

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: HRF ANTRIM LIMITED
Name: PARTNERSHIP/NUENERGY
ClientProj: 2018365001.01

Site Addr: ARROWHEAD TRAIL FLOWLINE RELEASE

GTA ProjNo: 071519-3

Sampled By: MARK STOVER/GCES
Date Rec: 7/15/2019
Time Rec: 9:25 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	7/15/2019	11:30 AM	WATER
2	MW-2	7/15/2019	12:05 PM	WATER
3	MW-3	7/15/2019	1:00 PM	WATER
4	MW-3D	7/15/2019	12:45 PM	WATER
5	MW-4	7/15/2019	1:20 PM	WATER
6	RW-1	7/15/2019	1:40 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 L Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com



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COMPANY: HRF ANTRIM LIMITED
PARTNERSHIP/NUENERGY
PROJECT NO: 2018365001.01
LOCATION: ARROWHEAD TRAIL FLOWLINE RELEASE
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 071519-3
GTA SAMPLE NO: 1
DATE SAMPLED: 7/15/2019
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 7/15/2019
TIME RECEIVED: 9:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-1							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	7/16/2019	WATER

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



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PROJECT NO: 2018365001.01
LOCATION: ARROWHEAD TRAIL FLOWLINE RELEASE

GTA PROJECT NO: 071519-3
GTA SAMPLE NO: 2

DATE SAMPLED: 7/15/2019
TIME SAMPLED: 12:05 PM
DATE RECEIVED: 7/15/2019
TIME RECEIVED: 9:25 AM

MI
SAMPLED BY: MARK STOVER/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
SAMPLE ID: MW-2							
CHLORIDE EPA 300.0		ND	10	mg/L (PPM)	LV	7/16/2019	WATER

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COMPANY: HRF ANTRIM LIMITED
PARTNERSHIP/NUENERGY
PROJECT NO: 2018365001.01
LOCATION: ARROWHEAD TRAIL FLOWLINE RELEASE
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 071519-3
GTA SAMPLE NO: 3
DATE SAMPLED: 7/15/2019
TIME SAMPLED: 1:00 PM
DATE RECEIVED: 7/15/2019
TIME RECEIVED: 9:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-3 CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	7/16/2019	WATER

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COMPANY: HRF ANTRIM LIMITED
PARTNERSHIP/NUENERGY
PROJECT NO: 2018365001.01
LOCATION: ARROWHEAD TRAIL FLOWLINE RELEASE
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 071519-3
GTA SAMPLE NO: 4
DATE SAMPLED: 7/15/2019
TIME SAMPLED: 12:45 PM
DATE RECEIVED: 7/15/2019
TIME RECEIVED: 9:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-3D CHLORIDE EPA 300.0	29	10	mg/L (PPM)	LV	7/16/2019	WATER

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COMPANY: HRF ANTRIM LIMITED
PARTNERSHIP/NUENERGY
PROJECT NO: 2018365001.01
LOCATION: ARROWHEAD TRAIL FLOWLINE RELEASE
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 071519-3
GTA SAMPLE NO: 5
DATE SAMPLED: 7/15/2019
TIME SAMPLED: 1:20 PM
DATE RECEIVED: 7/15/2019
TIME RECEIVED: 9:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	27	10	mg/L (PPM)	LV	7/16/2019	WATER

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COMPANY: HRF ANTRIM LIMITED
PARTNERSHIP/NUENERGY
PROJECT NO: 2018365001.01
LOCATION: ARROWHEAD TRAIL FLOWLINE RELEASE
MI
SAMPLED BY: MARK STOVER/GCES

GTA PROJECT NO: 071519-3
GTA SAMPLE NO: 6
DATE SAMPLED: 7/15/2019
TIME SAMPLED: 1:40 PM
DATE RECEIVED: 7/15/2019
TIME RECEIVED: 9:25 AM

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
	SAMPLE ID: RW-1						
	CHLORIDE EPA 300.0	17	10	mg/L (PPM)	LV	7/16/2019	WATER

ND = NOT DETECTED, RESULT < LOD
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CHAIN OF CUSTODY

PROJECT NUMBER <i>2018365001.01</i>	SITE NAME/ADDRESS <i>ARROWHEAD TRAIL FLOWLINE RELEASE</i>	COMPANY/NAME <i>HRF ANTRAM LIMITED PARTNERSHIP NU ENERGY</i>
SAMPLED BY <i>MARK STOVER</i>	COMPANY <i>G.C.E.S.</i>	GTA PROJECT # <i>071519-3</i>

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	<i>MW-1</i>	<i>7-15-19</i>	<i>11:30</i>	<i>GW</i>	<i>CHLORIDE</i>
2	<i>MW-2</i>	↓	<i>12:05</i>	↓	↓
3	<i>MW-3</i>		<i>13:00</i>		
4	<i>MW-3d</i>		<i>12:45</i>		
5	<i>MW-4</i>		<i>13:26</i>		
6	<i>RW-1</i>		<i>13:40</i>	↓	

BILL TO:

G.C.E.S.

REPORT TO:

REL 5.2 *JEFF SIMSA*

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

[Signature] *7-15-19*

[Signature] *7-15-19 9:25A*

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