

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: GRT
Name:
ClientProj: DOT9601
GTA ProjNo: 120821-4

Site Addr: LANSING C&T
LANSING
Sampled By: ELMER VAN WAGNER/GRT
Date Rec: 12/8/2021
Time Rec: 11:32 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-1	12/7/2021	12:17 PM	WATER
2	RW-4	12/7/2021	12:24 PM	WATER
3	EFFLUENT	12/7/2021	12:32 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: GRT
PROJECT NO: DOT9601
LOCATION: LANSING C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT
SAMPLE MATRIX: WATER

GTA PROJECT NO: 120821-4
GTA SAMPLE NO: 1
DATE SAMPLED: 12/7/2021
TIME SAMPLED: 12:17 PM
DATE RECEIVED: 12/8/2021
TIME RECEIVED: 11:32 AM
SAMPLE ID: RW-1

EPA 624 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>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		12/9/2021	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	190	10					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	160	10					
Vinyl Chloride	15	1.0					

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

COMPANY: GRT
PROJECT NO: DOT9601
LOCATION: LANSING C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT
SAMPLE MATRIX: WATER

GTA PROJECT NO: 120821-4
GTA SAMPLE NO: 2
DATE SAMPLED: 12/7/2021
TIME SAMPLED: 12:24 PM
DATE RECEIVED: 12/8/2021
TIME RECEIVED: 11:32 AM
SAMPLE ID: RW-4

EPA 624 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>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		12/9/2021	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	4.9	1.0					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	1,300	25					
Vinyl Chloride	ND	1.0					

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COMPANY: GRT
PROJECT NO: DOT9601
LOCATION: LANSING C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT
SAMPLE MATRIX: WATER

GTA PROJECT NO: 120821-4
GTA SAMPLE NO: 3
DATE SAMPLED: 12/7/2021
TIME SAMPLED: 12:32 PM
DATE RECEIVED: 12/8/2021
TIME RECEIVED: 11:32 AM
SAMPLE ID: EFFLUENT

EPA 624 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>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		12/9/2021	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	ND	1.0					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	ND	1.0					
Vinyl Chloride	ND	1.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: GRT
PROJECT NO: DOT9601
LOCATION: LANSING C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT

GTA PROJECT NO: 120821-4
GTA SAMPLE NO: 1
DATE SAMPLED: 12/7/2021
TIME SAMPLED: 12:17 PM
DATE RECEIVED: 12/8/2021
TIME RECEIVED: 11:32 AM

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: RW-1						
	CHLORIDE EPA 300.0	1,800	100	mg/L (PPM)	TR	12/9/2021	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	3,500	5.0	mg/L (PPM)	TR	12/14/2021	WATER

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

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COMPANY: GRT
PROJECT NO: DOT9601
LOCATION: LANSING C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT

GTA PROJECT NO: 120821-4
GTA SAMPLE NO: 2
DATE SAMPLED: 12/7/2021
TIME SAMPLED: 12:24 PM
DATE RECEIVED: 12/8/2021
TIME RECEIVED: 11:32 AM

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: RW-4						
	CHLORIDE EPA 300.0	1,300	50	mg/L (PPM)	TR	12/9/2021	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	2,600	5.0	mg/L (PPM)	TR	12/14/2021	WATER

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

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COMPANY: GRT
PROJECT NO: DOT9601
LOCATION: LANSING C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT

GTA PROJECT NO: 120821-4
GTA SAMPLE NO: 3
DATE SAMPLED: 12/7/2021
TIME SAMPLED: 12:32 PM
DATE RECEIVED: 12/8/2021
TIME RECEIVED: 11:32 AM

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: EFFLUENT						
	CHLORIDE EPA 300.0	1,800	100	mg/L (PPM)	TR	12/9/2021	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	3,500	5.0	mg/L (PPM)	TR	12/14/2021	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 DOT 9601	SITE NAME/ADDRESS Lansing CT	COMPANY/NAME MDOT
SAMPLED BY Elmer VanWegne		COMPANY GRT
		GTA PROJECT # 120821-4

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	RW-1	12/7/2021	1217	water	CVOC, chlorides, TDS
	RW-4	12/7/2021	1224	water	CVOC, chlorides, TDS
	Effluent	12/7/2021	1232	water	CVOC, chlorides, TDS

BILL TO: richard@grtusa.com	TempRec: ☐ 1.70C	On Ice? ☒ ☐	REPORT TO: richard@grtusa.com
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RELEASED BY GP	DATE/TIME 12/7/2021 1340	RECEIVED BY [Signature]	DATE/TIME 12/8/21 11:32

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