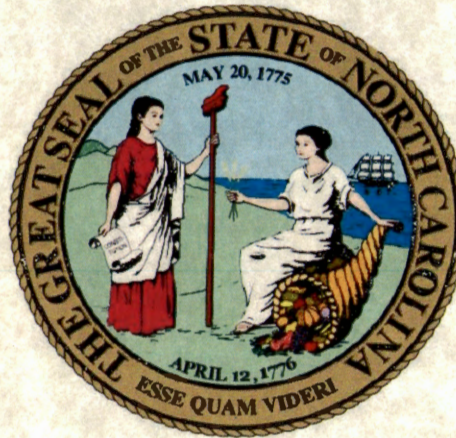


**DIVISION OF WATER RESOURCES  
LABORATORY CERTIFICATION BRANCH**

*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 LLC**

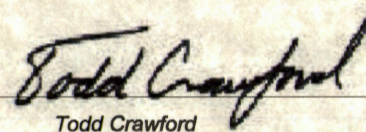
*Is hereby certified to perform environmental analysis as listed on the Laboratory's Certified Parameter List and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, soil and pretreatment regulations.*

*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.*

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

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: 1/1/2024  
 Expiration Date: 12/31/2024  
 Date of Last Amendment: 9/22/2023

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

ACIDITY  
 SM 2310 B-2011(Aqueous)

ALKALINITY  
 SM 2320 B-2011 (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-2011 (PtCo) (Aqueous)

CONDUCTIVITY  
 SM 2510 B-2011 (Aqueous)

CYANIDE  
 SW-846 9014 (Total) (Colorimetric) (Aqueous)  
 SW-846 9014 (Total) (Colorimetric) (Non-Aqueous)  
 SM 4500 CN<sup>-</sup> E-2016 (Total) (Aqueous)  
 SM 4500 CN<sup>-</sup> G-2016 (SM 4500 CN<sup>-</sup> E-2016) (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)

#### HARDNESS TOTAL - METALS

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

INORGANIC PHENOLS  
 EPA 420.1, Rev. 1978 (Aqueous)  
 SW-846 9065 (Aqueous)

MBAS  
 SM 5540 C-2011 (Aqueous)

NITROGEN, AMMONIA  
 SM 4500 NH3 D-2011 (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-2016 (Aqueous)  
 SM 4500 NO<sub>3</sub><sup>-</sup> I-2016 (Aqueous)

NITROGEN, TOTAL KJELDAHL  
 SM 4500 Norg B-2011 (SM 4500 NH3 C-2011) (Aqueous)  
 SM 4500 Norg B-2011 (SM 4500 NH3 C-2011) (Non-Aqueous)  
 SM 4500 Norg D-2011 (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

pH  
 SM 4500 H+B-2011 (Aqueous)

# 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: 1/1/2024  
Expiration Date: 12/31/2024  
Date of Last Amendment: 9/22/2023

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

SW-846 9040 C (Aqueous)	SW-846 6010 D (Aqueous)
SW-846 9045 D (Non-Aqueous)	SW-846 6010 D (Non-Aqueous)
PHOSPHATE, ORTHO	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SM 4500 P E-2011 (Aqueous)	SW-846 6020 B (Aqueous)
PHOSPHORUS, TOTAL	SW-846 6020 B (Non-Aqueous)
SM 4500 P E-2011 (Aqueous)	ANTIMONY
EPA 365.4, 1974 (Aqueous)	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)
Mehlich 3 Extraction - SM 4500 P E-2011 - Animal Waste only	SW-846 6020 B (Aqueous)
RESIDUE, DISSOLVED 180 C	SW-846 6020 B (Non-Aqueous)
SM 2540 C-2015 (Aqueous)	ARSENIC
RESIDUE, SETTLEABLE	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SM 2540 F-2015 (Aqueous)	SW-846 6010 D (Aqueous)
RESIDUE, SUSPENDED	SW-846 6010 D (Non-Aqueous)
SM 2540 D-2015 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
RESIDUE, TOTAL	SW-846 6020 B (Aqueous)
SM 2540 B-2015 (Aqueous)	SW-846 6020 B (Non-Aqueous)
SM 2540 G-2015 (Non-Aqueous)	BARIUM
RESIDUE, VOLATILE	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SM 2540 G-2015 (Non-Aqueous)	SW-846 6010 D (Aqueous)
SULFATE	SW-846 6010 D (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SW-846 9056 A (Aqueous)	SW-846 6020 B (Aqueous)
SW-846 9056 A (Non-Aqueous)	SW-846 6020 B (Non-Aqueous)
SULFIDE	BERYLLIUM
SW-846 9031 (Non-Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 9034 (Non-Aqueous)	SW-846 6010 D (Aqueous)
TURBIDITY	SW-846 6010 D (Non-Aqueous)
SM 2130 B-2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
<b>METAL</b>	SW-846 6020 B (Aqueous)
<b>ALUMINUM</b>	SW-846 6020 B (Non-Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	BORON

