROMETHANE	ND	250	1,2,4-TRICHLOROBENZENE	ND	250
1,1-DICHLOROETHANE	ND	50	1,1,1-TRICHLOROETHANE	ND	50
1,2-DICHLOROETHANE	ND	50	1,1,2-TRICHLOROETHANE	ND	50
1,1-DICHLOROETHENE	ND	50	TRICHLOROETHENE	ND	50
cis-1,2-DICHLOROETHENE	ND	50	TRICHLORFLUOROMETHANE	ND	100
trans-1,2-DICHLOROETHENE	ND	50	1,2,3-TRICHLOROPROPANE	ND	100
1,2-DICHLOROPROPANE	ND	50	1,2,4-TRIMETHYLBENZENE	ND	50
1,3-DICHLOROPROPANE	ND	50	1,3,5-TRIMETHYLBENZENE	ND	50
2,2-DICHLOROPROPANE	ND	50	VINYL CHLORIDE	ND	40
1,1-DICHLOROPROPENE	ND	50	XYLENE (TOTAL)	ND	150

ND = NOT DETECTED, RESULT IS <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: MICHIGAN CONSULTING & ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

LUDINGTON
SAMPLED BY: JR/BP - MCE
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 7

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 11:21 AM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: B-2 3'

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/25/2024 Date Completed= 7/29/2024 Prep Method= EPA 5035A

Analyte	Concentration	LOD	Analyte	Concentration	LOD
ACETONE	ND	1,000	cis-1,3-DICHLOROPROPENE	ND	50
ALLYL CHLORIDE	ND	250	trans-1,3-DICHLOROPROPENE	ND	50
BENZENE	ND	50	DIETHYL ETHER	ND	200
BROMOBENZENE	ND	100	ETHYLBENZENE	ND	50
BROMOCHLOROMETHANE	ND	100	ETHYL METHACRYLATE	ND	250
BROMODICHLOROMETHANE	ND	50	HEXACHLOROBUTADIENE	ND	50
BROMOFORM	ND	100	HEXACHLOROETHANE	ND	250
BROMOMETHANE	ND	200	2-HEXANONE	ND	2,500
n-BUTYLBENZENE	ND	50	IDOMETHANE	ND	250
s-BUTYLBENZENE	ND	50	ISOPROPYLBENZENE	ND	50
t-BUTYLBENZENE	ND	50	ISOPROPYLTOLUENE	ND	50
CARBON DISULFIDE	ND	250	METHYL ACRYLATE	ND	250
CARBON TETRACHLORIDE	ND	50	METHYL ETHYL KETONE	ND	750
CHLOROBENZENE	ND	50	METHYL-t-BUTYL ETHER	ND	250
1-CHLOROBUTANE	ND	100	METHYLENE CHLORIDE	ND	100
CHLOROFORM	ND	50	METHYL METHACRYLATE	ND	250
CHLOROETHANE	ND	250	MIBK	ND	2,500
CHLOROMETHANE	ND	250	2-METHYLNAPHTHALENE	ND	250
2-CHLOROTOLUENE	ND	50	NAPHTHALENE	ND	250
4-CHLOROTOLUENE	ND	50	PENTACHLOROETHANE	ND	250
DIBROMOCHLOROMETHANE	ND	100	n-PROPYLBENZENE	ND	50
DIBROMOMETHANE	ND	250	STYRENE	ND	50
1,2-DIBROMOETHANE	ND	20	1,1,1,2-TETRACHLOROETHANE	ND	100
1,2-DICHLOROBENZENE	ND	50	1,1,2,2-TETRACHLOROETHANE	ND	50
1,3-DICHLOROBENZENE	ND	50	TETRACHLOROETHENE	ND	50
1,4-DICHLOROBENZENE	ND	50	TOLUENE	ND	50
t-1,4-DICHLORO-2-BUTENE	ND	50	1,2,3-TRICHLOROBENZENE	ND	50
DICHLORODIFLUOROMETHANE	ND	250	1,2,4-TRICHLOROBENZENE	ND	250
1,1-DICHLOROETHANE	ND	50	1,1,1-TRICHLOROETHANE	ND	50
1,2-DICHLOROETHANE	ND	50	1,1,2-TRICHLOROETHANE	ND	50
1,1-DICHLOROETHENE	ND	50	TRICHLOROETHENE	ND	50
cis-1,2-DICHLOROETHENE	ND	50	TRICHLORFLUOROMETHANE	ND	100
trans-1,2-DICHLOROETHENE	ND	50	1,2,3-TRICHLOROPROPANE	ND	100
1,2-DICHLOROPROPANE	ND	50	1,2,4-TRIMETHYLBENZENE	ND	50
1,3-DICHLOROPROPANE	ND	50	1,3,5-TRIMETHYLBENZENE	ND	50
2,2-DICHLOROPROPANE	ND	50	VINYL CHLORIDE	ND	40
1,1-DICHLOROPROPENE	ND	50	XYLENE (TOTAL)	ND	150

