



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: HRF
Name:
ClientProj: 13.052
GTA ProjNo: 032825-1

Site Addr: S. RUST 10C
Sampled By: KWB/HURON
Date Rec: 3/28/2025
Time Rec: 12:15 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW/OW-1	3/27/2025		WATER
2	MW-2	3/27/2025		WATER
3	MW-3	3/27/2025		WATER
4	MW-4	3/27/2025		WATER
5	MW-5	3/27/2025		WATER
6	MW-6	3/27/2025		WATER
7	MW-7	3/27/2025		WATER
8	MW-8	3/27/2025		WATER
9	TW-1	3/27/2025		WATER
10	TW-2	3/27/2025		WATER
11	TW-3	3/27/2025		WATER
12	TW-4	3/27/2025		WATER
13	TW-5	3/27/2025		WATER
14	TW-6	3/27/2025		WATER
15	TW-7	3/27/2025		WATER
16	TW-8	3/27/2025		WATER
17	TW-9	3/27/2025		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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Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 1
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

MI
 SAMPLED BY: KWB/HURON

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/OW-1 CHLORIDE EPA 300.0	21	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C
 MI
 SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 2
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 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: MW-2 CHLORIDE EPA 300.0	140	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 3
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

MI
 SAMPLED BY: KWB/HURON

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	12	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 4
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

SAMPLED BY: MI
 KWB/HURON

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-4 CHLORIDE EPA 300.0	39	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
PROJECT NO: 13.052
LOCATION: S. RUST 10C
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
GTA SAMPLE NO: 5
DATE SAMPLED: 3/27/2025
TIME SAMPLED:
DATE RECEIVED: 3/28/2025
TIME RECEIVED: 12:15 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: MW-5 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
PROJECT NO: 13.052
LOCATION: S. RUST 10C
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
GTA SAMPLE NO: 6
DATE SAMPLED: 3/27/2025
TIME SAMPLED:
DATE RECEIVED: 3/28/2025
TIME RECEIVED: 12:15 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: MW-6 CHLORIDE EPA 300.0	14	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C
 MI
 SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 7
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 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: MW-7 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 8
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

SAMPLED BY: MI
 KWB/HURON

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 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 9
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

SAMPLED BY: MI
 KWB/HURON

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: TW-1	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 10
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

SAMPLED BY: MI
 KWB/HURON

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: TW-2 CHLORIDE EPA 300.0	14	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C
 MI
 SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 11
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 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: TW-3 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 12
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

SAMPLED BY: MI
 KWB/HURON

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: TW-4 CHLORIDE EPA 300.0	14	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 13
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

MI
 SAMPLED BY: KWB/HURON

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: TW-5 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C
 MI
 SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 14
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 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: TW-6 CHLORIDE EPA 300.0	13	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
PROJECT NO: 13.052
LOCATION: S. RUST 10C
MI
SAMPLED BY: KWB/HURON

GTA PROJECT NO: 032825-1
GTA SAMPLE NO: 15
DATE SAMPLED: 3/27/2025
TIME SAMPLED:
DATE RECEIVED: 3/28/2025
TIME RECEIVED: 12:15 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: TW-7 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 16
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

MI
 SAMPLED BY: KWB/HURON

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: TW-8 CHLORIDE EPA 300.0	16	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

COMPANY: HRF
 PROJECT NO: 13.052
 LOCATION: S. RUST 10C

GTA PROJECT NO: 032825-1
 GTA SAMPLE NO: 17
 DATE SAMPLED: 3/27/2025
 TIME SAMPLED:
 DATE RECEIVED: 3/28/2025
 TIME RECEIVED: 12:15 PM

SAMPLED BY: MI
 KWB/HURON

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: TW-9 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	4/9/2025	WATER

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

1/4 14 Groundwater Monitoring - Spring 22 TB Release

CHAIN OF CUSTODY

Page 1 of 2

PROJECT NUMBER 13.052	SITE NAME/ADDRESS S. Rust IOC	COMPANY/NAME HRF
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SAMPLED BY Kurt Wallis-Burke	COMPANY Huron Engineering & Surveying	GTA PROJECT # 032825-1
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SAMPLE INFORMATION

Field Cond

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	mS/cm
1	MW/OW 1	03/27/25		GW	Cl-	0.20
2	MW 2	03/27/25		↓	↓	0.97
3	MW 3	03/27/25				0.52
4	MW 4	03/27/25				0.45
5	MW 5	03/27/25				0.27
6	MW 6	03/27/25				0.56
7	MW 7	03/27/25				0.30
8	MW 8	03/27/25				0.87
9	TW 1	03/27/25				0.28
10	TW 2	03/27/25				0.28
11	TW 3	03/27/25				0.30
12	TW 4	03/27/25				0.46
13	TW 5	03/27/25				0.26
14	TW 6	03/27/25				0.37
15	TW 7	03/27/25				0.29

BILL TO: KWB Huron	Temp Rec: <input type="checkbox"/> N/A	On Ice? <input type="checkbox"/> <input checked="" type="checkbox"/>	REPORT TO: KWB Huron
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RELEASED BY <i>[Signature]</i>	DATE/TIME 03/27/25	RECEIVED BY UPS Alpena <i>[Signature]</i>	DATE/TIME 03/27/25 17:10 3/28/25-12:15
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS

