

STATE OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY

**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**

**Waypoint Analytical LLC**

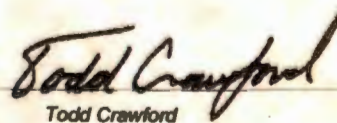
*Is hereby certified to perform environmental analysis as listed on the Laboratory's Certified Parameter List and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, soil and pretreatment regulations.*

*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. 415**

  
Todd Crawford

# North Carolina Wastewater/Groundwater Laboratory Certification

## Certified Parameters Listing

Lab Name: Waypoint Analytical LLC  
Address: 2790 Whitten Road  
Memphis, TN 38133-

Certificate Number: 415  
Effective Date: 1/1/2025  
Expiration Date: 12/31/2025  
Date of Last Amendment: 8/13/2025

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

#### INORGANICS

##### ACIDITY

SM 2310 B-2020 (Aqueous)

##### ALKALINITY

SM 2320 B-2021 (Aqueous)

##### BOD

SM 5210 B-2016 (Aqueous)

##### BROMIDE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

##### CBOD

SM 5210 B-2016 (Aqueous)

##### CHLORIDE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

##### COD

SM 5220 D-2011 (Aqueous)

##### COLOR - PC

SM 2120 B-2021 (PtCo) (Aqueous)

##### CONDUCTIVITY

SM 2510 B-2021 (Aqueous)

##### CYANIDE

SW-846 9014 (Total) (Colorimetric) (Aqueous)

SW-846 9014 (Total) (Colorimetric) (Non-Aqueous)

SM 4500-CN<sup>-</sup> E-2021 (Total) (Aqueous)

SM 4500-CN<sup>-</sup> G-2021 (SM 4500-CN<sup>-</sup> E-2021) (Available) (Aqueous)

##### FLASH POINT

SW-846 1010 B (D93-80) (Aqueous)

##### FLUORIDE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

#### INORGANIC PHENOLS

EPA 420.1, Rev. 1978 (Aqueous)

SW-846 9065 (Aqueous)

#### MBAS

SM 5540 C-2021 (Aqueous)

#### NITROGEN - AMMONIA

SM 4500-NH<sub>3</sub> D-2021 (Aqueous)

#### NITROGEN - NITRATE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

#### NITROGEN - NITRITE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

#### NITROGEN - NO<sub>3</sub> + NO<sub>2</sub>

SM 4500-NO<sub>3</sub><sup>-</sup> F-2019 (Aqueous)

SM 4500-NO<sub>3</sub><sup>-</sup> I-2019 (Aqueous)

#### NITROGEN - TOTAL KJELDAHL

SM 4500-NH<sub>3</sub> C-2021 (SM 4500-Norg B-2021) (Aqueous)

SM 4500-NH<sub>3</sub> C-2021 (SM 4500-Norg B-2021) (Non-Aqueous)

SM 4500-Norg D-2021 (Aqueous)

#### OIL & GREASE

EPA 1664 Rev. B (Aqueous)

SW-846 9071 B (Non-Aqueous)

#### ORGANIC CARBON - TOTAL

SM 5310 C-2014 (Aqueous)

SW-846 9060 A (Aqueous)

#### PAINT FILTER LIQUIDS

SW-846 9095B (Aqueous)

SW-846 9095B (Non-Aqueous)

#### pH

SM 4500-H+B-2021 (Aqueous)

SW-846 9040 C (Aqueous)



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**CERTIFIED PARAMETERS**

SW-846 9045 D (Non-Aqueous)  
PHOSPHATE - ORTHO  
SM 4500-P E-2021 (Aqueous)  
PHOSPHORUS - TOTAL - INORGANICS  
SM 4500-P E-2021 (Aqueous)  
EPA 365.4, 1974 (Aqueous)  
Mehlich 3 Extraction - SM 4500-P E-2011 - Animal Waste only  
RESIDUE - DISSOLVED 180 C  
SM 2540 C-2020 (Aqueous)  
RESIDUE - SETTLEABLE  
SM 2540 F-2020 (Aqueous)  
RESIDUE - SUSPENDED  
SM 2540 D-2020 (Aqueous)  
RESIDUE - TOTAL  
SM 2540 B-2020 (Aqueous)  
SM 2540 G-2020 (Non-Aqueous)  
RESIDUE - VOLATILE  
SM 2540 G-2020 (Non-Aqueous)  
SULFATE  
EPA 300.0, Rev. 2.1, 1993 (Aqueous)  
SW-846 9056 A (Aqueous)  
SW-846 9056 A (Non-Aqueous)  
SULFIDE  
SW-846 9031 (Non-Aqueous)  
SW-846 9034 (Non-Aqueous)  
TURBIDITY  
SM 2130 B-2020 (Aqueous)  
**METALS**  
**ALUMINUM**  
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)  
ANTIMONY  
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)  
ARSENIC  
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)  
BARIUM  
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)  
BERYLLIUM  
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)  
BORON  
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)

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### CERTIFIED PARAMETERS

SW-846 6020 B (Aqueous)  
CADMIUM  
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)  
CALCIUM  
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)  
CHROMIUM HEXAVALENT  
SM 3500-Cr B-2020 (Aqueous)  
SW-846 7196 A (Aqueous)  
SW-846 7196 A (Non-Aqueous)  
SW-846 7199 (Non-Aqueous)  
CHROMIUM TOTAL  
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)  
COBALT  
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)

COPPER  
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)  
Mehlich 3 Extraction - SW-846 6010 D - Animal Waste only  
HARDNESS TOTAL - METALS - METALS  
SM 2340 B-2021 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994) (Aqueous)  
IRON  
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 (Non-Aqueous)  
LEAD  
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)  
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)  
Mehlich 3 Extraction - SW-846 6010 D - Animal Waste only  
MANGANESE  
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)

#### MERCURY

EPA 245.1, Rev. 3.0, 1994 (Aqueous)  
SW-846 7470 A (Aqueous)  
SW-846 7471 B (Non-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)

#### PHOSPHORUS TOTAL - METALS

EPA 200.7, Rev. 4.4 (1994) (Aqueous)  
SW-846 6010 D (Aqueous)  
SW-846 6010 D (Non-Aqueous)

#### POTASSIUM

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

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)

#### SODIUM

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)

#### STRONTIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)  
SW-846 6010 D (Aqueous)  
SW-846 6010 D (Non-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

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

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)

#### TITANIUM

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)  
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)

Mehlich 3 Extraction - SW-846 6010 D - Animal Waste only

#### ORGANICS

##### BASE NEUTRAL/ACID - ORGANICS

EPA 625.1, Dec 2016 (Aqueous)  
SW-846 8270 E (Aqueous)  
SW-846 8270 E (Non-Aqueous)

##### CHLORINATED ACID HERBICIDES

EPA 615, 1992 (Aqueous)  
SW-846 8151 A (Aqueous)  
SW-846 8151 A (Non-Aqueous)  
EDB & DBCP & TCP  
EPA 504.1, Rev. 1.1, 1995 (Aqueous)  
SW-846 8011 (Does not include TCP) (Aqueous)  
EXTRACTABLE PETROLEUM HYDROCARBONS  
MADEP, December 2019, Rev. 2.1 (Aqueous)  
MADEP, December 2019, Rev. 2.1 (Non-Aqueous)  
NONHALOGENATED VOLATILE - ORGANICS  
SW-846 8015 C (Aqueous)  
SW-846 8015 C (Non-Aqueous)  
PESTICIDES - ORGANOCHLORINE  
EPA 608.3, Dec 2016 (Aqueous)  
SW-846 8081 B (Aqueous)  
SW-846 8081 B (Non-Aqueous)  
POLYCHLORINATED BIPHENYLS (PCBs)  
EPA 608.3, Dec 2016 (Aqueous)  
SW-846 8082 A (Aqueous)  
SW-846 8082 A (Non-Aqueous)  
SW-846 8082 A (Oil)  
POLYNUCLEAR AROMATIC HYDROCARBONS  
SW-846 8270 E (Aqueous)  
PURGEABLE ORGANICS  
EPA 624.1, Dec 2016 (Aqueous)  
SM 6200 B-2020 (Aqueous)  
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)

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VOLATILE PETROLEUM HYDROCARBONS

MADEP, Feb 2018, Rev. 2.1 (Aqueous)

MADEP, Feb 2018, Rev. 2.1 (Non-Aqueous)