

DIVISION OF WATER RESOURCES LABORATORY CERTIFICATION BRANCH

In accordance with the provisions of N.C.G.S. 143-215.3 (a) (1), 143-215.3 (a)(10) and NCAC 2H.0800:



2025

Katahdin Analytical Services LLC

Is hereby certified to perform environmental analysis as listed on the Laboratory's Certified Parameter List and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, soil and pretreatment regulations.

By reference 15A NCAC 2H .0800 is made a part of this certificate.

This certificate does not guarantee validity of data generated, but indicates the methodology, equipment, quality control procedures, records, and proficiency of the laboratory have been examined and found to be acceptable.

12/31/2025

Certificate No. 341


Todd Crawford

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: Katahdin Analytical Services LLC
 Address: 600 Technology Way
 Scarborough, ME 04074

Certificate Number: 341
 Effective Date: 1/1/2025
 Expiration Date: 12/31/2025
 Date of Last Amendment: 12/31/2024

The above named laboratory, having duly met the requirements of 15A NCAC 2H.0800, is hereby certified for the measurement of the parameters listed below.

CERTIFIED PARAMETERS

INORGANIC	EPA 1664 Rev. B (Aqueous)
ALKALINITY	ORGANIC CARBON, TOTAL
SM 2320 B-2021 (Aqueous)	SM 5310 B-2014 (Aqueous)
BOD	pH
SM 5210 B-2016 (Aqueous)	SM 4500-HH-B-2021 (Aqueous)
CHLORIDE	PHOSPHATE, ORTHO
SM 4500-Cl ⁻ E-2021 (Aqueous)	SM 4500-P E-2021 (Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	PHOSPHORUS, TOTAL
SW-846 9056 A (Aqueous)	EPA 365.4, 1974 (Aqueous)
COD	RESIDUE, DISSOLVED 180 C
EPA 410.4, Rev. 2.0, 1993 (Aqueous)	SM 2540 C-2020 (Aqueous)
CYANIDE	RESIDUE, SUSPENDED
EPA 335.4, Rev. 1.0, 1993 (Total) (Aqueous)	SM 2540 D-2020 (Aqueous)
FLUORIDE	RESIDUE, TOTAL
SM 4500-F ⁻ C-2021 (Aqueous)	SM 2540 B-2020 (Aqueous)
HARDNESS TOTAL - METALS	SULFATE
SM 2340 B-2021 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994) (Aqueous)	EPA 300.0, Rev. 2.1, 1993 (Aqueous)
INORGANIC PHENOLS	SW-846 9056 A (Aqueous)
EPA 420.1, Rev. 1978 (Aqueous)	SW-846 9056 A (Non-Aqueous)
NITROGEN, AMMONIA	ASTM D 516-16 (Aqueous)
EPA 350.1, Rev. 2.0, 1993 (Aqueous)	TURBIDITY
NITROGEN, NITRATE	EPA 180.1, Rev. 2.0, 1993 (Aqueous)
(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) - (NO2 EPA 353.2, Rev. 2.0, 1993) (Aqueous)	METAL
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	ALUMINUM
SW-846 9056 A (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
NITROGEN, NITRITE	SW-846 6010 D (Aqueous)
EPA 353.2, Rev. 2.0, 1993 (Aqueous)	SW-846 6010 D (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	SW-846 6020 B (Aqueous)
SW-846 9056 A (Aqueous)	SW-846 6020 B (Non-Aqueous)
NITROGEN, NO3 + NO2	ANTIMONY
EPA 353.2, Rev. 2.0, 1993 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
NITROGEN, TOTAL KJELDAHL	SW-846 6010 D (Aqueous)
EPA 351.2, Rev. 2.0, 1993 (Aqueous)	SW-846 6010 D (Non-Aqueous)
OIL & GREASE	EPA 200.8, Rev. 5.4, 1994 (Aqueous)

This certification requires maintenance of an acceptable quality assurance program, use of approved methodology, and satisfactory performance on evaluation samples. Laboratories are subject to civil penalties and/or decertification for infractions as set forth in 15A NCAC 2H.0807.

