



**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: 20-356A  
GTA ProjNo: 040323-2

Site Addr: SBC D-4 FLOWLINE

Sampled By: WPM/OMPC  
Date Rec: 4/3/2023  
Time Rec: 3:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	4/3/2023	11:35 AM	WATER
2	MW-1D	4/3/2023	11:55 AM	WATER
3	MW-2	4/3/2023	12:25 PM	WATER
4	MW-3	4/3/2023	1:20 PM	WATER
5	MW-4	4/3/2023	12:55 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  
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COMPANY: WHITE PINE PRODUCTION  
 PROJECT NO: 20-356A  
 LOCATION: SBC D-4 FLOWLINE  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-1

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 11:35 AM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 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		4/4/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-1D

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 2  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 11:55 AM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 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		4/4/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-2

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 3  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 12:25 PM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/4/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-3

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 1:20 PM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		4/4/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE  
 MI  
 SAMPLE MATRIX: WATER  
 SAMPLE ID: MW-4

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 12:55 PM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 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		4/4/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 1  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 11:35 AM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 PM

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-1	CHLORIDE EPA 300.0	300	10	mg/L (PPM)	KC/TR	4/10/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 2

DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 11:55 AM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 PM

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-1D	CHLORIDE EPA 300.0	420	10	mg/L (PPM)	KC/TR	4/10/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 3

DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 12:25 PM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 PM

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	120	10	mg/L (PPM)	KC/TR	4/10/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 1:20 PM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 PM

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-3	CHLORIDE EPA 300.0	350	10	mg/L (PPM)	KC/TR	4/10/2023	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: 20-356A  
 LOCATION: SBC D-4 FLOWLINE

GTA PROJECT NO: 040323-2  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 4/3/2023  
 TIME SAMPLED: 12:55 PM  
 DATE RECEIVED: 4/3/2023  
 TIME RECEIVED: 3:40 PM

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	110	10	mg/L (PPM)	KC/TR	4/10/2023	WATER
	CHLORIDE EPA 300.0						

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

**CHAIN OF CUSTODY**

PROJECT NUMBER <b>20-356A</b>	SITE NAME/ADDRESS <b>SBC D-4 Flowline</b>	COMPANY/NAME <b>White Pine</b>
SAMPLED BY <b>WPM</b>	COMPANY <b>DMPC</b>	GTA PROJECT # <b>040323-2</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-1	4-3-23	1135	H <sub>2</sub> O	HIPs + Chlorides
2	MW-1P	↓	1155	↓	↓
3	MW-2		1220 <sup>S</sup>		
4	MW-3		1320		
5	MW-4		1255		

<b>BILL TO:</b>	TempRec: <input type="checkbox"/> <b>2.0°C</b>	On Ice? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<b>REPORT TO:</b> <b>Dan Barton</b>
-----------------	--	--	--

<b>RELEASED BY</b> <b>D. Kelly</b>	<b>DATE/TIME</b> <b>4-3-23 1500</b>	<b>RECEIVED BY</b> <b>[Signature]</b>	<b>DATE/TIME</b> <b>4/3/23 1540</b>
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS