

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: APOLLO
Name:
ClientProj: 180223-0900
GTA ProjNo: 061022-16

Site Addr: JOHNSON 3-25

Sampled By: BB/JL - ECT
Date Rec: 6/10/2022
Time Rec: 1:50 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SS-E	6/10/2022	11:28 AM	SOIL
2	SS-SW	6/10/2022	11:35 AM	SOIL
3	SS-W	6/10/2022	11:40 AM	SOIL
4	SS-N	6/10/2022	11:45 AM	SOIL
5	SS-1-1'	6/10/2022	12:00 PM	SOIL
6	SS-1-2'	6/10/2022	12:07 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: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-E

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 1
DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:28 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM
SAMPLED BY: BB/JL - ECT

EPA 8260B 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	50	ug/Kg (PPB)	MR	6/10/2022	6/15/2022	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: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-SW

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 2
DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM
SAMPLED BY: BB/JL - ECT

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	6/10/2022	6/15/2022	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

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COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-W

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 3
DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:40 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM
SAMPLED BY: BB/JL - ECT

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	6/10/2022	6/15/2022	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

COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-N
GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 4
DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:45 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM
SAMPLED BY: BB/JL - ECT

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	6/10/2022	6/15/2022	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:	APOLLO	GTA PROJECT NO:	061022-16
PROJECT NO:	180223-0900	GTA SAMPLE NO:	5
LOCATION:	JOHNSON 3-25	DATE SAMPLED:	6/10/2022
		TIME SAMPLED:	12:00 PM
	MI	DATE RECEIVED:	6/10/2022
		TIME RECEIVED:	1:50 PM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	SS-1-1'	SAMPLED BY:	BB/JL - ECT

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	6/10/2022	6/15/2022	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: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25
MI
SAMPLE MATRIX: SOIL
SAMPLE ID: SS-1-2'

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 6
DATE SAMPLED: 6/10/2022
TIME SAMPLED: 12:07 PM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM
SAMPLED BY: BB/JL - ECT

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	6/10/2022	6/15/2022	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: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 1

DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:28 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI
SAMPLED BY: BB/JL - ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-E						
	CHLORIDE EPA 300.0	140	110	mg/Kg (PPM)	KC/AS	6/16/2022	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 2

DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI
SAMPLED BY: BB/JL - ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-SW						
	CHLORIDE EPA 300.0	190	110	mg/Kg (PPM)	KC/AS	6/16/2022	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 3

DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:40 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI
SAMPLED BY: BB/JL - ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-W						
	CHLORIDE EPA 300.0	140	96	mg/Kg (PPM)	KC/AS	6/16/2022	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 4

DATE SAMPLED: 6/10/2022
TIME SAMPLED: 11:45 AM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI
SAMPLED BY: BB/JL - ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-N CHLORIDE EPA 300.0	ND	120	mg/Kg (PPM)	KC/AS	6/16/2022	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 5

DATE SAMPLED: 6/10/2022
TIME SAMPLED: 12:00 PM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI
SAMPLED BY: BB/JL - ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-1-1'						
	CHLORIDE EPA 300.0	1,400	110	mg/Kg (PPM)	KC/AS	6/16/2022	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: APOLLO
PROJECT NO: 180223-0900
LOCATION: JOHNSON 3-25

GTA PROJECT NO: 061022-16
GTA SAMPLE NO: 6

DATE SAMPLED: 6/10/2022
TIME SAMPLED: 12:07 PM
DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI
SAMPLED BY: BB/JL - ECT

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SS-1-2'						
	CHLORIDE EPA 300.0	230	110	mg/Kg (PPM)	KC/AS	6/16/2022	SOIL

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
s.u. = STANDARD pH UNITS REPORTED AT 25 C

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COMPANY: APOLLO

NAME:

PROJECT NO: 180223-0900

GTA PROJECT NO: 061022-
SAMPLED BY: BB/JL - ECT

DATE SAMPLED: 6/10/2022

LOCATION: JOHNSON 3-25

SAMPLE MATRIX: SOIL

DATE RECEIVED: 6/10/2022
TIME RECEIVED: 1:50 PM

MI

MOISTURE

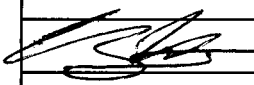
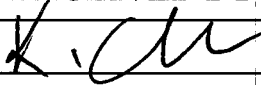
<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: SS-EAST	% MOISTURE EPA 3550C	17	0.050	% OF SAMPLE	AS	6/13/2022
SAMPLE ID: SS-SW	% MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	AS	6/13/2022
SAMPLE ID: SS-W	% MOISTURE EPA 3550C	11	0.050	% OF SAMPLE	AS	6/13/2022
SAMPLE ID: SS-N	% MOISTURE EPA 3550C	17	0.050	% OF SAMPLE	AS	6/13/2022
SAMPLE ID: SS-1-1'	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	6/13/2022
SAMPLE ID: SS-1-2'	% MOISTURE EPA 3550C	15	0.050	% OF SAMPLE	AS	6/13/2022

CHAIN OF CUSTODY

PROJECT NUMBER 180223-0900	SITE NAME/ADDRESS Johnson 3-25	COMPANY/NAME APOLLO
SAMPLED BY B. BAUMANN / J. LEWANDOWSKI	COMPANY ECT	GTA PROJECT # 061022-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	SS-E	6/10/22	1128	SOIL	BTX+4, CL
2	SS-SW	↓	1135	↓	↓
3	SS-W	↓	1140	↓	↓
4	SS-N	↓	1145	↓	↓
5	SS-1-1 SS-1-1'	SS-1-1'	1200	↓	↓
6	SS-1-2'	↓	1207	↓	↓

BILL TO: APOLLO	TempRec: ☐ 2.0°C	On Ice? ☒ Y ☐ N	REPORT TO: JOSEPH LEWANDOWSKI
RELEASED BY 	DATE/TIME 6/10/22 13:50	RECEIVED BY 	DATE/TIME 6/10/22 13:50
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			