

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:



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: 6/24/2024

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 ACIDITY	HARDNESS TOTAL - METALS
SM 2310 B-2011(Aqueous)	SM 2340 B-2011 (Ca EPA 200.7, Rev. 4.4, 1994 + Mg EPA 200.7, Rev. 4.4, 1994) (Aqueous)
ALKALINITY	INORGANIC PHENOLS
SM 2320 B-2011 (Aqueous)	EPA 420.1, Rev. 1978 (Aqueous)
BOD	SW-846 9065 (Aqueous)
SM 5210 B-2016 (Aqueous)	MBAS
BROMIDE	SM 5540 C-2011 (Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	NITROGEN, AMMONIA
SW-846 9056 A (Aqueous)	SM 4500 NH3 D-2011 (Aqueous)
SW-846 9056 A (Non-Aqueous)	NITROGEN, NITRATE
CBOD	EPA 300.0, Rev. 2.1, 1993 (Aqueous)
SM 5210 B-2016 (Aqueous)	SW-846 9056 A (Aqueous)
CHLORIDE	SW-846 9056 A (Non-Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	NITROGEN, NITRITE
SW-846 9056 A (Aqueous)	EPA 300.0, Rev. 2.1, 1993 (Aqueous)
SW-846 9056 A (Non-Aqueous)	SW-846 9056 A (Aqueous)
COD	SW-846 9056 A (Non-Aqueous)
SM 5220 D-2011 (Aqueous)	NITROGEN, NO3 + NO2
COLOR, PC	SM 4500 NO3 ⁻ F-2016 (Aqueous)
SM 2120 B-2011 (PtCo) (Aqueous)	SM 4500 NO3 ⁻ I-2016 (Aqueous)
CONDUCTIVITY	NITROGEN, TOTAL KJELDAHL
SM 2510 B-2011 (Aqueous)	SM 4500 Norg B-2011 (SM 4500 NH3 C-2011) (Aqueous)
CYANIDE	SM 4500 Norg B-2011 (SM 4500 NH3 C-2011) (Non-Aqueous)
SW-846 9014 (Total) (Colorimetric) (Aqueous)	SM 4500 Norg D-2011 (Aqueous)
SW-846 9014 (Total) (Colorimetric) (Non-Aqueous)	OIL & GREASE
SM 4500 CN ⁻ E-2016 (Total) (Aqueous)	EPA 1664 Rev. B (Aqueous)
SM 4500 CN ⁻ G-2016 (SM 4500 CN ⁻ E-2016) (Available) (Aqueous)	SW-846 9071 B (Non-Aqueous)
FLASH POINT	ORGANIC CARBON, TOTAL
SW-846 1010 B (D93-80) (Aqueous)	SM 5310 C-2014 (Aqueous)
FLUORIDE	SW-846 9060 A (Aqueous)
EPA 300.0, Rev. 2.1, 1993 (Aqueous)	PAINT FILTER LIQUIDS
SW-846 9056 A (Aqueous)	SW-846 9095B
SW-846 9056 A (Non-Aqueous)	pH
	SM 4500 H+B-2011 (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 9040 C (Aqueous) SW-846 9045 D (Non-Aqueous) PHOSPHATE, ORTHO SM 4500 P E-2011 (Aqueous) PHOSPHORUS, TOTAL SM 4500 P E-2011 (Aqueous) EPA 365.4, 1974 (Aqueous) EPA 200.7, Rev. 4.4 (1994) (Aqueous) SW-846 6010 D (Aqueous) SW-846 6010 D (Non-Aqueous) Mehlich 3 Extraction - SM 4500 P E-2011 - Animal Waste only 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) SM 2540 G-2015 (Non-Aqueous) RESIDUE, VOLATILE SM 2540 G-2015 (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-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) 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 SW-846 6020 B (Non-Aqueous)
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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)	COPPER
CADMIUM	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)	Mehlich 3 Extraction - SW-846 6010 D - Animal Waste only
CALCIUM	IRON
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)
CHROMIUM HEXAVALENT	LEAD
SM 3500 Cr B-2011 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 7196 A (Aqueous)	SW-846 6010 D (Aqueous)
SW-846 7196 A (Non-Aqueous)	SW-846 6010 D (Non-Aqueous)
SW-846 7199 (Non-Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
CHROMIUM TOTAL	SW-846 6020 B (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SW-846 6020 B (Non-Aqueous)
SW-846 6010 D (Aqueous)	MAGNESIUM
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)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
COBALT	SW-846 6020 B (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SW-846 6020 B (Non-Aqueous)

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CERTIFIED PARAMETERS

Mehlich 3 Extraction - SW-846 6010 D - Animal Waste only	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
MANGANESE	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)	SILVER
SW-846 6020 B (Non-Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
MERCURY	SW-846 6010 D (Aqueous)
EPA 245.1, Rev. 3.0, 1994 (Aqueous)	SW-846 6010 D (Non-Aqueous)
SW-846 7470 A (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SW-846 7471 B (Non-Aqueous)	SW-846 6020 B (Aqueous)
MOLYBDENUM	SW-846 6020 B (Non-Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SODIUM
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)
NICKEL	SW-846 6020 B (Non-Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	STRONTIUM
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)	SW-846 6020 B (Aqueous)
SW-846 6020 B (Non-Aqueous)	SW-846 6020 B (Non-Aqueous)
POTASSIUM	THALLIUM
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)	SW-846 6020 B (Aqueous)
SW-846 6020 B (Aqueous)	SW-846 6020 B (Non-Aqueous)
SW-846 6020 B (Non-Aqueous)	TIN
SELENIUM	SW-846 6020 B (Non-Aqueous)

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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)
TITANIUM	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)
VANADIUM	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)
ZINC	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)
ORGANIC	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)

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