

**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: 250195.01
GTA ProjNo: 082825-8

Site Addr: TN - HOUGHTON LAKE
HOUGHTON LAKE
Sampled By: DJT/GCES
Date Rec: 8/28/2025
Time Rec: 11:34 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	PR-3-N (3')	8/27/2025	3:30 PM	SOIL
2	PR-3-E (3')	8/27/2025	3:35 PM	SOIL
3	PR-3-S (3')	8/27/2025	3:40 PM	SOIL
4	PR-3-W (3')	8/27/2025	3:45 PM	SOIL
5	FL-1 (14')	8/27/2025	4:00 PM	SOIL
6	COMPOSITE	8/27/2025	4:10 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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COMPANY: GCES
NAME:
PROJECT NO: 250195.01
LOCATION: TN - HOUGHTON LAKE

HOUGHTON LAKE

MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 082825-8
GTA SAMPLE NO: 1

DATE SAMPLED: 8/27/2025
TIME SAMPLED: 3:30 PM

DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM

EPA 8260B VOLATILE ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	PR-3-N (3')							
SAMPLE MATRIX:	SOIL							
1,2,4-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
1,3,5-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
2,2,4-Trimethylpentane		ND	2,500	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
2-Methylnaphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
Benzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
Ethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
Naphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
n-Hexane		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
n-Propylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
Pentane		ND	5,000	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
sec-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
tert-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
Toluene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A
Xylene (total)		ND	150	ug/Kg (PPB)	MR	8/27/2025	9/2/2025	EPA 5035A

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

ND = NOT DETECTED, RESULT < LOD
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COMPANY: GCES
NAME:
PROJECT NO: 250195.01
LOCATION: TN - HOUGHTON LAKE

HOUGHTON LAKE

MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 082825-8
GTA SAMPLE NO: 2

DATE SAMPLED: 8/27/2025
TIME SAMPLED: 3:35 PM

DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM

EPA 8260B VOLATILE ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	PR-3-E (3')							
SAMPLE MATRIX:	SOIL							
1,2,4-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
1,3,5-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
2,2,4-Trimethylpentane		ND	2,500	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
2-Methylnaphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Benzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Ethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Naphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
n-Hexane		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
n-Propylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Pentane		ND	5,000	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
sec-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
tert-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Toluene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Xylene (total)		ND	150	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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COMPANY: GCES
NAME:
PROJECT NO: 250195.01
LOCATION: TN - HOUGHTON LAKE

HOUGHTON LAKE

MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 082825-8
GTA SAMPLE NO: 3

DATE SAMPLED: 8/27/2025
TIME SAMPLED: 3:40 PM

DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM

EPA 8260B VOLATILE ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	PR-3-S (3')							
SAMPLE MATRIX:	SOIL							
1,2,4-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
1,3,5-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
2,2,4-Trimethylpentane		ND	2,500	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
2-Methylnaphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Benzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Ethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Naphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
n-Hexane		ND	250	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
n-Propylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Pentane		ND	5,000	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
sec-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
tert-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Toluene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Xylene (total)		ND	150	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A

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COMPANY: GCES
NAME:
PROJECT NO: 250195.01
LOCATION: TN - HOUGHTON LAKE

HOUGHTON LAKE

MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 082825-8
GTA SAMPLE NO: 4

DATE SAMPLED: 8/27/2025
TIME SAMPLED: 3:45 PM

DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM

EPA 8260B VOLATILE ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	PR-3-W (3')							
SAMPLE MATRIX:	SOIL							
1,2,4-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
1,3,5-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
2,2,4-Trimethylpentane		ND	2,500	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
2-Methylnaphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Benzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Ethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Naphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
n-Hexane		ND	250	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
n-Propylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Pentane		ND	5,000	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
sec-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
tert-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Toluene		ND	50	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A
Xylene (total)		ND	150	ug/Kg (PPB)	MR	8/27/2025	9/1/2025	EPA 5035A

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COMPANY: GCES
NAME:
PROJECT NO: 250195.01
LOCATION: TN - HOUGHTON LAKE

