



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: 2023540001.01
GTA ProjNo: 071923-1

Site Addr: 210 WEST PARK DR
KALKASKA
Sampled By: TSA/GCES
Date Rec: 7/19/2023
Time Rec: 11:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	7/19/2023	9:15 AM	WATER
2	MW-4	7/19/2023	9:45 AM	WATER

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
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COMPANY: GCES
 PROJECT NO: 2023540001.01
 LOCATION: 210 WEST PARK DR

GTA PROJECT NO: 071923-1
 GTA SAMPLE NO: 1

DATE SAMPLED: 7/19/2023
 TIME SAMPLED: 9:15 AM
 DATE RECEIVED: 7/19/2023
 TIME RECEIVED: 11:30 AM

SAMPLED BY: KALKASKA
 TSA/GCES

SAMPLE MATRIX: WATER

SAMPLE ID: MW-3

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB)

Analyst= MR

Date Extracted=

Date Completed= 7/20/2023

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
CHLOROENZENE	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-DICHLOROENZENE	ND	1.0
1,3-DICHLOROENZENE	ND	1.0
1,4-DICHLOROENZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHANE	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-TRICHLOROENZENE	ND	1.0
1,2,4-TRICHLOROENZENE	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: GCES
 PROJECT NO: 2023540001.01
 LOCATION: 210 WEST PARK DR

GTA PROJECT NO: 071923-1
 GTA SAMPLE NO: 2

DATE SAMPLED: 7/19/2023
 TIME SAMPLED: 9:45 AM
 DATE RECEIVED: 7/19/2023
 TIME RECEIVED: 11:30 AM

SAMPLED BY: KALKASKA
 TSA/GCES

SAMPLE MATRIX: WATER

SAMPLE ID: MW-4

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB)

Analyst= MR

Date Extracted=

Date Completed= 7/20/2023

Prep Method= EPA 5030B

<u>Analyte</u>	<u>Concentration</u>	<u>LOD</u>	<u>Analyte</u>	<u>Concentration</u>	<u>LOD</u>
ACETONE	ND	25	cis-1,3-DICHLOROPROPENE	ND	1.0
ALLYL CHLORIDE	ND	10	trans-1,3-DICHLOROPROPENE	ND	1.0
BENZENE	ND	1.0	DIETHYL ETHER	ND	10
BROMOBENZENE	ND	1.0	ETHYLBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0	ETHYL METHACRYLATE	ND	10
BROMODICHLOROMETHANE	ND	1.0	HEXACHLOROBUTADIENE	ND	1.0
BROMOFORM	ND	1.0	HEXACHLOROETHANE	ND	10
BROMOMETHANE	ND	1.0	2-HEXANONE	ND	10
n-BUTYLBENZENE	ND	1.0	IDOMETHANE	ND	10
s-BUTYLBENZENE	ND	1.0	ISOPROPYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0	ISOPROPYLTOLUENE	ND	1.0
CARBON DISULFIDE	ND	5.0	METHYL ACRYLATE	ND	10
CARBON TETRACHLORIDE	ND	1.0	METHYL ETHYL KETONE	ND	10
CHLOROENZENE	ND	1.0	METHYL-t-BUTYL ETHER	ND	5.0
1-CHLOROBUTANE	ND	1.0	METHYLENE CHLORIDE	ND	1.0
CHLOROFORM	ND	1.0	METHYL METHACRYLATE	ND	10
CHLOROETHANE	ND	1.0	MIBK	ND	10
CHLOROMETHANE	ND	1.0	2-METHYLNAPHTHALENE	ND	5.0
2-CHLOROTOLUENE	ND	1.0	NAPHTHALENE	ND	5.0
4-CHLOROTOLUENE	ND	1.0	PENTACHLOROETHANE	ND	10
DIBROMOCHLOROMETHANE	ND	1.0	n-PROPYLBENZENE	ND	1.0
DIBROMOMETHANE	ND	1.0	STYRENE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0	1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,2-DICHLOROENZENE	ND	1.0	1,1,2,2-TETRACHLOROETHANE	ND	1.0
1,3-DICHLOROENZENE	ND	1.0	TETRACHLOROETHENE	ND	1.0
1,4-DICHLOROENZENE	ND	1.0	TOLUENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10	1,2,3-TRICHLOROENZENE	ND	1.0
DICHLORODIFLUOROMETHANE	ND	1.0	1,2,4-TRICHLOROENZENE	ND	1.0
1,1-DICHLOROETHANE	ND	1.0	1,1,1-TRICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0	1,1,2-TRICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0	TRICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0	TRICHLORFLUOROMETHANE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0	1,2,3-TRICHLOROPROPANE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0	1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0	1,3,5-TRIMETHYLBENZENE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0	VINYL CHLORIDE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0	XYLENE (TOTAL)	ND	3.0