ND = NOT DETECTED, RESULT IS <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: MICHIGAN CONSULTING & ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

LUDINGTON
SAMPLED BY: JR/BP - MCE
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 10

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:35 PM
DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: B-4 3'

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/25/2024 Date Completed= 7/29/2024 Prep Method= EPA 5035A

Analyte	Concentration	LOD	Analyte	Concentration	LOD
ACETONE	ND	1,000	cis-1,3-DICHLOROPROPENE	ND	50
ALLYL CHLORIDE	ND	250	trans-1,3-DICHLOROPROPENE	ND	50
BENZENE	ND	50	DIETHYL ETHER	ND	200
BROMOBENZENE	ND	100	ETHYLBENZENE	ND	50
BROMOCHLOROMETHANE	ND	100	ETHYL METHACRYLATE	ND	250
BROMODICHLOROMETHANE	ND	50	HEXACHLOROBUTADIENE	ND	50
BROMOFORM	ND	100	HEXACHLOROETHANE	ND	250
BROMOMETHANE	ND	200	2-HEXANONE	ND	2,500
n-BUTYLBENZENE	ND	50	IDOMETHANE	ND	250
s-BUTYLBENZENE	ND	50	ISOPROPYLBENZENE	ND	50
t-BUTYLBENZENE	ND	50	ISOPROPYLTOLUENE	ND	50
CARBON DISULFIDE	ND	250	METHYL ACRYLATE	ND	250
CARBON TETRACHLORIDE	ND	50	METHYL ETHYL KETONE	ND	750
CHLOROBENZENE	ND	50	METHYL-t-BUTYL ETHER	ND	250
1-CHLOROBUTANE	ND	100	METHYLENE CHLORIDE	ND	100
CHLOROFORM	ND	50	METHYL METHACRYLATE	ND	250
CHLOROETHANE	ND	250	MIBK	ND	2,500
CHLOROMETHANE	ND	250	2-METHYLNAPHTHALENE	ND	250
2-CHLOROTOLUENE	ND	50	NAPHTHALENE	ND	250
4-CHLOROTOLUENE	ND	50	PENTACHLOROETHANE	ND	250
DIBROMOCHLOROMETHANE	ND	100	n-PROPYLBENZENE	ND	50
DIBROMOMETHANE	ND	250	STYRENE	ND	50
1,2-DIBROMOETHANE	ND	20	1,1,1,2-TETRACHLOROETHANE	ND	100
1,2-DICHLOROBENZENE	ND	50	1,1,2,2-TETRACHLOROETHANE	ND	50
1,3-DICHLOROBENZENE	ND	50	TETRACHLOROETHENE	ND	50
1,4-DICHLOROBENZENE	ND	50	TOLUENE	ND	50
t-1,4-DICHLORO-2-BUTENE	ND	50	1,2,3-TRICHLOROBENZENE	ND	50
DICHLORODIFLUOROMETHAN	ND	250	1,2,4-TRICHLOROBENZENE	ND	250
1,1-DICHLOROETHANE	ND	50	1,1,1-TRICHLOROETHANE	ND	50
1,2-DICHLOROETHANE	ND	50	1,1,2-TRICHLOROETHANE	ND	50
1,1-DICHLOROETHENE	ND	50	TRICHLOROETHENE	ND	50
cis-1,2-DICHLOROETHENE	ND	50	TRICHLORFLUOROMETHANE	ND	100
trans-1,2-DICHLOROETHENE	ND	50	1,2,3-TRICHLOROPROPANE	ND	100
1,2-DICHLOROPROPANE	ND	50	1,2,4-TRIMETHYLBENZENE	ND	50
1,3-DICHLOROPROPANE	ND	50	1,3,5-TRIMETHYLBENZENE	ND	50
2,2-DICHLOROPROPANE	ND	50	VINYL CHLORIDE	ND	40
1,1-DICHLOROPROPENE	ND	50	XYLENE (TOTAL)	ND	150

ND = NOT DETECTED, RESULT IS <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: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 1

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 10:45 AM

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: WATER
SAMPLE ID: B-1

PNA EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	7/29/2024	7/29/2024	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 2

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:00 PM

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: WATER
SAMPLE ID: B-2

PNA EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	7/29/2024	7/29/2024	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 4

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 1:40 PM

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: WATER
SAMPLE ID: B-4

PNA EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	7/29/2024	7/30/2024	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 6

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 9:55 AM

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: SOIL
SAMPLE ID: B-1 3'

PNA EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/29/2024	7/30/2024	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 7

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 11:21 AM

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: SOIL
SAMPLE ID: B-2 3'

PNA EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/29/2024	7/30/2024	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL
PROJECT NO: 64999
LOCATION: 4413 US-10

GTA PROJECT NO: 072624-6
GTA SAMPLE NO: 10

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:35 PM

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: SOIL
SAMPLE ID: B-4 3'

PNA EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/29/2024	7/30/2024	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED
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: MICHIGAN CONSULTING &
ENVIRONMENTALPROJECT NO: 64999
LOCATION: 4413 US-10LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072624-6 - 6

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 9:55 AMDATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE ID: B-1 3'

PCB EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
AROCLOR 1016	ND	330	ug/Kg (PPB)	KC/TR	7/29/2024	7/31/2024	EPA 3550B
AROCLOR 1221	ND	330					
AROCLOR 1232	ND	330					
AROCLOR 1242	ND	330					
AROCLOR 1248	ND	330					
AROCLOR 1254	ND	330					
AROCLOR 1260	ND	330					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTAL

PROJECT NO: 64999
LOCATION: 4413 US-10

LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072624-6 - 7

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 11:21 AM

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE ID: B-2 3'

PCB EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
AROCLOR 1016	ND	330	ug/Kg (PPB)	KC/TR	7/29/2024	7/31/2024	EPA 3550B
AROCLOR 1221	ND	330					
AROCLOR 1232	ND	330					
AROCLOR 1242	ND	330					
AROCLOR 1248	ND	330					
AROCLOR 1254	ND	330					
AROCLOR 1260	ND	330					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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**INDEPENDENT TESTING LAB**

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ENVIRONMENTALPROJECT NO: 64999
LOCATION: 4413 US-10LUDINGTON
MI
SAMPLED BY: JR/BP - MCE

SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072624-6 - 10

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:35 PMDATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE ID: B-4 3'

PCB EPA 8270D (SIM)

<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>Completed</u>	<u>Prep Method</u>
AROCLOR 1016	ND	330	ug/Kg (PPB)	KC/TR	7/29/2024	7/31/2024	EPA 3550B
AROCLOR 1221	ND	330					
AROCLOR 1232	ND	330					
AROCLOR 1242	ND	330					
AROCLOR 1248	ND	330					
AROCLOR 1254	ND	330					
AROCLOR 1260	ND	330					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

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ENVIRONMENTALPROJECT NO: 64999
LOCATION: 4413 US-10LUDINGTON
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SAMPLED BY: JR/BP - MCE

SAMPLE ID: B-1

GTA PROJECT NO: 072624-6

GTA SAMPLE NO: 1

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 10:45 AMDATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: WATER

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A
CHROMIUM TOTAL EPA 6020A	0.0054	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A
LEAD TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

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LOCATION: 4413 US-10LUDINGTON
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SAMPLED BY: JR/BP - MCE

SAMPLE ID: B-2

GTA PROJECT NO: 072624-6

GTA SAMPLE NO: 2

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:00 PMDATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: WATER

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A
CHROMIUM TOTAL EPA 6020A	0.0054	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A
LEAD TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A

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LOD = LIMIT OF DETECTION

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PROJECT NO: 64999
LOCATION: 4413 US-10

LUDINGTON
MI

SAMPLED BY: JR/BP - MCE

SAMPLE ID: B-4

GTA PROJECT NO: 072624-6

GTA SAMPLE NO: 4

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 1:40 PM

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: WATER

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A
CHROMIUM TOTAL EPA 6020A	0.0073	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A
LEAD TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/30/2024	EPA 3020A

