



**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: 041423-7

Site Addr: JOSEPH 1

Sampled By: WPM/OMPC  
Date Rec: 4/14/2023  
Time Rec: 4:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1D	4/14/2023	2:15 PM	WATER
2	MW-2	4/14/2023	2:25 PM	WATER
3	MW-3D	4/14/2023	12:30 PM	WATER
4	MW-4	4/14/2023	1:15 PM	WATER
5	MW-8	4/14/2023	1:50 PM	WATER
6	MW-9	4/14/2023	2:35 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: 041423-7  
GTA SAMPLE NO: 1  
DATE SAMPLED: 4/14/2023  
TIME SAMPLED: 2:15 PM  
DATE RECEIVED: 4/14/2023  
TIME RECEIVED: 4:00 PM  
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 Complete</u>	<u>Prep Method</u>
Benzene	130	1.0	ug/L (PPB)	MR		4/18/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	6.2	1.0					
Xylene(Total)	ND	3.0					

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: 041423-7  
GTA SAMPLE NO: 2  
DATE SAMPLED: 4/14/2023  
TIME SAMPLED: 2:25 PM  
DATE RECEIVED: 4/14/2023  
TIME RECEIVED: 4:00 PM  
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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/18/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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: 041423-7  
GTA SAMPLE NO: 3  
DATE SAMPLED: 4/14/2023  
TIME SAMPLED: 12:30 PM  
DATE RECEIVED: 4/14/2023  
TIME RECEIVED: 4:00 PM  
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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/18/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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-4

GTA PROJECT NO: 041423-7  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/14/2023  
 TIME SAMPLED: 1:15 PM  
 DATE RECEIVED: 4/14/2023  
 TIME RECEIVED: 4:00 PM

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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/18/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	1.3	1.0					
Xylene(Total)	ND	3.0					

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: 041423-7  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 4/14/2023  
 TIME SAMPLED: 1:50 PM  
 DATE RECEIVED: 4/14/2023  
 TIME RECEIVED: 4:00 PM

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 Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/18/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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: 041423-7  
 GTA SAMPLE NO: 6  
 DATE SAMPLED: 4/14/2023  
 TIME SAMPLED: 2:35 PM  
 DATE RECEIVED: 4/14/2023  
 TIME RECEIVED: 4:00 PM

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 Complete</u>	<u>Prep Method</u>
Benzene	2.6	1.0	ug/L (PPB)	MR		4/18/2023	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	14	1.0					
Xylene(Total)	3.8	3.0					

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: 041423-7  
GTA SAMPLE NO: 1  
DATE SAMPLED: 4/14/2023  
TIME SAMPLED: 2:15 PM  
DATE RECEIVED: 4/14/2023  
TIME RECEIVED: 4:00 PM

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	130	10	mg/L (PPM)	TR/KC	4/24/2023	WATER
	CONDUCTIVITY SM2510-B	1,900	1.0	uS/cm@25C	TR	4/20/2023	WATER

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

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

GTA PROJECT NO: 041423-7  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 4/14/2023  
 TIME SAMPLED: 2:25 PM  
 DATE RECEIVED: 4/14/2023  
 TIME RECEIVED: 4:00 PM

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-2						
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR/KC	4/24/2023	WATER
CONDUCTIVITY SM2510-B	700	1.0	uS/cm@25C	TR	4/20/2023	WATER

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

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

GTA PROJECT NO: 041423-7  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 4/14/2023  
 TIME SAMPLED: 12:30 PM  
 DATE RECEIVED: 4/14/2023  
 TIME RECEIVED: 4:00 PM

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-3D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR/KC	4/20/2023	WATER
	CONDUCTIVITY SM2510-B	900	1.0	uS/cm@25C	TR	4/20/2023	WATER

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

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

GTA PROJECT NO: 041423-7  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/14/2023  
 TIME SAMPLED: 1:15 PM  
 DATE RECEIVED: 4/14/2023  
 TIME RECEIVED: 4:00 PM

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-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR/KC	4/20/2023	WATER
	CONDUCTIVITY SM2510-B	870	1.0	uS/cm@25C	TR	4/20/2023	WATER

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



**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: 041423-7  
GTA SAMPLE NO: 5  
DATE SAMPLED: 4/14/2023  
TIME SAMPLED: 1:50 PM  
DATE RECEIVED: 4/14/2023  
TIME RECEIVED: 4:00 PM

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-8						
	CHLORIDE EPA 300.0	15	10	mg/L (PPM)	TR/KC	4/20/2023	WATER
	CONDUCTIVITY SM2510-B	710	1.0	uS/cm@25C	TR	4/20/2023	WATER

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



**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: 041423-7  
GTA SAMPLE NO: 6  
DATE SAMPLED: 4/14/2023  
TIME SAMPLED: 2:35 PM  
DATE RECEIVED: 4/14/2023  
TIME RECEIVED: 4:00 PM

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-9						
CHLORIDE EPA 300.0	19	10	mg/L (PPM)	TR/KC	4/20/2023	WATER
CONDUCTIVITY SM2510-B	930	1.0	uS/cm@25C	TR	4/20/2023	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER <b>20-157A</b>	SITE NAME/ADDRESS <b>Joseph 1</b>	COMPANY/NAME <b>White Phe</b>
SAMPLED BY <b>LPM</b>	COMPANY <b>OMPC</b>	GTA PROJECT # <b>041423-7</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	<b>MW-1D</b>	<b>4-14-23</b>	<b>415</b>	<b>H<sub>2</sub>O</b>	<b>BTEX, Chlorides &amp; Conductivity</b>
	<b>MW-2</b>	↓	<b>6425</b>	↓	↓
	<b>MW-3D</b>		<b>1230</b>		
	<b>MW-4</b>		<b>1315</b>		
	<b>MW-8</b>		<b>1350</b>		
	<b>MW-9</b>		<b>1435</b>		

<b>BILL TO:</b>	TempRec: <input type="checkbox"/>	On Ice? <input checked="" type="checkbox"/> <input type="checkbox"/>	<b>REPORT TO:</b>
	<b>4.0°C</b>		

<b>RELEASED BY</b>	<b>DATE/TIME</b>	<b>RECEIVED BY</b>	<b>DATE/TIME</b>
<i>[Signature]</i>	<b>4/14/23 1600</b>	<i>[Signature]</i>	<b>4/14/23 1600</b>

REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS