



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: HRF EXPLORATION & PRODUCTION
Name:
ClientProj: 13.052
GTA ProjNo: 120424-6

Site Addr: S. RUST 10C
Sampled By: KWB/HURON
Date Rec: 12/4/2024
Time Rec: 11:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-3	12/3/2024		WATER
2	MW-4	12/3/2024		WATER
3	MW-5	12/3/2024		WATER
4	MW-6	12/3/2024		WATER
5	MW-7	12/3/2024		WATER
6	MW-8	12/3/2024		WATER
7	TW-2	12/3/2024		WATER
8	TW-4	12/3/2024		WATER
9	TW-6	12/3/2024		WATER
10	TW-7	12/3/2024		WATER
11	TW-8	12/3/2024		WATER

ELECTRONIC SIGNITURE 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
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kirk@gtanalytical.com

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 1
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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-3 CHLORIDE EPA 300.0	40	10	mg/L (PPM)	KC/TR	12/10/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 2
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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	87	10	mg/L (PPM)	KC/TR	12/10/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 3
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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-5 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	12/10/2024	WATER

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 s.u. = STANDARD pH UNITS REPORTED AT 25 C

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 4
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 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: MW-6 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	12/10/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 5
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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-7 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	12/10/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 6
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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	12/10/2024	WATER

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 7
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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	64	10	mg/L (PPM)	KC/TR	10/11/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 8
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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	20	10	mg/L (PPM)	KC/TR	10/11/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 9
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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-6 CHLORIDE EPA 300.0	33	10	mg/L (PPM)	KC/TR	10/11/2024	WATER

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

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

GTA PROJECT NO: 120424-6
 GTA SAMPLE NO: 10
 DATE SAMPLED: 12/3/2024
 TIME SAMPLED:
 DATE RECEIVED: 12/4/2024
 TIME RECEIVED: 11:50 AM

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-7	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/11/2024	WATER

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



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

GTA PROJECT NO: 120424-6
GTA SAMPLE NO: 11
DATE SAMPLED: 12/3/2024
TIME SAMPLED:
DATE RECEIVED: 12/4/2024
TIME RECEIVED: 11:50 AM

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-8 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	KC/TR	10/11/2024	WATER

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

1/4 14 Groundwater Monitoring - Spring 22 TB Release
CHAIN OF CUSTODY

PROJECT NUMBER 13.052	SITE NAME/ADDRESS S. Rust IOC	COMPANY/NAME HRF
SAMPLED BY Lumberly Walls-Burke		COMPANY Huron Engineering & Surveying
		GTA PROJECT # 120424-6

SAMPLE INFORMATION						Field Cond
#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS	ms/cm
1	MW 3	12/3/24		GW	Cl-	0.61
3	MW 4	}		}	}	0.74
3	MW 5					0.51
4	MW 6					0.58
5	MW 7					0.38
6	MW 8					0.55
7	TW 2					0.79
8	TW 4					0.53
9	TW 6					0.52
10	TW 7					0.36
11	TW 8					0.50

BILL TO: LWB Huron	Temp Rec: <input type="checkbox"/> N/A	On Ice? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	REPORT TO: LWB Huron
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RELEASED BY Lumberly Walls-Burke	DATE/TIME	RECEIVED BY Alpena UPS	DATE/TIME 12/3/24
			12/4/24 11:50

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