



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: GCES
Name:
ClientProj: 2021150002
GTA ProjNo: 072324-5

Site Addr: MITCHELL DR
ELK RAPIDS
Sampled By: T. ACKLER/GCES
Date Rec: 7/23/2024
Time Rec: 3:10 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	ER-PH1 (2')	7/23/2024	10:50 AM	SOIL
2	ER-PH2 (2')	7/23/2024	12:00 PM	SOIL
3	ER-PH2 (2.5')	7/23/2024	12:10 PM	SOIL
4	ER-PH3 (2')	7/23/2024	1:02 PM	SOIL
5	ER-PH4 (1.5')	7/23/2024	1:50 PM	SOIL

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

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
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830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 SAMPLED BY: T. ACKLER/GCES
 SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072324-5
 GTA SAMPLE NO: 1
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 10:50 AM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: ER-PH1 (2')

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/23/2024 Date Completed= 7/24/2024 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.



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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 SAMPLED BY: T. ACKLER/GCES
 SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072324-5
 GTA SAMPLE NO: 2
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 12:00 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: ER-PH2 (2')

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/23/2024 Date Completed= 7/24/2024 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.



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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 SAMPLED BY: T. ACKLER/GCES
 SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072324-5
 GTA SAMPLE NO: 3
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 12:10 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: ER-PH2 (2.5')

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/23/2024 Date Completed= 7/24/2024 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.
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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 SAMPLED BY: T. ACKLER/GCES
 SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072324-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 1:02 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: ER-PH3 (2')

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/23/2024 Date Completed= 7/24/2024 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.
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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 SAMPLED BY: T. ACKLER/GCES
 SAMPLE MATRIX: SOIL

GTA PROJECT NO: 072324-5
 GTA SAMPLE NO: 5
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 1:50 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: ER-PH4 (1.5')

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB) Analyst= MR Date Extracted= 7/23/2024 Date Completed= 7/24/2024 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.
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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR

GTA PROJECT 072324-5-1
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 10:50 AM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM
 SAMPLED BY:: T. ACKLER/GCES
 SAMPLE SOIL

ELK RAPIDS
 MI
 SAMPLE ID: ER-PH1 (2')

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/Kg (PPB) Analyst= KC/TR Date Extracted= 7/25/2024 Date Completed= 7/26/2024
Prep Method= EPA 3550B

Analyte	Concentration	LOD	Analyte	Concentration	LOD
Acenaphthene	ND	330	4,6-Dinitro-2-methylphenol	ND	830
Acenaphthylene	ND	330	2,4-Dinitrophenol	ND	1700
Aniline	ND	1700	2,4-Dinitrotoluene	ND	330
Anthracene	ND	330	2,6-Dinitrotoluene	ND	330
Benzidine	ND	1000	1,2-Diphenylhydrazine	ND	330
Benzo(a)anthracene	ND	330	bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	330	Fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330	Fluorene	ND	330
Benzo(a)pyrene	ND	330	Hexachlorobenzene	ND	330
Benzoic Acid	ND	3300	Hexachlorobutadiene	ND	50
Benzo(ghi)perylene	ND	330	Hexachloroethane	ND	300
Benzyl Alcohol	ND	1300	Hexachlorocyclopentadiene	ND	330
4-Bromophenylphenyl ether	ND	330	Indeno(123-cd)pyrene	ND	330
Butylbenzyl phthalate	ND	330	Isophorone	ND	330
di-n-Butyl phthalate	ND	330	2-Methylnaphthalene	ND	330
Carbazole	ND	330	2-Methylphenol	ND	330
4-Chloroaniline	ND	1700	4-methylphenol	ND	330
bis(2-Chloroethoxy)methane	ND	330	Naphthalene	ND	330
bis(2-Chloroethyl)ether	ND	100	2-Nitroaniline	ND	1700
bis(2-Chloroisopropyl)ether	ND	330	3-Nitroaniline	ND	1700
4-Chloro-3-methylphenol	ND	330	4-Nitroaniline	ND	1700
2-Chloronaphthalene	ND	330	Nitrobenzene	ND	200
2-Chlorophenol	ND	330	2-Nitrophenol	ND	330
4-Chlorophenylphenyl ether	ND	330	4-Nitrophenol	ND	1700
Chrysene	ND	330	N-Nitrosodiphenylamine	ND	330
Dibenz(ah)anthracene	ND	330	N-Nitroso-di-n-propylamine	ND	330
Dibenzofuran	ND	330	di-n-Octyl phthalate	ND	330
1,2-Dichlorobenzene	ND	330	Pentachlorophenol	ND	20
1,3-Dichlorobenzene	ND	330	Phenanthrene	ND	330
1,4-Dichlorobenzene	ND	330	Phenol	ND	330
3,3'-Dichlorobenzidine	ND	2000	Pyrene	ND	330
2,4-Dichlorophenol	ND	330	1,2,4-Trichlorobenzene	ND	330
Diethyl phthalate	ND	330	2,4,5-Trichlorophenol	ND	330
2,4-Dimethylphenol	ND	330	2,4,6-Trichlorophenol	ND	330
Dimethyl phthalate	ND	330			

