



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: HOUND RESOURCES, LLC  
Name:  
ClientProj:

Site Addr: MARSHALL 1-7

GTA ProjNo: 101823-12

Sampled By: LMH-J/ECT  
Date Rec: 10/18/2023  
Time Rec: 3:52 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	NORTH SW	10/18/2023		SOIL
2	SOUTH SW	10/18/2023		SOIL
3	EAST SW	10/18/2023		SOIL
4	WEST SW	10/18/2023		SOIL
5	F-1	10/18/2023		SOIL
6	F-2	10/18/2023		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  
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COMPANY: HOUND RESOURCES, LLC

PROJECT NO:

LOCATION: MARSHALL 1-7

MI

SAMPLE MATRIX: SOIL  
SAMPLE ID: NORTH SW

GTA PROJECT NO: 101823-12

GTA SAMPLE NO: 1

DATE SAMPLED: 10/18/2023

TIME SAMPLED:

DATE RECEIVED: 10/18/2023

TIME RECEIVED: 3:52 PM

SAMPLED BY: LMH-J/ECT

\*\*THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/18/2023	10/20/2023	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: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: SOUTH SW

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: LMH-J/ECT  
 \*\*THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/18/2023	10/20/2023	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: HOUND RESOURCES, LLC  
PROJECT NO:  
LOCATION: MARSHALL 1-7  
MI  
SAMPLE MATRIX: SOIL  
SAMPLE ID: EAST SW

GTA PROJECT NO: 101823-12  
GTA SAMPLE NO: 3  
DATE SAMPLED: 10/18/2023  
TIME SAMPLED:  
DATE RECEIVED: 10/18/2023  
TIME RECEIVED: 3:52 PM

SAMPLED BY: LMH-J/ECT  
\*\*THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/18/2023	10/20/2023	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: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: WEST SW

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: LMH-J/ECT  
 \*\*THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/18/2023	10/20/2023	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: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: F-1

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: LMH-J/ECT  
 \*\*THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/18/2023	10/20/2023	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: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLE MATRIX: SOIL  
 SAMPLE ID: F-2

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

SAMPLED BY: LMH-J/ECT  
 \*\*THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/18/2023	10/20/2023	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: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

**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 Matrix</u>
	SAMPLE ID: NORTH SW CHLORIDE EPA 300.0	ND	130	mg/Kg (PPM)	KC/AS	10/20/2023	SOIL

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

COMPANY: HOUND RESOURCES, LLC

PROJECT NO:

LOCATION: MARSHALL 1-7

MI

SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 101823-12

GTA SAMPLE NO: 2

DATE SAMPLED: 10/18/2023

TIME SAMPLED:

DATE RECEIVED: 10/18/2023

TIME RECEIVED: 3:52 PM

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: SOUTH SW

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	110	mg/Kg (PPM)	KC/AS	10/20/2023	SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: HOUND RESOURCES, LLC

PROJECT NO:

LOCATION: MARSHALL 1-7

MI

SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 101823-12

GTA SAMPLE NO: 3

DATE SAMPLED: 10/18/2023

TIME SAMPLED:

DATE RECEIVED: 10/18/2023

TIME RECEIVED: 3:52 PM

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: EAST SW

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
ND	110	mg/Kg (PPM)	KC/AS	10/20/2023	SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

**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 Matrix</u>
SAMPLE ID:	WEST SW	ND	130	mg/Kg (PPM)	KC/AS	10/20/2023	SOIL
	CHLORIDE EPA 300.0						

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

COMPANY: HOUND RESOURCES, LLC  
 PROJECT NO:  
 LOCATION: MARSHALL 1-7  
 MI  
 SAMPLED BY: LMH-J/ECT

GTA PROJECT NO: 101823-12  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 10/18/2023  
 TIME SAMPLED:  
 DATE RECEIVED: 10/18/2023  
 TIME RECEIVED: 3:52 PM

**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 Matrix</u>
SAMPLE ID: F-1	CHLORIDE EPA 300.0	ND	97	mg/Kg (PPM)	KC/AS	10/20/2023	SOIL

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

COMPANY: HOUND RESOURCES, LLC

GTA PROJECT NO: 101823-12

GTA SAMPLE NO: 6

PROJECT NO:

LOCATION: MARSHALL 1-7

DATE SAMPLED: 10/18/2023

TIME SAMPLED:

DATE RECEIVED: 10/18/2023

TIME RECEIVED: 3:52 PM

MI

SAMPLED BY: LMH-J/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 Matrix</u>
SAMPLE ID: F-2	CHLORIDE EPA 300.0	ND	95	mg/Kg (PPM)	KC/AS	10/20/2023	SOIL

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



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COMPANY: HOUND RESOURCES, LLC

NAME:  
PROJECT NO:

LOCATION: MARSHALL 1-7  
  
MI

GTA PROJECT NO: 101823-12  
SAMPLED BY: LMH-J/ECT

DATE SAMPLED: 10/18/2023

SAMPLE SOIL

DATE RECEIVED: 10/18/2023  
TIME RECEIVED: 3:52 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: NORTH SW % MOISTURE EPA 3550C	28	0.10	% OF SAMPLE	AS	10/18/2023
SAMPLE ID: SOUTH SW % MOISTURE EPA 3550C	9.5	0.10	% OF SAMPLE	AS	10/18/2023
SAMPLE ID: EAST SW % MOISTURE EPA 3550C	12	0.10	% OF SAMPLE	AS	10/18/2023
SAMPLE ID: WEST SW % MOISTURE EPA 3550C	28	0.10	% OF SAMPLE	AS	10/18/2023
SAMPLE ID: F-1 % MOISTURE EPA 3550C	8.3	0.10	% OF SAMPLE	AS	10/18/2023
SAMPLE ID: F-2 % MOISTURE EPA 3550C	8.1	0.10	% OF SAMPLE	AS	10/18/2023