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ENVIRONMENTALPROJECT NO: 64999
LOCATION: 4413 US-10LUDINGTON
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SAMPLED BY: JR/BP - MCE

SAMPLE ID: B-1 3'

GTA PROJECT NO: 072624-6

GTA SAMPLE NO: 6

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 9:55 AMDATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	0.68	0.63	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	56	0.63	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B
LEAD TOTAL EPA 6020A	120	0.69	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B

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PROJECT NO: 64999
LOCATION: 4413 US-10

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SAMPLED BY: JR/BP - MCE

SAMPLE ID: B-2 3'

GTA PROJECT NO: 072624-6

GTA SAMPLE NO: 7

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 11:21 AM

DATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.64	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	3.8	0.64	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B
LEAD TOTAL EPA 6020A	6.6	0.64	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B

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LOD = LIMIT OF DETECTION

DISS = DISSOLVED

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTALPROJECT NO: 64999
LOCATION: 4413 US-10LUDINGTON
MI

SAMPLED BY: JR/BP - MCE

SAMPLE ID: B-4 3'

GTA PROJECT NO: 072624-6

GTA SAMPLE NO: 10

DATE SAMPLED: 7/25/2024
TIME SAMPLED: 12:35 PMDATE RECEIVED: 7/26/2024
TIME RECEIVED: 9:20 AM

SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.28	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	1.7	0.28	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B
LEAD TOTAL EPA 6020A	1.6	0.28	mg/Kg (PPM)	MR	7/30/2024	EPA 3050B

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COMPANY: MICHIGAN CONSULTING &
ENVIRONMENTALNAME:
PROJECT NO: 64999LOCATION: 4413 US-10
LUDINGTON
MI

GTA PROJECT NO: 072624-6

SAMPLED BY: JR/BP - MCE

DATE SAMPLED: 7/25/2024

SAMPLE SOIL

DATE RECEIVED: 7/26/2024

TIME RECEIVED: 9:20 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-1 3'	% MOISTURE EPA 3550C	42	0.10	% OF SAMPLE	AS	7/26/2024
SAMPLE ID: B-2 3'	% MOISTURE EPA 3550C	37	0.10	% OF SAMPLE	AS	7/26/2024
SAMPLE ID: B-3 1' - HOLD	% MOISTURE EPA 3550C	9.7	0.10	% OF SAMPLE	AS	7/26/2024
SAMPLE ID: B-3 3' - HOLD	% MOISTURE EPA 3550C	17	0.10	% OF SAMPLE	AS	7/26/2024
SAMPLE ID: B-4 3'	% MOISTURE EPA 3550C	18	0.10	% OF SAMPLE	AS	7/26/2024
SAMPLE ID: B-5 1' - HOLD	% MOISTURE EPA 3550C	16	0.10	% OF SAMPLE	AS	7/26/2024

CHAIN OF CUSTODY

PROJECT NUMBER 64999	SITE NAME/ADDRESS 4413 US-10, Ludington, MI	COMPANY/NAME
SAMPLED BY J. Rossi, B. Parks	COMPANY MCE	GTA PROJECT # 072624-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	B-1	7 -25-24	10:45	GW	VOLs, PNA's, Pb, Cd, Cr
2	B-2		12:00	GW	VOLs, PNA's, Pb, Cd, Cr
3	B-3		13:03	GW	VOLs
4	B-4		13:40	GW	VOLs, PNA's, Pb, Cd, Cr
5	B-5		14:10	GW	VOLs
6	B-1 3'		9:55	Soil	VOLs, PNA's, PCBs, Pb, Cd, Cr
7	B-2 3'		11:21	Soil	VOLs, PNA's, PCBs, Pb, Cd, Cr
8	B-3 1'		11:55	Soil	Hold
9	B-3 3'		11:57	Soil	Hold
10	B-4 3'		12:35	Soil	VOLs, PNA's, PCBs, Pb, Cd, Cr
11	B-5 1'		13:30	Soil	Hold

BILL TO: MCE	TempRec: ☐ 1.0°C	Y N On Ice? ☒ ☐	REPORT TO: Jim Rossi, MCE + hacker Tonia Hack, MCE michen.com
RELEASED BY [Signature]	DATE/TIME 7/25/24 1701	RECEIVED BY MCE - Cotel Storage	DATE/TIME 7/25/24 1701
[Signature]	7/26/24 0918	[Signature]	7-26-24 9:20A
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			