



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

[www.gtanalytical.com](http://www.gtanalytical.com)

Company: MARTIN MARIETTA  
Name:  
ClientProj:

Site Addr: LEAK SITE 83

GTA ProjNo: 100824-13

Sampled By: LMH/ECT  
Date Rec: 10/8/2024  
Time Rec: 4:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	VAP-1 @ 50'	10/8/2024		WATER
2	VAP-1 @ 40'	10/8/2024		WATER
3	VAP-1 @ 30'	10/8/2024		WATER
4	VAP-1 @ 20'	10/8/2024		WATER
5	VAP-1 @ 10'	10/8/2024		WATER
6	VAP-2 @ 50'	10/8/2024		WATER
7	VAP-2 @ 40'	10/8/2024		WATER
8	VAP-2 @ 30'	10/8/2024		WATER
9	VAP-2 @ 20'	10/8/2024		WATER
10	VAP-2 @ 10'	10/8/2024		WATER
11	MW-3	10/8/2024		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  
Traverse City, MI 49686  
Ph: 231-929-0905  
Fx: 231-929-0894  
SP: 231-590-0291  
[kirk@gtanalytical.com](mailto:kirk@gtanalytical.com)



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

SAMPLED BY: MI  
LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 1

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: VAP-1 @ 50'

CHLORIDE EPA 300.0

Concentration

LOD

Units

Analyst

Date

Sample

77

10

mg/L (PPM)

TR

10/11/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

MI

SAMPLED BY: LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 2

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: VAP-1 @ 40'

CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
59	10	mg/L (PPM)	TR	10/11/2024	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

SAMPLED BY: MI  
 LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 3

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**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: VAP-1 @ 30' CHLORIDE EPA 300.0	110	10	mg/L (PPM)	TR	10/11/2024	WATER

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

COMPANY: MARTIN MARIETTA  
 PROJECT NO:  
 LOCATION: LEAK SITE 83  
 MI  
 SAMPLED BY: LMH/ECT

GTA PROJECT NO: 100824-13  
 GTA SAMPLE NO: 4  
 DATE SAMPLED: 10/8/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 10/8/2024  
 TIME RECEIVED: 4:40 PM

**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: VAP-1 @ 20' CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	TR	10/11/2024	WATER

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

COMPANY: MARTIN MARIETTA  
 PROJECT NO:  
 LOCATION: LEAK SITE 83  
 MI  
 SAMPLED BY: LMH/ECT

GTA PROJECT NO: 100824-13  
 GTA SAMPLE NO: 5  
 DATE SAMPLED: 10/8/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 10/8/2024  
 TIME RECEIVED: 4:40 PM

**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: VAP-1 @ 10' CHLORIDE EPA 300.0	110	10	mg/L (PPM)	TR	10/11/2024	WATER

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

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

SAMPLED BY: MI  
 LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 6

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: VAP-2 @ 50'  
 CHLORIDE EPA 300.0

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u>	<u>Sample</u>
46	10	mg/L (PPM)	TR	10/11/2024	WATER

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

COMPANY: MARTIN MARIETTA  
 PROJECT NO:  
 LOCATION: LEAK SITE 83  
 MI  
 SAMPLED BY: LMH/ECT

GTA PROJECT NO: 100824-13  
 GTA SAMPLE NO: 7  
 DATE SAMPLED: 10/8/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 10/8/2024  
 TIME RECEIVED: 4:40 PM

**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: VAP-2 @ 40' CHLORIDE EPA 300.0	76	10	mg/L (PPM)	TR	10/11/2024	WATER

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

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

MI

SAMPLED BY: LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 8

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**SAMPLE ANALYSIS**

**No: Analysis**

SAMPLE ID: VAP-2 @ 30'

CHLORIDE EPA 300.0

**Concentration**

**LOD**

**Units**

**Analyst**

**Date**

**Sample**

76

10

mg/L (PPM)

TR

10/11/2024

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

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

COMPANY: MARTIN MARIETTA  
 PROJECT NO:  
 LOCATION: LEAK SITE 83  
 MI  
 SAMPLED BY: LMH/ECT

GTA PROJECT NO: 100824-13  
 GTA SAMPLE NO: 9  
 DATE SAMPLED: 10/8/2024  
 TIME SAMPLED:  
 DATE RECEIVED: 10/8/2024  
 TIME RECEIVED: 4:40 PM

**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: VAP-2 @ 20' CHLORIDE EPA 300.0	98	10	mg/L (PPM)	TR	10/11/2024	WATER

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



**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

SAMPLED BY: MI  
LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 10

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**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: VAP-2 @ 10' CHLORIDE EPA 300.0	36	10	mg/L (PPM)	TR	10/11/2024	WATER

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

COMPANY: MARTIN MARIETTA

PROJECT NO:

LOCATION: LEAK SITE 83

SAMPLED BY: MI  
 LMH/ECT

GTA PROJECT NO: 100824-13

GTA SAMPLE NO: 11

DATE SAMPLED: 10/8/2024

TIME SAMPLED:

DATE RECEIVED: 10/8/2024

TIME RECEIVED: 4:40 PM

**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)	TR	10/11/2024	WATER

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

**CHAIN OF CUSTODY**

PROJECT NUMBER	SITE NAME/ADDRESS <i># Leak Site 83</i>	COMPANY/NAME <i>Martin Marietta</i>
SAMPLED BY <i>ZMH</i>	COMPANY <i>ECT</i>	GTA PROJECT # <i>100824-13</i>

**SAMPLE INFORMATION**

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	VAP-1 @ 50'	10-8-24		WTR	CL
2	VAP-1 @ 40'				
3	VAP-1 @ 30'				
4	VAP-1 @ 20'				
5	VAP-1 @ 10'				
6	VAP-2 @ 50'				
7	VAP-2 @ 40'				
8	VAP-2 @ 30'				
9	VAP-2 @ 20'				
10	VAP-2 @ 10'				
11	MW-3				

BILL TO: <i>ECT</i>	TempRec: <input type="checkbox"/>	On Ice? <input type="checkbox"/> <input type="checkbox"/>	REPORT TO: <i>Lisa</i>
------------------------	-----------------------------------	---	---------------------------

RELEASED BY <i>Lisa H. Jones</i>	DATE/TIME <i>10-8-24 4:40pm</i>	RECEIVED BY <i>AA</i>	DATE/TIME <i>10/8/24 4:40</i>
-------------------------------------	--	--------------------------	----------------------------------

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