



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: 020420-7

Site Addr: MDOT C&T
LANSING
Sampled By: ELMER VAN WAGNER/GRT
Date Rec: 2/4/2020
Time Rec: 12:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-1	2/3/2020	1:47 PM	WATER
2	RW-4	2/3/2020	1:55 PM	WATER
3	EFFLUENT	2/3/2020	2:00 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: GRT
PROJECT NO: DOT9601
LOCATION: MDOT C&T
LANSING
MI
SAMPLED BY: ELMER VAN WAGNER/GRT
SAMPLE MATRIX: WATER

GTA PROJECT NO: 020420-7
GTA SAMPLE NO: 1
DATE SAMPLED: 2/3/2020
TIME SAMPLED: 1:47 PM
DATE RECEIVED: 2/4/2020
TIME RECEIVED: 12:30 PM
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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		2/4/2020	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	100	10					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	200	10					
Vinyl Chloride	16	1.0					

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

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

GTA PROJECT NO: 020420-7
GTA SAMPLE NO: 2
DATE SAMPLED: 2/3/2020
TIME SAMPLED: 1:55 PM
DATE RECEIVED: 2/4/2020
TIME RECEIVED: 12:30 PM
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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		2/4/2020	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	3.5	1.0					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	950	10					
Vinyl Chloride	ND	1.0					

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

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

GTA PROJECT NO: 020420-7
GTA SAMPLE NO: 3
DATE SAMPLED: 2/3/2020
TIME SAMPLED: 2:00 PM
DATE RECEIVED: 2/4/2020
TIME RECEIVED: 12:30 PM
SAMPLE ID: EFFLUENT

EPA 624 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>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		2/4/2020	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
ND = NOT DETECTED, RESULTS < LOD
LOD = LIMIT OF DETECTION



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COMPANY:	GRT	GTA PROJECT NO:	020420-7
PROJECT NO:	DOT9601	GTA SAMPLE NO:	1
LOCATION:	MDOT C&T	DATE RECEIVED:	2/4/2020
	LANSING	TIME RECEIVED:	12:30 PM
	MI	DATE SAMPLED:	2/3/2020
SAMPLED BY:	ELMER VAN WAGNER/GRT	TIME SAMPLED:	1:47 PM
SAMPLE ID:	RW-1	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
CHLORIDE EPA 300.0	1,500	50	mg/L (PPM)	LV	2/6/2020
TOTAL DISSOLVED SOLIDS EPA 160.1	2,700	5.0	mg/L (PPM)	TR	2/10/2020

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	GTA PROJECT NO:	020420-7
PROJECT NO:	DOT9601	GTA SAMPLE NO:	2
LOCATION:	MDOT C&T	DATE RECEIVED:	2/4/2020
	LANSING	TIME RECEIVED:	12:30 PM
	MI	DATE SAMPLED:	2/3/2020
		TIME SAMPLED:	1:55 PM
SAMPLED BY:	ELMER VAN WAGNER/GRT	SAMPLE MATRIX:	WATER
SAMPLE ID:	RW-4		

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
CHLORIDE EPA 300.0	1,100	50	mg/L (PPM)	LV	2/6/2020
TOTAL DISSOLVED SOLIDS EPA 160.1	2,400	5.0	mg/L (PPM)	TR	2/10/2020

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	GTA PROJECT NO:	020420-7
PROJECT NO:	DOT9601	GTA SAMPLE NO:	3
LOCATION:	MDOT C&T	DATE RECEIVED:	2/4/2020
	LANSING	TIME RECEIVED:	12:30 PM
	MI	DATE SAMPLED:	2/3/2020
SAMPLED BY:	ELMER VAN WAGNER/GRT	TIME SAMPLED:	2:00 PM
SAMPLE ID:	EFFLUENT	SAMPLE MATRIX:	WATER

SAMPLE ANALYSIS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
CHLORIDE EPA 300.0	1,400	50	mg/L (PPM)	LV	2/6/2020
TOTAL DISSOLVED SOLIDS EPA 160.1	2,700	5.0	mg/L (PPM)	TR	2/10/2020

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 C+T	COMPANY/NAME MDOT
SAMPLED BY Elmer Van Wagner	COMPANY GRT	GTA PROJECT # 020420-7

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	RW-1	2/3/2020	1347	water	CVOC, chlorides / TDS
	RW-4	2/3/2020	1355	water	CVOC, chlorides / TDS
	effluent	2/3/2020	1400	water	CVOC, chlorides / TDS

BILL TO:

richard@grtusa.com

REPORT TO:

richard@grtusa.com

RELEASED BY [Signature]	DATE/TIME 2/3/2020 1500	RECEIVED BY [Signature]	DATE/TIME 2/4/20 1230 ver 4.0°C

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