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



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COMPANY: GCES
 PROJECT NO: 2023540001.01
 LOCATION: 210 WEST PARK DR

GTA PROJECT NO: 071923- - 1
 DATE SAMPLED: 7/19/2023
 TIME SAMPLED: 9:15 AM
 DATE RECEIVED: 7/19/2023
 TIME RECEIVED: 11:30 AM
 SAMPLED BY:: TSA/GCES
 SAMPLE MATRIX: WATER

KALKASKA
 MI

SAMPLE ID: MW-3

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/L (PPB) Analyst= KC/TR Date Extracted= 7/19/2023 Date Completed= 7/28/2023
Prep Method= EPA 3510C

Analyte	Concentration	LOD	Analyte	Concentration	LOD
Acenaphthene	ND	5.0	4,6-Dinitro-2-methylphenol	ND	20
Acenaphthylene	ND	5.0	2,4-Dinitrophenol	ND	25
Aniline	ND	4.0	2,4-Dinitrotoluene	ND	5.0
Anthracene	ND	5.0	2,6-Dinitrotoluene	ND	5.0
Benzidine	ND	25	1,2-Diphenylhydrazine	ND	5.0
Benzo(a)anthracene	ND	1.0	bis(2-Ethylhexyl)phthalate	ND	5.0
Benzo(b)fluoranthene	ND	1.0	Fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0	Fluorene	ND	5.0
Benzo(a)pyrene	ND	1.0	Hexachlorobenzene	ND	5.0
Benzoic Acid	ND	50	Hexachlorobutadiene	ND	5.0
Benzo(ghi)perylene	ND	2.0	Hexachloroethane	ND	5.0
Benzyl Alcohol	ND	20	Hexachlorocyclopentadiene	ND	5.0
4-Bromophenylphenyl ether	ND	5.0	Indeno(123-cd)pyrene	ND	2.0
Butylbenzyl phthalate	ND	5.0	Isophorone	ND	5.0
di-n-Butyl phthalate	ND	5.0	2-Methylnaphthalene	ND	5.0
Carbazole	ND	5.0	2-Methylphenol	ND	5.0
4-Chloroaniline	ND	20	4-methylphenol	ND	5.0
bis(2-Chloroethoxy)methane	ND	5.0	Naphthalene	ND	5.0
bis(2-Chloroethyl)ether	ND	1.0	2-Nitroaniline	ND	25
bis(2-Chloroisopropyl)ether	ND	5.0	3-Nitroaniline	ND	25
4-Chloro-3-methylphenol	ND	5.0	4-Nitroaniline	ND	25
2-Chloronaphthalene	ND	5.0	Nitrobenzene	ND	5.0
2-Chlorophenol	ND	5.0	2-Nitrophenol	ND	5.0
4-Chlorophenylphenyl ether	ND	5.0	4-Nitrophenol	ND	25
Chrysene	ND	1.0	N-Nitrosodiphenylamine	ND	5.0
Dibenz(ah)anthracene	ND	2.0	N-Nitroso-di-n-propylamine	ND	5.0
Dibenzofuran	ND	5.0	di-n-Octyl phthalate	ND	5.0
1,2-Dichlorobenzene	ND	5.0	Pentachlorophenol	ND	1.0
1,3-Dichlorobenzene	ND	5.0	Phenanthrene	ND	2.0
1,4-Dichlorobenzene	ND	5.0	Phenol	ND	5.0
3,3'-Dichlorobenzidine	ND	25	Pyrene	ND	5.0
2,4-Dichlorophenol	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Diethyl phthalate	ND	5.0	2,4,5-Trichlorophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0	2,4,6-Trichlorophenol	ND	4.0
Dimethyl phthalate	ND	5.0			

ND = NOT DETECTED
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COMPANY: GCES
 PROJECT NO: 2023540001.01
 LOCATION: 210 WEST PARK DR

GTA PROJECT NO: 071923- - 2
 DATE SAMPLED: 7/19/2023
 TIME SAMPLED: 9:45 AM
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 TIME RECEIVED: 11:30 AM
 SAMPLED BY:: TSA/GCES
 SAMPLE MATRIX: WATER

KALKASKA
 MI
 SAMPLE ID: MW-4

BASE NEUTRAL ACID EXTRACTABLES EPA 8270D

Units= ug/L (PPB) Analyst= KC/TR Date Extracted= 7/19/2023 Date Completed= 7/28/2023
Prep Method= EPA 3510C

<u>Analyte</u>	<u>Concentration</u>	<u>LOD</u>	<u>Analyte</u>	<u>Concentration</u>	<u>LOD</u>
Acenaphthene	ND	5.0	4,6-Dinitro-2-methylphenol	ND	20
Acenaphthylene	ND	5.0	2,4-Dinitrophenol	ND	25
Aniline	ND	4.0	2,4-Dinitrotoluene	ND	5.0
Anthracene	ND	5.0	2,6-Dinitrotoluene	ND	5.0
Benzidine	ND	25	1,2-Diphenylhydrazine	ND	5.0
Benzo(a)anthracene	ND	1.0	bis(2-Ethylhexyl)phthalate	ND	5.0
Benzo(b)fluoranthene	ND	1.0	Fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0	Fluorene	ND	5.0
Benzo(a)pyrene	ND	1.0	Hexachlorobenzene	ND	5.0
Benzoic Acid	ND	50	Hexachlorobutadiene	ND	5.0
Benzo(ghi)perylene	ND	2.0	Hexachloroethane	ND	5.0
Benzyl Alcohol	ND	20	Hexachlorocyclopentadiene	ND	5.0
4-Bromophenylphenyl ether	ND	5.0	Indeno(123-cd)pyrene	ND	2.0
Butylbenzyl phthalate	ND	5.0	Isophorone	ND	5.0
di-n-Butyl phthalate	ND	5.0	2-Methylnaphthalene	ND	5.0
Carbazole	ND	5.0	2-Methylphenol	ND	5.0
4-Chloroaniline	ND	20	4-methylphenol	ND	5.0
bis(2-Chloroethoxy)methane	ND	5.0	Naphthalene	ND	5.0
bis(2-Chloroethyl)ether	ND	1.0	2-Nitroaniline	ND	25
bis(2-Chloroisopropyl)ether	ND	5.0	3-Nitroaniline	ND	25
4-Chloro-3-methylphenol	ND	5.0	4-Nitroaniline	ND	25
2-Chloronaphthalene	ND	5.0	Nitrobenzene	ND	5.0
2-Chlorophenol	ND	5.0	2-Nitrophenol	ND	5.0
4-Chlorophenylphenyl ether	ND	5.0	4-Nitrophenol	ND	25
Chrysene	ND	1.0	N-Nitrosodiphenylamine	ND	5.0
Dibenz(ah)anthracene	ND	2.0	N-Nitroso-di-n-propylamine	ND	5.0
Dibenzofuran	ND	5.0	di-n-Octyl phthalate	ND	5.0
1,2-Dichlorobenzene	ND	5.0	Pentachlorophenol	ND	1.0
1,3-Dichlorobenzene	ND	5.0	Phenanthrene	ND	2.0
1,4-Dichlorobenzene	ND	5.0	Phenol	ND	5.0
3,3'-Dichlorobenzidine	ND	25	Pyrene	ND	5.0
2,4-Dichlorophenol	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Diethyl phthalate	ND	5.0	2,4,5-Trichlorophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0	2,4,6-Trichlorophenol	ND	4.0
Dimethyl phthalate	ND	5.0			

ND = NOT DETECTED
 LOD = LIMIT OF DETECTION