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.

# 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: 1/1/2024  
Expiration Date: 12/31/2024  
Date of Last Amendment: 9/22/2023

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

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)

#### 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)  
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

#### 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 (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)

**North Carolina Wastewater/Groundwater Laboratory Certification**  
**Certified Parameters Listing**

Lab Name: Waypoint Analytical LLC  
Address: 2790 Whitten Road  
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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**

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

**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)

**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)  
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**

**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: 1/1/2024  
Expiration Date: 12/31/2024  
Date of Last Amendment: 9/22/2023

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**

EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SW-846 8270 E (Aqueous)
SW-846 6010 D (Aqueous)	SW-846 8270 E (Non-Aqueous)
SW-846 6010 D (Non-Aqueous)	CHLORINATED ACID HERBICIDES
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	EPA 615, 1992 (Aqueous)
SW-846 6020 B (Aqueous)	SW-846 8151 A (Aqueous)
SW-846 6020 B (Non-Aqueous)	SW-846 8151 A (Non-Aqueous)
<b>TITANIUM</b>	NONHALOGENATED VOLATILE, ORGANICS
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SW-846 8015 C (Aqueous)
SW-846 6010 D (Aqueous)	SW-846 8015 C (Non-Aqueous)
SW-846 6010 D (Non-Aqueous)	PESTICIDES, ORGANOCHLORINE
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	EPA 608.3, Dec 2016 (Aqueous)
SW-846 6020 B (Aqueous)	SW-846 8081 B (Aqueous)
SW-846 6020 B (Non-Aqueous)	SW-846 8081 B (Non-Aqueous)
<b>VANADIUM</b>	POLYCHLORINATED BIPHENYLS (PCBs)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	EPA 608.3, Dec 2016 (Aqueous)
SW-846 6010 D (Aqueous)	SW-846 8082 A (Aqueous)
SW-846 6010 D (Non-Aqueous)	SW-846 8082 A (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	SW-846 8082 A (Oil)
SW-846 6020 B (Aqueous)	POLYNUCLEAR AROMATIC HYDROCARBONS
SW-846 6020 B (Non-Aqueous)	SW-846 8270 E (Aqueous)
<b>ZINC</b>	PURGEABLE, ORGANICS
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	EPA 624.1, Dec 2016 (Aqueous)
SW-846 6010 D (Aqueous)	SM 6200 B-2011 (Aqueous)
SW-846 6010 D (Non-Aqueous)	SW-846 8260 D (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	SW-846 8260 D (Non-Aqueous)
SW-846 6020 B (Aqueous)	TPH DIESEL RANGE, ORGANICS
SW-846 6020 B (Non-Aqueous)	SW-846 8015 C (Aqueous)
Mehlich 3 Extraction - SW-846 6010 D - Animal Waste only	SW-846 8015 C (Non-Aqueous)
<b>ORGANIC</b>	TPH GASOLINE RANGE, ORGANICS
1,2, DIBROMOETHANE (EDB)	SW-846 8015 C (Aqueous)
EPA 504.1, Rev. 1.1, 1995 (Includes DBCP & TCP) (Aqueous)	SW-846 8015 C (Non-Aqueous)
SW-846 8011 (Includes DBCP) (Aqueous)	VOLATILE PETROLEUM HYDROCARBONS
BASE NEUTRAL/ACID, ORGANICS	MADEP, Feb 2018, Rev. 2.1 (Aqueous)
EPA 625.1, Dec 2016 (Aqueous)	MADEP, Feb 2018, Rev. 2.1 (Non-Aqueous)