



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: 060220-3

Site Addr: MDOT C&T

Sampled By: ELMER VAN WAGNER/GRT
Date Rec: 6/2/2020
Time Rec: 1:00 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	RW-1	6/1/2020	2:25 PM	WATER
2	RW-4	6/1/2020	2:33 PM	WATER
3	EFFLUENT	6/1/2020	2:38 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

MI
SAMPLED BY: ELMER VAN WAGNER/GRT

SAMPLE MATRIX: WATER

GTA PROJECT NO: 060220-3
GTA SAMPLE NO: 1

DATE SAMPLED: 6/1/2020
TIME SAMPLED: 2:25 PM
DATE RECEIVED: 6/2/2020
TIME RECEIVED: 1:00 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 Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
1,1-Dichloroethane	ND	1.0	ug/L (PPB)	MR		6/4/2020	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	68	10					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	270	10					
Vinyl Chloride	6.9	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

MI
SAMPLED BY: ELMER VAN WAGNER/GRT

SAMPLE MATRIX: WATER

GTA PROJECT NO: 060220-3
GTA SAMPLE NO: 2

DATE SAMPLED: 6/1/2020
TIME SAMPLED: 2:33 PM
DATE RECEIVED: 6/2/2020
TIME RECEIVED: 1:00 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		6/4/2020	EPA 5030B
1,1-Dichloroethene	ND	1.0					
cis-1,2-Dichloroethene	2.5	1.0					
trans-1,2-Dichloroethene	ND	1.0					
Methyl Isobutyl Ketone	ND	10					
Tetrachloroethene	ND	1.0					
Trichloroethene	730	25					
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

MI
SAMPLED BY: ELMER VAN WAGNER/GRT

SAMPLE MATRIX: WATER

GTA PROJECT NO: 060220-3
GTA SAMPLE NO: 3

DATE SAMPLED: 6/1/2020
TIME SAMPLED: 2:38 PM
DATE RECEIVED: 6/2/2020
TIME RECEIVED: 1:00 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		6/4/2020	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
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LOD = LIMIT OF DETECTION

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COMPANY: GRT
PROJECT NO: DOT9601
LOCATION: MDOT C&T

GTA PROJECT NO: 060220-3
GTA SAMPLE NO: 1

DATE SAMPLED: 6/1/2020
TIME SAMPLED: 2:25 PM

DATE RECEIVED: 6/2/2020
TIME RECEIVED: 1:00 PM

MI
SAMPLED BY: ELMER VAN WAGNER/GRT

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	1,200	50	mg/L (PPM)	LV	6/4/2020	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	3,200	5.0	mg/L (PPM)	TR	6/4/2020	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: MDOT C&T

GTA PROJECT NO: 060220-3
GTA SAMPLE NO: 2

DATE SAMPLED: 6/1/2020
TIME SAMPLED: 2:33 PM

DATE RECEIVED: 6/2/2020
TIME RECEIVED: 1:00 PM

MI
SAMPLED BY: ELMER VAN WAGNER/GRT

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	1,100	50	mg/L (PPM)	LV	6/4/2020	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	3,200	5.0	mg/L (PPM)	TR	6/4/2020	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: MDOT C&T
MI
SAMPLED BY: ELMER VAN WAGNER/GRT

GTA PROJECT NO: 060220-3
GTA SAMPLE NO: 3
DATE SAMPLED: 6/1/2020
TIME SAMPLED: 2:38 PM
DATE RECEIVED: 6/2/2020
TIME RECEIVED: 1:00 PM

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	1,200	50	mg/L (PPM)	LV	6/4/2020	WATER
	TOTAL DISSOLVED SOLIDS EPA 160.1	3,300	5.0	mg/L (PPM)	TR	6/4/2020	WATER

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

CHAIN OF CUSTODY

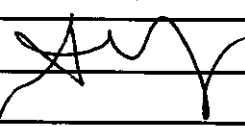
PROJECT NUMBER DOT 9601	SITE NAME/ADDRESS Lansing C+T	COMPANY/NAME MDOT
SAMPLED BY Elmer VanWagner	COMPANY GRT	GTA PROJECT # 06020 060220-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	RW-1	6/1/2020	14:25	water	CVOC, chlorides / TDS
	RW-4	6/1/2020	14:33	water	CVOC, chlorides / TDS
	effluent	6/1/2020	14:38	water	CVOC, chlorides / TDS

BILL TO:
richard@grtusa.com

REPORT TO:
richard@grtusa.com

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
	6/1/2020 15:00		6/2/20 1:00p ree GRT

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