

# 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:*



# 2024

## Waypoint Analytical - Charlotte

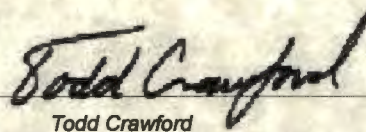
*Is hereby certified to perform environmental analysis as listed on the Laboratory's Certified Parameter List and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, soil and pretreatment regulations.*

*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.*

*This certificate shall be valid until 12/31/2024*

Certificate No. 402

  
Todd Crawford

# North Carolina Wastewater/Groundwater Laboratory Certification

## Certified Parameters Listing

Lab Name: Waypoint Analytical - Charlotte  
Address: 449 Springbrook Road  
Charlotte, NC 28217

Certificate Number: 402  
Effective Date: 1/1/2024  
Expiration Date: 12/31/2024  
Date of Last Amendment: 12/12/2023

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### CERTIFIED PARAMETERS

#### INORGANIC

##### ACIDITY

SM 2310 B-2011 (Aqueous)

##### ALKALINITY

SM 2320 B-2011 (Aqueous)

##### BACTERIA - COLIFORM FECAL

IDEXX Colilert®18 (MPN) (Aqueous)

SM 9221 E-2014 (MPN) (Aqueous)

SM 9221 E-2014 (MPN) (Biosolids)

SM 9222 D-2015 (MF) (Aqueous)

SM 9222 D-2015 (MF) (Biosolids - Class B Only)

##### BACTERIA - E. coli

IDEXX Colilert® (24 hr) (MPN) (Aqueous)

IDEXX Colilert-18® (MPN) (Aqueous)

##### BOD

SM 5210 B-2016 (Aqueous)

##### BROMIDE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

##### CBOD

SM 5210 B-2016 (Aqueous)

##### CHLORIDE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

##### CHLORINE, TOTAL RESIDUAL

SM 4500 Cl G-2011 (Aqueous)

##### COD

SM 5220 D-2011 (Aqueous)

Hach 8000 (Aqueous)

##### COLOR, PC

SM 2120 B-2011 (PtCo) (Aqueous)

##### CONDUCTIVITY

EPA 120.1, Rev. 1982 (Aqueous)

SM 2510 B-2011 (Aqueous)

SW-846 9050 A (Aqueous)

##### CYANIDE

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

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

SM 4500 CN<sup>-</sup> E-2016 (Total) (Aqueous)

##### DISSOLVED OXYGEN

Hach 10360-2011, Rev. 1.2 (Aqueous)

SM 4500 O G-2016 (Aqueous)

##### FLUORIDE

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)

SW-846 9056 A (Aqueous)

SW-846 9056 A (Non-Aqueous)

##### HARDNESS TOTAL - METALS

SM 2340 B-2011 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994) (Aqueous)

##### HARDNESS TOTAL - WET CHEM

SM 2340 C-2011 (Aqueous)

##### IGNITABILITY

SW-846 1030 (Non-Aqueous)

##### INORGANIC PHENOLS

EPA 420.1, Rev. 1978 (Aqueous)

SW-846 9065 (Aqueous)

##### MBAS

SM 5540 C-2011 (Aqueous)

##### NITROGEN, AMMONIA

SM 4500 NH3 G-2011 (Aqueous)

SM 4500 NH3 C-2011 (Aqueous)

SM 4500 NH3 C-2011 (Non-Aqueous)

##### NITROGEN, NITRATE

(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) - (NO2 SM 4500-NO2<sup>-</sup> B-2011) (Aqueous)

EPA 300.0, Rev. 2.1, 1993 (Aqueous)

EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)

SW-846 9056 A (Aqueous)

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SW-846 9056 A (Non-Aqueous)  
NITROGEN, NITRITE  
SM 4500-NO<sub>2</sub><sup>-</sup> B-2011 (Automated) (Aqueous)  
EPA 300.0, Rev. 2.1, 1993 (Aqueous)  
EPA 300.0, Rev. 2.1, 1993 (Non-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-2016 (Aqueous)  
EPA 353.2, Rev. 2.0, 1993 (Aqueous)  
EPA 300.0, Rev. 2.1, 1993 (Aqueous)  
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)  
SW-846 9056 A (Aqueous)  
SW-846 9056 A (Non-Aqueous)  
NITROGEN, TOTAL KJELDAHL  
EPA 351.2, Rev. 2.0, 1993 (Aqueous)  
OIL & GREASE  
EPA 1664 Rev. B (Aqueous)  
PAINT FILTER LIQUIDS  
SW-846 9095B  
pH  
SM 4500 H+B-2011 (Aqueous)  
SW-846 9040 C (Aqueous)  
SW-846 9045 D (Non-Aqueous)  
PHOSPHATE, ORTHO  
SM 4500 P E-2011 (Aqueous)  
PHOSPHORUS, TOTAL  
SM 4500 P F-2011 (Aqueous)  
SM 4500 P E-2011 (Aqueous)  
EPA 365.1, Rev. 2.0, 1993 (Aqueous)  
EPA 200.7, Rev. 4.4 (1994) (Aqueous)  
SW-846 6010 D (Aqueous)  
RESIDUE, DISSOLVED 180 C  
SM 2540 C-2015 (Aqueous)

RESIDUE, SETTLEABLE  
SM 2540 F-2015 (Aqueous)  
RESIDUE, SUSPENDED  
SM 2540 D-2015 (Aqueous)  
RESIDUE, TOTAL  
SM 2540 B-2015 (Aqueous)  
SILICA - METALS  
EPA 200.7, Rev. 4.4, 1994 (Aqueous)  
SW-846 6010 D (Aqueous)  
SULFATE  
EPA 300.0, Rev. 2.1, 1993 (Aqueous)  
EPA 300.0, Rev. 2.1, 1993 (Non-Aqueous)  
SW-846 9056 A (Aqueous)  
SW-846 9056 A (Non-Aqueous)  
SULFIDE  
SM 4500 S<sup>2-</sup> F-2011 (Aqueous)  
TEMPERATURE  
SM 2550 B-2010 (Aqueous)  
TURBIDITY  
EPA 180.1, Rev. 2.0, 1993 (Aqueous)  
SM 2130 B-2011 (Aqueous)  
**METAL**  
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)

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### CERTIFIED PARAMETERS

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)  
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-2011 (Aqueous)  
SW-846 7196 A (Aqueous)  
SW-846 7196 A (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)  
IRON  
EPA 200.7, Rev. 4.4, 1994 (Aqueous)

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### CERTIFIED PARAMETERS

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)

#### 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)

#### 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 7470 A (Non-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)

#### 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)

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### CERTIFIED PARAMETERS

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

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)

#### ORGANIC

1,2, DIBROMOETHANE (EDB)  
SW-846 8011 (Includes DBCP) (Aqueous)

#### BASE NEUTRAL/ACID, ORGANICS

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

#### EXTRACTABLE PETROLEUM HYDROCARBONS

MADEP, December 2019, Rev. 2.1 (Aqueous)  
MADEP, December 2019, Rev. 2.1 (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)

#### PURGEABLE, ORGANICS

EPA 624.1, Dec 2016 (Aqueous)  
SM 6200 B-2011 (Aqueous)

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**CERTIFIED PARAMETERS**

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)