



**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: WHITE PINE PRODUCTION  
Name:  
ClientProj: 20-157A  
GTA ProjNo: 042224-1

Site Addr: JOSEPH #1  
Sampled By: WPM/OMPC  
Date Rec: 4/22/2024  
Time Rec: 9:10 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1D	4/18/2024	11:40 AM	WATER
2	MW-2	4/18/2024	2:50 PM	WATER
3	MW-3D	4/18/2024	12:20 PM	WATER
4	MW-4	4/18/2024	1:05 PM	WATER
5	MW-8	4/18/2024	1:40 PM	WATER
6	MW-9	4/18/2024	2:20 PM	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  
Grand Traverse Analytical  
830 Robinwood Court  
Traverse City, MI 49686  
Ph: 231-929-0905  
Fx: 231-929-0894  
SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-1D

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 11:40 AM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: WPM/OMPC

**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 Completed</u>	<u>Prep Method</u>
Benzene	1.4	1.0	ug/L (PPB)	MR		4/23/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.3	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-2

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 2:50 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: WPM/OMPC

**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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/23/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-3D

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 12:20 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: WPM/OMPC

**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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/23/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 1:05 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: WPM/OMPC

**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 Completed</u>	<u>Prep Method</u>
Benzene	840	1.0	ug/L (PPB)	MR		4/23/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-8

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 1:40 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: WPM/OMPC

**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 Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/23/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
 ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION

PROJECT NO: 20-157A  
LOCATION: JOSEPH #1

MI

SAMPLE MATRIX: WATER  
SAMPLE ID: MW-9

GTA PROJECT NO: 042224-1  
GTA SAMPLE NO: 6

DATE SAMPLED: 4/18/2024  
TIME SAMPLED: 2:20 PM  
DATE RECEIVED: 4/22/2024  
TIME RECEIVED: 9:10 AM

SAMPLED BY: WPM/OMPC

**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 Completed</u>	<u>Prep Method</u>
Benzene	2.7	1.0	ug/L (PPB)	MR		4/23/2024	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.  
ND = NOT DETECTED, RESULT < LOD  
LOD = LIMIT OF DETECTION



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION  
PROJECT NO: 20-157A  
LOCATION: JOSEPH #1

GTA PROJECT NO: 042224-1  
GTA SAMPLE NO: 1

DATE SAMPLED: 4/18/2024  
TIME SAMPLED: 11:40 AM  
DATE RECEIVED: 4/22/2024  
TIME RECEIVED: 9:10 AM

MI  
SAMPLED BY: WPM/OMPC

**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: MW-1D							
CHLORIDE EPA 300.0		100	10	mg/L (PPM)	KC/TR	4/29/2024	WATER

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



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION

PROJECT NO: 20-157A  
LOCATION: JOSEPH #1

GTA PROJECT NO: 042224-1  
GTA SAMPLE NO: 2

DATE SAMPLED: 4/18/2024  
TIME SAMPLED: 2:50 PM  
DATE RECEIVED: 4/22/2024  
TIME RECEIVED: 9:10 AM

SAMPLED BY: MI  
WPM/OMPC

**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: MW-2	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/29/2024	WATER

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

COMPANY: WHITE PINE PRODUCTION

PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 3

DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 12:20 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: MI  
 WPM/OMPC

**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: MW-3D CHLORIDE EPA 300.0	49	10	mg/L (PPM)	KC/TR	4/29/2024	WATER

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

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 1:05 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: MI  
 WPM/OMPC

**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: MW-4 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/29/2024	WATER

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



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 1:40 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: MI  
 WPM/OMPC

**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: MW-8 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/29/2024	WATER

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

COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-157A  
 LOCATION: JOSEPH #1

GTA PROJECT NO: 042224-1  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 4/18/2024  
 TIME SAMPLED: 2:20 PM  
 DATE RECEIVED: 4/22/2024  
 TIME RECEIVED: 9:10 AM

SAMPLED BY: MI  
 WPM/OMPC

**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: MW-9	CHLORIDE EPA 300.0	66	10	mg/L (PPM)	KC/TR	4/29/2024	WATER

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