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

www.gtanalytical.com

COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 MI
 SAMPLE ID: ER-PH2 (2')

GTA PROJECT 072324-5-2
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 12:00 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM
 SAMPLED BY:: T. ACKLER/GCES
 SAMPLE SOIL

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/Kg (PPB) Analyst= KC/TR Date Extracted= 7/25/2024 Date Completed= 7/26/2024
Prep Method= EPA 3550B

Analyte	Concentration	LOD	Analyte	Concentration	LOD
Acenaphthene	ND	330	4,6-Dinitro-2-methylphenol	ND	830
Acenaphthylene	ND	330	2,4-Dinitrophenol	ND	1700
Aniline	ND	1700	2,4-Dinitrotoluene	ND	330
Anthracene	ND	330	2,6-Dinitrotoluene	ND	330
Benzidine	ND	1000	1,2-Diphenylhydrazine	ND	330
Benzo(a)anthracene	ND	330	bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	330	Fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330	Fluorene	ND	330
Benzo(a)pyrene	ND	330	Hexachlorobenzene	ND	330
Benzoic Acid	ND	3300	Hexachlorobutadiene	ND	50
Benzo(ghi)perylene	ND	330	Hexachloroethane	ND	300
Benzyl Alcohol	ND	1300	Hexachlorocyclopentadiene	ND	330
4-Bromophenylphenyl ether	ND	330	Indeno(123-cd)pyrene	ND	330
Butylbenzyl phthalate	ND	330	Isophorone	ND	330
di-n-Butyl phthalate	ND	330	2-Methylnaphthalene	ND	330
Carbazole	ND	330	2-Methylphenol	ND	330
4-Chloroaniline	ND	1700	4-methylphenol	ND	330
bis(2-Chloroethoxy)methane	ND	330	Naphthalene	ND	330
bis(2-Chloroethyl)ether	ND	100	2-Nitroaniline	ND	1700
bis(2-Chloroisopropyl)ether	ND	330	3-Nitroaniline	ND	1700
4-Chloro-3-methylphenol	ND	330	4-Nitroaniline	ND	1700
2-Chloronaphthalene	ND	330	Nitrobenzene	ND	200
2-Chlorophenol	ND	330	2-Nitrophenol	ND	330
4-Chlorophenylphenyl ether	ND	330	4-Nitrophenol	ND	1700
Chrysene	ND	330	N-Nitrosodiphenylamine	ND	330
Dibenz(ah)anthracene	ND	330	N-Nitroso-di-n-propylamine	ND	330
Dibenzofuran	ND	330	di-n-Octyl phthalate	ND	330
1,2-Dichlorobenzene	ND	330	Pentachlorophenol	ND	20
1,3-Dichlorobenzene	ND	330	Phenanthrene	ND	330
1,4-Dichlorobenzene	ND	330	Phenol	ND	330
3,3'-Dichlorobenzidine	ND	2000	Pyrene	ND	330
2,4-Dichlorophenol	ND	330	1,2,4-Trichlorobenzene	ND	330
Diethyl phthalate	ND	330	2,4,5-Trichlorophenol	ND	330
2,4-Dimethylphenol	ND	330	2,4,6-Trichlorophenol	ND	330
Dimethyl phthalate	ND	330			