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CERTIFIED PARAMETERS

- | | |
|-------------------------------------|-------------------------------------|
| SW-846 6020 B (Aqueous) | SW-846 6020 B (Aqueous) |
| SW-846 6020 B (Non-Aqueous) | SW-846 6020 B (Non-Aqueous) |
| ARSENIC | CHROMIUM TOTAL |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | EPA 200.7, Rev. 4.4, 1994 (Aqueous) |
| SW-846 6010 D (Aqueous) | SW-846 6010 D (Aqueous) |
| SW-846 6010 D (Non-Aqueous) | SW-846 6010 D (Non-Aqueous) |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | EPA 200.8, Rev. 5.4, 1994 (Aqueous) |
| SW-846 6020 B (Aqueous) | SW-846 6020 B (Aqueous) |
| SW-846 6020 B (Non-Aqueous) | SW-846 6020 B (Non-Aqueous) |
| BARLIUM | COBALT |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 6010 D (Aqueous) |
| SW-846 6010 D (Aqueous) | SW-846 6010 D (Non-Aqueous) |
| SW-846 6010 D (Non-Aqueous) | SW-846 6020 B (Aqueous) |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | SW-846 6020 B (Non-Aqueous) |
| SW-846 6020 B (Aqueous) | COPPER |
| SW-846 6020 B (Non-Aqueous) | EPA 200.7, Rev. 4.4, 1994 (Aqueous) |
| BERYLLIUM | SW-846 6010 D (Aqueous) |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 6010 D (Non-Aqueous) |
| SW-846 6010 D (Aqueous) | EPA 200.8, Rev. 5.4, 1994 (Aqueous) |
| SW-846 6010 D (Non-Aqueous) | SW-846 6020 B (Aqueous) |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | SW-846 6020 B (Non-Aqueous) |
| SW-846 6020 B (Aqueous) | IRON |
| SW-846 6020 B (Non-Aqueous) | EPA 200.7, Rev. 4.4, 1994 (Aqueous) |
| CADMIUM | SW-846 6010 D (Aqueous) |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | SW-846 6010 D (Non-Aqueous) |
| SW-846 6010 D (Aqueous) | SW-846 6020 B (Aqueous) |
| SW-846 6010 D (Non-Aqueous) | SW-846 6020 B (Non-Aqueous) |
| EPA 200.8, Rev. 5.4, 1994 (Aqueous) | LEAD |
| SW-846 6020 B (Aqueous) | EPA 200.7, Rev. 4.4, 1994 (Aqueous) |
| SW-846 6020 B (Non-Aqueous) | SW-846 6010 D (Aqueous) |
| CALCIUM | SW-846 6010 D (Non-Aqueous) |
| EPA 200.7, Rev. 4.4, 1994 (Aqueous) | EPA 200.8, Rev. 5.4, 1994 (Aqueous) |
| SW-846 6010 D (Aqueous) | SW-846 6020 B (Aqueous) |
| SW-846 6010 D (Non-Aqueous) | SW-846 6020 B (Non-Aqueous) |

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MAGNESIUM
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
MANGANESE
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
MERCURY
 EPA 245.1, Rev. 3.0, 1994 (Aqueous)
 SW-846 7470 A (Aqueous)
 SW-846 7471 B (Non-Aqueous)
 EPA 1631 E (Aqueous)
MOLYBDENUM
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
NICKEL
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
SELENIUM
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)

SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
SILVER
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
THALLIUM
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
TIN
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
VANADIUM
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)
 SW-846 6010 D (Non-Aqueous)
 EPA 200.8, Rev. 5.4, 1994 (Aqueous)
 SW-846 6020 B (Aqueous)
 SW-846 6020 B (Non-Aqueous)
ZINC
 EPA 200.7, Rev. 4.4, 1994 (Aqueous)
 SW-846 6010 D (Aqueous)

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CERTIFIED PARAMETERS

- SW-846 6010 D (Non-Aqueous)
- EPA 200.8, Rev. 5.4, 1994 (Aqueous)
- SW-846 6020 B (Aqueous)
- SW-846 6020 B (Non-Aqueous)
- ORGANIC**
- 1,2-DIBROMOETHANE (EDB)
- SW-846 8011 (Includes DBCP) (Aqueous)
- BASE NEUTRAL/ACID, ORGANICS
- SW-846 8270 E (Aqueous)
- SW-846 8270 E (Non-Aqueous)
- CHLORINATED ACID HERBICIDES
- SW-846 8151 A (Aqueous)
- SW-846 8151 A (Non-Aqueous)
- EXTRACTABLE PETROLEUM HYDROCARBONS
- MADEP, December 2019, Rev. 2.1 (Aqueous)
- MADEP, December 2019, Rev. 2.1 (Non-Aqueous)
- NITROAROMATICS & NITRAMINES
- SW-846 8330 A (Aqueous)
- SW-846 8330 A (Non-Aqueous)
- NONHALOGENATED VOLATILE, ORGANICS
- SW-846 8015 C (Aqueous)
- SW-846 8015 C (Non-Aqueous)
- PESTICIDES, ORGANOCHLORINE
- SW-846 8081 B (Aqueous)
- SW-846 8081 B (Non-Aqueous)
- POLYCHLORINATED BIPHENYLS (PCBs)
- SW-846 8082 A (Aqueous)
- SW-846 8082 A (Non-Aqueous)
- PURGEABLE, ORGANICS
- SW-846 8260 D (Aqueous)
- SW-846 8260 D (Non-Aqueous)
- TPH DIESEL RANGE, ORGANICS
- SW-846 8015 C (Aqueous)
- SW-846 8015 C (Non-Aqueous)
- TPH GASOLINE RANGE, ORGANICS
- SW-846 8015 C (Aqueous)
- SW-846 8015 C (Non-Aqueous)
- VOLATILE PETROLEUM HYDROCARBONS
- MADEP, Feb 2018, Rev. 2.1 (Aqueous)
- MADEP, Feb 2018, Rev. 2.1 (Non-Aqueous)

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