HOUGHTON LAKE

MI
SAMPLED BY: DJT/GCES

GTA PROJECT NO: 082825-8
GTA SAMPLE NO: 5

DATE SAMPLED: 8/27/2025
TIME SAMPLED: 4:00 PM

DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM

EPA 8260B VOLATILE ORGANICS

<u>No:</u>	<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>
SAMPLE ID:	FL-1 (14')							
SAMPLE MATRIX:	SOIL							
1,2,4-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
1,3,5-Trimethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
2,2,4-Trimethylpentane		ND	2,500	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
2-Methylnaphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Benzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Ethylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Naphthalene		ND	250	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
n-Hexane		ND	250	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
n-Propylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Pentane		ND	5,000	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
sec-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
tert-Butylbenzene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Toluene		ND	50	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A
Xylene (total)		ND	150	ug/Kg (PPB)	MR	8/27/2025	8/29/2025	EPA 5035A

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ND = NOT DETECTED, RESULT < LOD
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COMPANY: GCES
PROJECT NO: 250195.01
LOCATION: TN - HOUGHTON LAKE

HOUGHTON LAKE
MI
SAMPLED BY: DJT/GCES

SAMPLE ID: COMPOSITE

SAMPLE MATRIX: SOIL

GTA PROJECT NO: 082825-8
GTA SAMPLE NO: 6

DATE SAMPLED: 8/27/2025
TIME SAMPLED: 4:10 PM

DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM

EPA 1311 TCLP - METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
LEAD TCLP EPA 1311/6020A	0.0033	0.0020	mg/L (PPM)	MR	9/2/2025	1311/3005A

ND = NOT DETECTED
LOD = LIMIT OF DETECTION

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www.gtanalytical.com

COMPANY: GCES

GTA PROJECT NO: 082825-8
SAMPLED BY: DJT/GCESNAME:
PROJECT NO: 250195.01

DATE SAMPLED: 8/27/2025

LOCATION: TN - HOUGHTON LAKE
HOUGHTON LAKE
MISAMPLE MATRIX: SOIL
DATE RECEIVED: 8/28/2025
TIME RECEIVED: 11:34 AM**SAMPLE ANALYSIS**

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: PR-3-N (3')	% MOISTURE EPA 3550C	3.1	0.10	% OF SAMPLE	AA	8/28/2025
SAMPLE ID: PR-3-E (3')	% MOISTURE EPA 3550C	2.6	0.10	% OF SAMPLE	AA	8/28/2025
SAMPLE ID: PR-3-S (3')	% MOISTURE EPA 3550C	3.1	0.10	% OF SAMPLE	AA	8/28/2025
SAMPLE ID: PR-3-W (3')	% MOISTURE EPA 3550C	2.7	0.10	% OF SAMPLE	AA	8/28/2025
SAMPLE ID: FL-1 (14')	% MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AA	8/28/2025
SAMPLE ID: COMPOSITE	% MOISTURE EPA 3550C	6.8	0.10	% OF SAMPLE	AA	8/28/2025

CHAIN OF CUSTODY

PROJECT NUMBER 250195.01	SITE NAME/ADDRESS TN- Houghton Lake	COMPANY/NAME TN
SAMPLED BY DJT	COMPANY GCE5	GTA PROJECT # 082825-8

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	PR-3-N (3')	8/27/25	1530	Soil	BTEX Full 201 list
2	PR-3-E (3')		1535		
3	PR-3-S (3')		1540		
4	PR-3-W (3')		1545		
5	FL-1 (14')		1600		
6	Composite		1610		Lead (TCLP)
					Hold all for full part
					201 if necessary
					[Don't need to run
					1,2 DCA or anything below
					on list, 2-meth and
					above] Hold remainder

BILL TO: GCE5	TempRec: ☐ 5.8°C	On Ice? ☒ ☐	REPORT TO: A. Segerling
RELEASED BY 1211 [Signature]	DATE/TIME 8/28/25 1131	RECEIVED BY K. Chu	DATE/TIME 8/28/25 1131
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			