ND = NOT DETECTED
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

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FAX: 231-929-0894

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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 MI
 SAMPLE ID: ER-PH2 (2.5')

GTA PROJECT 072324-5-3
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 12:10 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM
 SAMPLED BY:: T. ACKLER/GCES
 SAMPLE SOIL

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/Kg (PPB) Analyst= KC/TR Date Extracted= 7/25/2024 Date Completed= 7/26/2024
Prep Method= EPA 3550B

Analyte	Concentration	LOD	Analyte	Concentration	LOD
Acenaphthene	ND	330	4,6-Dinitro-2-methylphenol	ND	830
Acenaphthylene	ND	330	2,4-Dinitrophenol	ND	1700
Aniline	ND	1700	2,4-Dinitrotoluene	ND	330
Anthracene	ND	330	2,6-Dinitrotoluene	ND	330
Benzidine	ND	1000	1,2-Diphenylhydrazine	ND	330
Benzo(a)anthracene	ND	330	bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	330	Fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330	Fluorene	ND	330
Benzo(a)pyrene	ND	330	Hexachlorobenzene	ND	330
Benzoic Acid	ND	3300	Hexachlorobutadiene	ND	50
Benzo(ghi)perylene	ND	330	Hexachloroethane	ND	300
Benzyl Alcohol	ND	1300	Hexachlorocyclopentadiene	ND	330
4-Bromophenylphenyl ether	ND	330	Indeno(123-cd)pyrene	ND	330
Butylbenzyl phthalate	ND	330	Isophorone	ND	330
di-n-Butyl phthalate	ND	330	2-Methylnaphthalene	ND	330
Carbazole	ND	330	2-Methylphenol	ND	330
4-Chloroaniline	ND	1700	4-methylphenol	ND	330
bis(2-Chloroethoxy)methane	ND	330	Naphthalene	ND	330
bis(2-Chloroethyl)ether	ND	100	2-Nitroaniline	ND	1700
bis(2-Chloroisopropyl)ether	ND	330	3-Nitroaniline	ND	1700
4-Chloro-3-methylphenol	ND	330	4-Nitroaniline	ND	1700
2-Chloronaphthalene	ND	330	Nitrobenzene	ND	200
2-Chlorophenol	ND	330	2-Nitrophenol	ND	330
4-Chlorophenylphenyl ether	ND	330	4-Nitrophenol	ND	1700
Chrysene	ND	330	N-Nitrosodiphenylamine	ND	330
Dibenz(ah)anthracene	ND	330	N-Nitroso-di-n-propylamine	ND	330
Dibenzofuran	ND	330	di-n-Octyl phthalate	ND	330
1,2-Dichlorobenzene	ND	330	Pentachlorophenol	ND	20
1,3-Dichlorobenzene	ND	330	Phenanthrene	ND	330
1,4-Dichlorobenzene	ND	330	Phenol	ND	330
3,3'-Dichlorobenzidine	ND	2000	Pyrene	ND	330
2,4-Dichlorophenol	ND	330	1,2,4-Trichlorobenzene	ND	330
Diethyl phthalate	ND	330	2,4,5-Trichlorophenol	ND	330
2,4-Dimethylphenol	ND	330	2,4,6-Trichlorophenol	ND	330
Dimethyl phthalate	ND	330			

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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 MI
 SAMPLE ID: ER-PH3 (2')

GTA PROJECT 072324-5 - 4
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 1:02 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM
 SAMPLED BY:: T. ACKLER/GCES
 SAMPLE SOIL

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/Kg (PPB) Analyst= KC/TR Date Extracted= 7/25/2024 Date Completed= 7/26/2024
Prep Method= EPA 3550B

