

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MISSAUKEE OIL & GAS

Name:

ClientProj: 210899-0400

GTA ProjNo: 032823-16

Site Addr: NORWICH UNIT TR 4-156

Sampled By: BJB/JSL - ECT

Date Rec: 3/28/2023

Time Rec: 5:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-13	3/28/2023	10:43 AM	WATER
2	MW-3	3/28/2023	10:53 AM	WATER
3	MW-11D	3/28/2023	10:53 AM	WATER
4	MW-11	3/28/2023	10:38 AM	WATER
5	MW-2	3/28/2023	11:12 AM	WATER
6	MW-10	3/28/2023	11:35 AM	WATER
7	MW-1	3/28/2023	11:44 AM	WATER
8	MW-6	3/28/2023	11:58 AM	WATER
9	SUMP 1	3/28/2023	12:05 PM	WATER
10	MW-7-8'	3/28/2023	12:20 PM	WATER
11	MW-7-40'	3/28/2023	12:26 PM	WATER
12	MW-23	3/28/2023	1:30 PM	WATER
13	MW-16	3/28/2023	2:28 PM	WATER
14	MW-18	3/28/2023	3:07 PM	WATER
15	MW-14-8'	3/28/2023	11:24 AM	WATER
16	MW-14-40'	3/28/2023	11:29 AM	WATER
17	MW-8-20'	3/28/2023	11:59 AM	WATER
18	MW-8-5'	3/28/2023	12:05 PM	WATER
19	MW-20	3/28/2023	1:30 PM	WATER
20	MW-21	3/28/2023	2:18 PM	WATER
21	MW-17	3/28/2023	3:00 PM	WATER
22	MW-19	3/28/2023	3:36 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
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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 1

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 10:43 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-13							
CHLORIDE EPA 300.0		130	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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



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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 2

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 10:53 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-3							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 3

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 10:53 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-11D						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

ND = NOT DETECTED, RESULT < LOD
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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 4

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 10:38 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-11						
	CHLORIDE EPA 300.0	60	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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LOD = LIMIT OF DETECTION
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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 5

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:12 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
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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		440	50	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 6

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:35 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-10						
	CHLORIDE EPA 300.0	20	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 7

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:44 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 8

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:58 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
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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-6						
CHLORIDE EPA 300.0		46	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 9

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

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SAMPLED BY: BJB/JSL - 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:	SUMP 1						
	CHLORIDE EPA 300.0	30	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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

COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 10

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 12:20 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
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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-7-8'						
	CHLORIDE EPA 300.0	61	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 11

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 12:26 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-7-40'						
	CHLORIDE EPA 300.0	20	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 12

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-23							
CHLORIDE EPA 300.0		14	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 13

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 2:28 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-16						
	CHLORIDE EPA 300.0	27	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 14

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 3:07 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-18						
	CHLORIDE EPA 300.0	190	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 15

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:24 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-14-8'						
	CHLORIDE EPA 300.0	120	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 16

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:29 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - ECT

SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-14-40'
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	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 17

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 11:59 AM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
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SAMPLE ANALYSIS**No: Analysis**

SAMPLE ID: MW-8-20'
CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample Matrix</u>
15	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 18

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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:	MW-8-5'						
CHLORIDE EPA 300.0		130	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 19

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 1:30 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-20						
	CHLORIDE EPA 300.0	690	50	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 20

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 2:18 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-21							
CHLORIDE EPA 300.0		170	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 21

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 3:00 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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:	MW-17						
CHLORIDE EPA 300.0		1,100	100	mg/L (PPM)	KC/TR	4/3/2023	WATER

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION
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COMPANY: MISSAUKEE OIL & GAS
PROJECT NO: 210899-0400
LOCATION: NORWICH UNIT TR 4-156

GTA PROJECT NO: 032823-16
GTA SAMPLE NO: 22

DATE SAMPLED: 3/28/2023
TIME SAMPLED: 3:36 PM
DATE RECEIVED: 3/28/2023
TIME RECEIVED: 5:00 PM

MI
SAMPLED BY: BJB/JSL - 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: MW-19							
CHLORIDE EPA 300.0		36	10	mg/L (PPM)	KC/TR	4/3/2023	WATER

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

1 of 2

CHAIN OF CUSTODY

PROJECT NUMBER 210899-0400	SITE NAME/ADDRESS NORWICH 4-156 UNIT TR. 4-156	COMPANY/NAME MISSAUKEE OIL & GAS
SAMPLED BY BJB/JSL	COMPANY ECT	GTA PROJECT # 032823-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-13	3/28/23	1043	GW	CHLORIDE
2	MW-3		1053		
3	MW-11d		1053		
4	MW-11		1038		
5	MW-2		1112		
6	MW-10		1135		
7	MW-1		1144		
8	MW-6		1158		
9	Sump 1		1205		
10	MW-7-8'		1220		
11	MW-7-40'		1226		
12	MW-23		1330		
13	MW-16		1428		
14	MW-18		1507		
15	MW-14-8'		1124		

BILL TO:

MISSAUKEE OIL & GAS

TempRec: ☐

On Ice? ☐ ☐

REPORT TO:

BRIAN BAUMANN
JEKEM LEWANDOWSKI

RELEASED BY

DATE/TIME

3/28/23/1700

RECEIVED BY

DATE/TIME

K. Chu 3/28/23 1700

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

20F2

CHAIN OF CUSTODY

PROJECT NUMBER 210899-0400	SITE NAME/ADDRESS NORWICH UNIT TR. 4-156	COMPANY/NAME MISSAUVREE OIL & GAS
SAMPLED BY BJB/JSZ	COMPANY ECT	GTA PROJECT # 032823-16

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	MW-14-40'	3/28/23	1129	GW	CHLORIDE
17	MW-8-20'		1159		
18	MW-8-5'		1205		
19	MW-20		1330		
20	MW-21		1418		
21	MW-17		1500		
22	MW-19		1536		

BILL TO: MISSAUVREE OIL & GAS	TempRec: ☐ Y ☒ N	On Ice? ☐ ☒	REPORT TO: Bryan Baumann JEREMY LEWANDOWSKI
RELEASED BY 	DATE/TIME 3/28/23/1700	RECEIVED BY K. Chm	DATE/TIME 3/28/23 1700
REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS			