



**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: GTLC  
Name:  
ClientProj: 2018316003.04  
GTA ProjNo: 100819-5

Site Addr: SKEGEMOG TRAIL

Sampled By: PETER KALLIOINEN/GCES  
Date Rec: 10/8/2019  
Time Rec: 9:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
101	SB-1 (0.5')	10/7/2019	11:00 AM	SOIL
107	SB-7 (2.5')	10/7/2019	12:52 PM	SOIL
127	SB-6 (18')	10/7/2019	12:42 PM	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 L 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)

COMPANY: GTLC  
 PROJECT NO: 2018316003.04  
 LOCATION: SKEGEMOG TRAIL  
 MI  
 SAMPLED BY: PETER KALLIOINEN/GCES  
 SAMPLE ID: SB-1 (0.5')

GTA PROJECT NO: 100819-5  
 GTA SAMPLE NO: 101  
 DATE SAMPLED: 10/7/2019  
 TIME SAMPLED: 11:00 AM  
 DATE RECEIVED: 10/8/2019  
 TIME RECEIVED: 9:30 AM  
 SAMPLE MATRIX: SOIL

**METALS**

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
MERCURY SPLP EPA 1312/7470A	0.00086	0.00020	mg/L (PPM)	MR	10/25/2019	1312/7470
SILVER SPLP EPA 1312/6020A	ND	0.0010	mg/L (PPM)	MR	10/30/2019	1312/3005A

ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION

DISS = DISSOLVED

COMPANY: GTLC  
 PROJECT NO: 2018316003.04  
 LOCATION: SKEGEMOG TRAIL  
 MI  
 SAMPLED BY: PETER KALLIOINEN/GCES  
 SAMPLE ID: SB-7 (2.5')

GTA PROJECT NO: 100819-5  
 GTA SAMPLE NO: 107  
 DATE SAMPLED: 10/7/2019  
 TIME SAMPLED: 12:52 PM  
 DATE RECEIVED: 10/8/2019  
 TIME RECEIVED: 9:30 AM  
 SAMPLE MATRIX: SOIL

**METALS**

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
MERCURY SPLP EPA 1312/7470A	0.00072	0.00020	mg/L (PPM)	MR	10/25/2019	1312/7470
SILVER SPLP EPA 1312/6020A	ND	0.0010	mg/L (PPM)	MR	10/30/2019	1312/3005A

ND = NOT DETECTED, RESULT < LOD  
 LOD = LIMIT OF DETECTION

DISS = DISSOLVED

COMPANY: GTLC  
PROJECT NO: 2018316003.04  
LOCATION: SKEGEMOG TRAIL  
MI  
SAMPLED BY: PETER KALLIOINEN/GCES  
SAMPLE ID: SB-6 (18')

GTA PROJECT NO: 100819-5  
GTA SAMPLE NO: 127  
DATE SAMPLED: 10/7/2019  
TIME SAMPLED: 12:42 PM  
DATE RECEIVED: 10/8/2019  
TIME RECEIVED: 9:30 AM  
SAMPLE MATRIX: SOIL

**METALS**

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC SPLP EPA 1312/6020A	0.0076	0.0010	mg/L (PPM)	MR	10/30/2019	1312/3005A

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

**Subject:** Skegemog Trail Project

**From:** "Don Conway, C.P.G., P.G., M.B.A." <dgconway@goslingczubak.com>

**Date:** 10/23/2019, 12:01 PM

**To:** "kirk@gtanalytical.com" <kirk@gtanalytical.com>

Kirk,

Please provide a cost to conduct leachate extraction via SPLP on the listed samples and then analyze the leachate for the listed parameters.

Sample ID	Analysis
SB-1 (0.5')	Mercury, Silver
SB-6 (18')	Arsenic
SB-7 (2.5')	Mercury, Selenium

-- 1008819-S-1  
--- 100834-S-27  
--- 100819-S-7

Please contact me with any questions

Donald G. Conway, C.P.G., P.G., M.B.A. | Sr. Project Manager  
**Gosling Czubak Engineering Sciences, Inc.**

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[Connect with us on LinkedIn!](#)

**CHAIN OF CUSTODY**

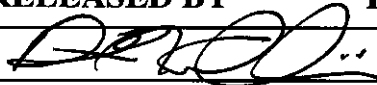
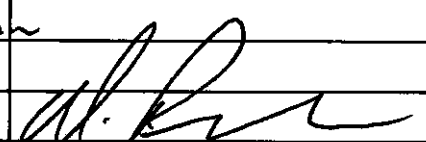
PROJECT NUMBER <b>2018316003.04</b>	SITE NAME/ADDRESS <b>Skegemog Trail</b>	COMPANY/NAME <b>GTLC</b>
SAMPLED BY <b>Peter Kallioinen</b>	COMPANY <b>Gosling Czubak Eng.</b>	GTA PROJECT # <b>100819-5</b>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	SB-1 (0.5')	10-7-19	11:00	Soil	RCRA 8 Metals PNA's
2	SB-2 (1')		11:15		
3	SB-3 (1')		11:24		
4	SB-4 (1')		11:32		
5	SB-5 (2')		12:09		
6	SB-6 (2.5')		12:30		
7	SB-7 (2.5')		12:52		
8	SB-8 (1')		1:09		
9	SB-9 (1')		1:24		
10	SB-10 (0.5')		2:22		
11	SB-1 (3')		11:03		
12	SB-1 (6')		11:08		
13	SB-2 (4')		11:17		Rec
14	SB-2 (6.5')		11:20		2.2'
15	SB-3 (4')	↓	11:27	↓	↓

**BILL TO:** Gosling Czubak Eng.  
ATTN: Don Conway

**REPORT TO:** Same  
CC: Pete Kallioinen

RELEASED BY 	DATE/TIME 10-8-19 9:30am	RECEIVED BY 	DATE/TIME 10-8-19 9:30A
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS

**CHAIN OF CUSTODY**



PROJECT NUMBER 2018316003.04	SITE NAME/ADDRESS Skegemog Trail	COMPANY/NAME GTLC
SAMPLED BY Peter Kallioinen	COMPANY Gosling Czubak Eng.	GTA PROJECT # 100819-5

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	SB-3 (7')	10-7-19	11:29	Soil	RCRA 8 Metals
17	SB-4 (4')		11:37		
18	SB-4 (7')		11:39		
19	SB-4 (12')		11:43		
20	SB-4 (17')		11:49		
21	SB-5 (0.5')		12:07		
22	SB-5 (7')		12:14		
23	SB-5 (13')		12:17		
24	SB-5 (17')		12:22		
25	SB-6 (7')		12:33		
26	SB-6 (12')		12:38		
27	SB-6 (18')		12:42		
28	SB-7 (0.5')		12:50		
29	SB-7 (6')		12:57		
30	SB-7 (9.5')		1:00		

BILL TO: Gosling Czubak Eng.  
ATTN: Don Conway

REPORT TO: Same  
CC: Pete Kallioinen

RELEASED BY 	DATE/TIME 10-8-19 9:30 am	RECEIVED BY 	DATE/TIME 10-8-19 9:30 am
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REQUESTED TAT  STANDARD  1 BUSINESS DAY  2 BUSINESS DAYS  3 BUSINESS DAYS