Analyte	Concentration	LOD	Analyte	Concentration	LOD
Acenaphthene	ND	330	4,6-Dinitro-2-methylphenol	ND	830
Acenaphthylene	ND	330	2,4-Dinitrophenol	ND	1700
Aniline	ND	1700	2,4-Dinitrotoluene	ND	330
Anthracene	ND	330	2,6-Dinitrotoluene	ND	330
Benzidine	ND	1000	1,2-Diphenylhydrazine	ND	330
Benzo(a)anthracene	ND	330	bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	330	Fluoranthene	370	330
Benzo(k)fluoranthene	ND	330	Fluorene	ND	330
Benzo(a)pyrene	ND	330	Hexachlorobenzene	ND	330
Benzoic Acid	ND	3300	Hexachlorobutadiene	ND	50
Benzo(ghi)perylene	ND	330	Hexachloroethane	ND	300
Benzyl Alcohol	ND	1300	Hexachlorocyclopentadiene	ND	330
4-Bromophenylphenyl ether	ND	330	Indeno(123-cd)pyrene	ND	330
Butylbenzyl phthalate	ND	330	Isophorone	ND	330
di-n-Butyl phthalate	ND	330	2-Methylnaphthalene	ND	330
Carbazole	ND	330	2-Methylphenol	ND	330
4-Chloroaniline	ND	1700	4-methylphenol	ND	330
bis(2-Chloroethoxy)methane	ND	330	Naphthalene	ND	330
bis(2-Chloroethyl)ether	ND	100	2-Nitroaniline	ND	1700
bis(2-Chloroisopropyl)ether	ND	330	3-Nitroaniline	ND	1700
4-Chloro-3-methylphenol	ND	330	4-Nitroaniline	ND	1700
2-Chloronaphthalene	ND	330	Nitrobenzene	ND	200
2-Chlorophenol	ND	330	2-Nitrophenol	ND	330
4-Chlorophenylphenyl ether	ND	330	4-Nitrophenol	ND	1700
Chrysene	ND	330	N-Nitrosodiphenylamine	ND	330
Dibenz(ah)anthracene	ND	330	N-Nitroso-di-n-propylamine	ND	330
Dibenzofuran	ND	330	di-n-Octyl phthalate	ND	330
1,2-Dichlorobenzene	ND	330	Pentachlorophenol	ND	20
1,3-Dichlorobenzene	ND	330	Phenanthrene	790	330
1,4-Dichlorobenzene	ND	330	Phenol	ND	330
3,3'-Dichlorobenzidine	ND	2000	Pyrene	430	330
2,4-Dichlorophenol	ND	330	1,2,4-Trichlorobenzene	ND	330
Diethyl phthalate	ND	330	2,4,5-Trichlorophenol	ND	330
2,4-Dimethylphenol	ND	330	2,4,6-Trichlorophenol	ND	330
Dimethyl phthalate	ND	330			

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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 MI
 SAMPLE ID: ER-PH4 (1.5')

GTA PROJECT 072324-5-5
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 1:50 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM
 SAMPLED BY:: T. ACKLER/GCES
 SAMPLE SOIL

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/Kg (PPB) Analyst= KC/TR Date Extracted= 7/25/2024 Date Completed= 7/26/2024
Prep Method= EPA 3550B

