

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: OMPC
Name:
ClientProj: 20-343
GTA ProjNo: 121120-9

Site Addr: KROUPA

Sampled By: STEVE HEMSTREET/OMPC
Date Rec: 12/11/2020
Time Rec: 4:45 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	HA-28 0.5'	12/11/2020	3:00 PM	SOIL
2	HA-29 0.5'	12/11/2020	3:00 PM	SOIL
3	HA-30 0.5'	12/11/2020	3:00 PM	SOIL
4	HA-31 0.5'	12/11/2020	3:00 PM	SOIL
5	HA-32 0.5'	12/11/2020	3:00 PM	SOIL
6	HA-33 0.5'	12/11/2020	3:00 PM	SOIL
7	HA-34 0.5'	12/11/2020	3:00 PM	SOIL
8	HA-35 0.5'	12/11/2020	3:00 PM	SOIL
9	HA-36 0.5'	12/11/2020	3:00 PM	SOIL
10	HA-37 0.5'	12/11/2020	3:00 PM	SOIL
11	HA-38 0.5'	12/11/2020	3:00 PM	SOIL
12	HA-39 0.5'	12/11/2020	3:00 PM	SOIL
13	HA-43 10'	12/11/2020	3:00 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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SP: 231-590-0291
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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 1

SAMPLED BY: MI
STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

SAMPLE MATRIX: SOIL

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-28 0.5'							
1	ARSENIC TOTAL EPA 6020A	11	0.37	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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

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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 2

SAMPLED BY: MI
STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

SAMPLE MATRIX: SOIL

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-29 0.5'							
2	ARSENIC TOTAL EPA 6020A	7.6	0.36	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 3

SAMPLED BY: MI
STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

SAMPLE MATRIX: SOIL

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-30 0.5'							
3	ARSENIC TOTAL EPA 6020A	20	0.36	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 4
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-31 0.5'							
4	ARSENIC TOTAL EPA 6020A	13	0.38	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 5
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-32 0.5'							
5	ARSENIC TOTAL EPA 6020A	5.6	0.42	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

ND = NOT DETECTED, RESULT < LOD.
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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 6
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-33 0.5'							
6	ARSENIC TOTAL EPA 6020A	2.3	0.36	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

ND = NOT DETECTED, RESULT < LOD.
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COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 7

SAMPLED BY: MI
STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

SAMPLE MATRIX: SOIL

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-34 0.5'							
7	ARSENIC TOTAL EPA 6020A	1.5	0.37	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

ND = NOT DETECTED, RESULT < LOD.
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DISS = DISSOLVED

COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 8
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-35 0.5'							
8	ARSENIC TOTAL EPA 6020A	3.7	0.41	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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DISS = DISSOLVED

COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 9
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-36 0.5'							
9	ARSENIC TOTAL EPA 6020A	6.3	0.38	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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

COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 10
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-37 0.5'							
10	ARSENIC TOTAL EPA 6020A	8.9	0.41	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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LOD = LIMIT OF DETECTION
DISS = DISSOLVED

COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 11

SAMPLED BY: MI
STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

SAMPLE MATRIX: SOIL

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-38 0.5'							
11	ARSENIC TOTAL EPA 6020A	5.2	0.40	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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LOCATION: KROUPA
SAMPLED BY: MI
STEVE HEMSTREET/OMPC
SAMPLE MATRIX: SOIL

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 12
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-39 0.5'							
12	ARSENIC TOTAL EPA 6020A	6.0	0.38	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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

COMPANY: OMPC
PROJECT NO: 20-343
LOCATION: KROUPA

GTA PROJECT NO: 121120-
GTA SAMPLE NO: 13

SAMPLED BY: MI
STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 PM

SAMPLE MATRIX: SOIL

METALS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
SAMPLE ID: HA-43 10'							
13	ARSENIC TOTAL EPA 6020A	0.58	0.35	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B
13	COPPER TOTAL EPA 6020A	4.9	0.35	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B
13	LEAD TOTAL EPA 6020A	2.4	0.35	mg/Kg (PPM)	MR	12/16/2020	EPA 3050B

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COMPANY:	OMPC	GTA PROJECT NO:	121120-9
PROJECT NO:	20-343	GTA SAMPLE NO:	13
LOCATION:	KROUPA	DATE RECEIVED:	12/11/2020
	MI	TIME RECEIVED:	4:45 PM
SAMPLED BY:	STEVE HEMSTREET/OMPC	DATE SAMPLED:	12/11/2020
		TIME SAMPLED:	3:00 PM
SAMPLE ID:	HA-43 10'	SAMPLE MATRIX:	SOIL

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
CHLORIDE EPA 300.0	ND	110	mg/Kg (PPM)	LV	12/15/2020
SULFATE EPA 300.0	ND	110	mg/Kg (PPM)	LV	12/15/2020

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LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

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COMPANY: OMPC

NAME:
PROJECT NO: 20-343

LOCATION: KROUPA

MI

GTA PROJECT NO: 121120-
SAMPLED BY: STEVE HEMSTREET/OMPCDATE SAMPLED: 12/11/2020
TIME SAMPLED: 3:00 PM

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/11/2020
TIME RECEIVED: 4:45 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: HA-28 0.5'	% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-29 0.5'	% MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-30 0.5'	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-31 0.5'	% MOISTURE EPA 3550C	8.9	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-32 0.5'	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-33 0.5'	% MOISTURE EPA 3550C	9.0	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-34 0.5'	% MOISTURE EPA 3550C	8.9	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-35 0.5'	% MOISTURE EPA 3550C	7.7	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-36 0.5'	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-37 0.5'	% MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-38 0.5'	% MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	12/11/2020
SAMPLE ID: HA-39 0.5'	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	12/11/2020

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COMPANY: OMPC

NAME:

PROJECT NO: 20-343

LOCATION: KROUPA

MI

GTA PROJECT NO: 121120-

SAMPLED BY: STEVE HEMSTREET/OMPC

DATE SAMPLED: 12/11/2020

TIME SAMPLED: 3:00 PM

SAMPLE MATRIX: SOIL

DATE RECEIVED: 12/11/2020

TIME RECEIVED: 4:45 PM

MOISTURE**No: Analysis**

SAMPLE ID: HA-43 10'

% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
9.3	0.050	% OF SAMPLE	AS	12/11/2020

CHAIN OF CUSTODY

PROJECT NUMBER 20-343	SITE NAME/ADDRESS Kroupa	COMPANY/NAME
SAMPLED BY Steve Hemstreet	COMPANY Otnell Mawby	GTA PROJECT # 121120-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	HA-28 @ 0.5'	12/11/20	3:00pm	Soil	Arsenic
2	HA-29 @ 0.5				
3	HA-30 @ 0.5				
4	HA-31 @ 0.5				
5	HA-32 @ 0.5				
6	HA-33 @ 0.5				
7	HA-34 @ 0.5				
8	HA-35 @ 0.5				
9	HA-36 @ 0.5				
10	HA-37 @ 0.5				
11	HA-38 @ 0.5				
12	HA-39 @ 0.5				
13	HA-43 @ 10'	✓	✓	✓	chlorides, arsenic, Cu, Pb, sulfates

BILL TO:

Otnell Mawby

REPORT TO:

Otnell Mawby

RELEASED BY

DATE/TIME

12/11/20 4:45 pm

RECEIVED BY

DATE/TIME

12/11/20 7:45

REQUESTED TAT



STANDARD

☐ **1 BUSINESS DAY**

☐ **2 BUSINESS DAYS**

☐ **3 BUSINESS DAYS**