Analyte	Concentration	LOD	Analyte	Concentration	LOD
Acenaphthene	ND	330	4,6-Dinitro-2-methylphenol	ND	830
Acenaphthylene	ND	330	2,4-Dinitrophenol	ND	1700
Aniline	ND	1700	2,4-Dinitrotoluene	ND	330
Anthracene	ND	330	2,6-Dinitrotoluene	ND	330
Benzidine	ND	1000	1,2-Diphenylhydrazine	ND	330
Benzo(a)anthracene	ND	330	bis(2-Ethylhexyl)phthalate	ND	330
Benzo(b)fluoranthene	ND	330	Fluoranthene	470	330
Benzo(k)fluoranthene	ND	330	Fluorene	ND	330
Benzo(a)pyrene	ND	330	Hexachlorobenzene	ND	330
Benzoic Acid	ND	3300	Hexachlorobutadiene	ND	50
Benzo(ghi)perylene	ND	330	Hexachloroethane	ND	300
Benzyl Alcohol	ND	1300	Hexachlorocyclopentadiene	ND	330
4-Bromophenylphenyl ether	ND	330	Indeno(123-cd)pyrene	ND	330
Butylbenzyl phthalate	ND	330	Isophorone	ND	330
di-n-Butyl phthalate	ND	330	2-Methylnaphthalene	ND	330
Carbazole	ND	330	2-Methylphenol	ND	330
4-Chloroaniline	ND	1700	4-methylphenol	ND	330
bis(2-Chloroethoxy)methane	ND	330	Naphthalene	ND	330
bis(2-Chloroethyl)ether	ND	100	2-Nitroaniline	ND	1700
bis(2-Chloroisopropyl)ether	ND	330	3-Nitroaniline	ND	1700
4-Chloro-3-methylphenol	ND	330	4-Nitroaniline	ND	1700
2-Chloronaphthalene	ND	330	Nitrobenzene	ND	200
2-Chlorophenol	ND	330	2-Nitrophenol	ND	330
4-Chlorophenylphenyl ether	ND	330	4-Nitrophenol	ND	1700
Chrysene	ND	330	N-Nitrosodiphenylamine	ND	330
Dibenz(ah)anthracene	ND	330	N-Nitroso-di-n-propylamine	ND	330
Dibenzofuran	ND	330	di-n-Octyl phthalate	ND	330
1,2-Dichlorobenzene	ND	330	Pentachlorophenol	ND	20
1,3-Dichlorobenzene	ND	330	Phenanthrene	ND	330
1,4-Dichlorobenzene	ND	330	Phenol	ND	330
3,3'-Dichlorobenzidine	ND	2000	Pyrene	410	330
2,4-Dichlorophenol	ND	330	1,2,4-Trichlorobenzene	ND	330
Diethyl phthalate	ND	330	2,4,5-Trichlorophenol	ND	330
2,4-Dimethylphenol	ND	330	2,4,6-Trichlorophenol	ND	330
Dimethyl phthalate	ND	330			

ND = NOT DETECTED
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY:	GCES	GTA PROJECT NO:	072324-5
PROJECT NO:	2021150002	GTA SAMPLE NO:	1
LOCATION:	MITCHELL DR	DATE SAMPLED:	7/23/2024
	ELK RAPIDS	TIME SAMPLED:	10:50 AM
	MI	DATE RECEIVED:	7/23/2024
SAMPLED BY:	T. ACKLER/GCES	TIME RECEIVED:	3:10 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	ER-PH1 (2')		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	3.7	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
BARIUM TOTAL EPA 6020A	7.3	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CADMIUM TOTAL EPA 6020A	ND	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	5.2	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
COPPER TOTAL EPA 6020A	2.8	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
LEAD TOTAL EPA 6020A	0.97	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
MERCURY TOTAL EPA 7471B	ND	0.016	mg/Kg (PPM)	MR/TR	7/26/2024	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
SILVER TOTAL EPA 6020A	ND	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
ZINC TOTAL EPA 6020A	4.8	0.40	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY:	GCES	GTA PROJECT NO:	072324-5
PROJECT NO:	2021150002	GTA SAMPLE NO:	2
LOCATION:	MITCHELL DR	DATE SAMPLED:	7/23/2024
	ELK RAPIDS	TIME SAMPLED:	12:00 PM
	MI	DATE RECEIVED:	7/23/2024
SAMPLED BY:	T. ACKLER/GCES	TIME RECEIVED:	3:10 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	ER-PH2 (2')		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	2.2	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
BARIUM TOTAL EPA 6020A	200	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CADMIUM TOTAL EPA 6020A	ND	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	5.5	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
COPPER TOTAL EPA 6020A	4.9	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
LEAD TOTAL EPA 6020A	8.4	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
MERCURY TOTAL EPA 7471B	ND	0.032	mg/Kg (PPM)	MR/TR	7/26/2024	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
SILVER TOTAL EPA 6020A	ND	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
ZINC TOTAL EPA 6020A	6.0	0.72	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY:	GCES	GTA PROJECT NO:	072324-5
PROJECT NO:	2021150002	GTA SAMPLE NO:	3
LOCATION:	MITCHELL DR	DATE SAMPLED:	7/23/2024
	ELK RAPIDS	TIME SAMPLED:	12:10 PM
	MI	DATE RECEIVED:	7/23/2024
SAMPLED BY:	T. ACKLER/GCES	TIME RECEIVED:	3:10 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	ER-PH2 (2.5')		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	6.4	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
BARIUM TOTAL EPA 6020A	170	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CADMIUM TOTAL EPA 6020A	ND	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	2.2	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
COPPER TOTAL EPA 6020A	40	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
LEAD TOTAL EPA 6020A	24	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
MERCURY TOTAL EPA 7471B	ND	0.041	mg/Kg (PPM)	MR/TR	7/26/2024	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
SILVER TOTAL EPA 6020A	ND	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
ZINC TOTAL EPA 6020A	44	0.86	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: GCES
 PROJECT NO: 2021150002
 LOCATION: MITCHELL DR
 ELK RAPIDS
 MI
 SAMPLED BY: T. ACKLER/GCES
 SAMPLE ID: ER-PH3 (2')

GTA PROJECT NO: 072324-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 7/23/2024
 TIME SAMPLED: 1:02 PM
 DATE RECEIVED: 7/23/2024
 TIME RECEIVED: 3:10 PM
 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>
ARSENIC TOTAL EPA 6020A	3.5	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
BARIUM TOTAL EPA 6020A	72	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CADMIUM TOTAL EPA 6020A	ND	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	5.3	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
COPPER TOTAL EPA 6020A	23	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
LEAD TOTAL EPA 6020A	6.4	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
MERCURY TOTAL EPA 7471B	ND	0.015	mg/Kg (PPM)	MR/TR	7/26/2024	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
SILVER TOTAL EPA 6020A	ND	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
ZINC TOTAL EPA 6020A	13	0.45	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION

DISS = DISSOLVED



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

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www.gtanalytical.com

COMPANY:	GCES	GTA PROJECT NO:	072324-5
PROJECT NO:	2021150002	GTA SAMPLE NO:	5
LOCATION:	MITCHELL DR	DATE SAMPLED:	7/23/2024
	ELK RAPIDS	TIME SAMPLED:	1:50 PM
	MI	DATE RECEIVED:	7/23/2024
SAMPLED BY:	T. ACKLER/GCES	TIME RECEIVED:	3:10 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	ER-PH4 (1.5')		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	3.7	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
BARIUM TOTAL EPA 6020A	30	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CADMIUM TOTAL EPA 6020A	ND	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
CHROMIUM TOTAL EPA 6020A	3.6	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
COPPER TOTAL EPA 6020A	22	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
LEAD TOTAL EPA 6020A	11	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
MERCURY TOTAL EPA 7471B	ND	0.017	mg/Kg (PPM)	MR/TR	7/26/2024	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
SILVER TOTAL EPA 6020A	ND	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B
ZINC TOTAL EPA 6020A	19	0.36	mg/Kg (PPM)	MR	7/26/2024	EPA 3050B

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION

DISS = DISSOLVED



INDEPENDENT TESTING LAB

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COMPANY: GCES

NAME:
PROJECT NO: 2021150002

LOCATION: MITCHELL DR
ELK RAPIDS
MI

GTA PROJECT NO: 072324-5
SAMPLED BY: T. ACKLER/GCES

DATE SAMPLED: 7/23/2024

SAMPLE SOIL

DATE RECEIVED: 7/23/2024
TIME RECEIVED: 3:10 PM

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: ER-PH1 (2') % MOISTURE EPA 3550C	13	0.10	% OF SAMPLE	AS	7/23/2024
SAMPLE ID: ER-PH2 (2') % MOISTURE EPA 3550C	47	0.10	% OF SAMPLE	AS	7/23/2024
SAMPLE ID: ER-PH2 (2.5') % MOISTURE EPA 3550C	62	0.10	% OF SAMPLE	AS	7/23/2024
SAMPLE ID: ER-PH3 (2') % MOISTURE EPA 3550C	22	0.10	% OF SAMPLE	AS	7/23/2024
SAMPLE ID: ER-PH4 (1.5') % MOISTURE EPA 3550C	18	0.10	% OF SAMPLE	AS	7/23/2024

