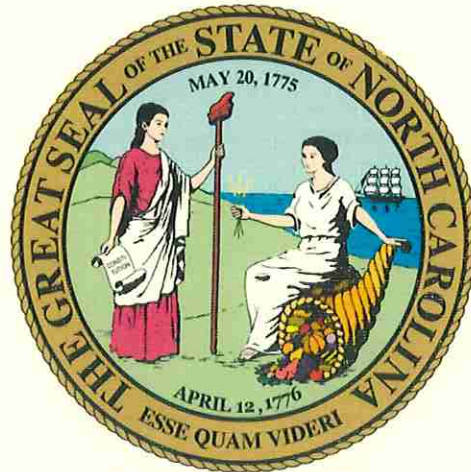


DIVISION OF WATER RESOURCES LABORATORY CERTIFICATION BRANCH

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



2023

Meritech Inc.

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 12/31/2023

Certificate No. 165

Todd Crawford

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

Lab Name: Meritech Inc.
Address: 642 Tamco Rd
Reidsville, NC 27320

Certificate Number: 165
Effective Date: 1/1/2023
Expiration Date: 12/31/2023
Date of Last Amendment: 6/15/2022

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

ALKALINITY

SM 2320 B-2011 (Aqueous)

BACTERIA - COLIFORM FECAL

SM 9222 D-2015 (MF) (Aqueous)

SM 9222 D-2015 (MF) (Biosolids)

BACTERIA - COLIFORM TOTAL

SM 9222 B-2015 (MF) (Aqueous)

BOD

SM 5210 B-2016 (Aqueous)

CBOD

SM 5210 B-2016 (Aqueous)

CHLORIDE

SM 4500 Cl⁻ B-2011 (Aqueous)

SM 4500 Cl⁻ C-2011 (Aqueous)

CHLORINE, TOTAL RESIDUAL

SM 4500 Cl G-2011 (Aqueous)

CHLOROPHYLL a

EPA 445.0, Rev. 1.2 (Fluorometric) (Aqueous)

COD

EPA 410.4, Rev. 2.0, 1993 (Aqueous)

COLOR, ADMI

SM 2120 E-1993 (ADMI) (Aqueous)

CONDUCTIVITY

SM 2510 B-2011 (Aqueous)

CYANIDE

SM 4500 CN⁻ E-2016 (Total) (Aqueous)

SM 4500 CN⁻ G-2016 (SM 4500 CN⁻ E-2016) (Available) (Aqueous)

EPA 335.4, Rev. 1.0, 1993 (Total) (Aqueous)

SW-846 9012 B (Total) (Aqueous)

SW-846 9012 B (Total) (Non-Aqueous)

DISSOLVED OXYGEN

SM 4500 O G-2016 (Aqueous)

FLASH POINT

SW-846 1020 C (D8174-18) (Aqueous)

FLUORIDE

SM 4500 F⁻ C-2011 (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)

MBAS

SM 5540 C-2011 (Aqueous)

NITROGEN, AMMONIA

EPA 350.1, Rev. 2.0, 1993 (Aqueous)

SM 4500 NH3 D-2011 (Aqueous)

NITROGEN, NITRATE

(NO3 + NO2 EPA 353.2, Rev. 2.0, 1993) - (NO2 EPA 353.2, Rev. 2.0, 1993) (Aqueous)

NITROGEN, NITRITE

EPA 353.2, Rev. 2.0, 1993 (Aqueous)

NITROGEN, NO3 + NO2

EPA 353.2, Rev. 2.0, 1993 (Aqueous)

NITROGEN, TOTAL KJELDAHL

EPA 351.2, Rev. 2.0, 1993 (Aqueous)

OIL & GREASE

EPA 1664 Rev. B (Aqueous)

ORGANIC CARBON, TOTAL

SM 5310 C-2014 (Aqueous)

PAINT FILTER LIQUIDS

SW-846 9095B

pH

SM 4500 H+B-2011 (Aqueous)

PHOSPHATE, ORTHO

SM 4500 P F-2011 (Aqueous)

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North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

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Reidsville, NC 27320

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CERTIFIED PARAMETERS

SM 4500 P E-2011 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
PHOSPHORUS, TOTAL	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4 (1994) (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
RESIDUE, DISSOLVED 180 C	ARSENIC
SM 2540 C-2015 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
RESIDUE, SETTLEABLE	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
SM 2540 F-2015 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
RESIDUE, SUSPENDED	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
SM 2540 D-2015 (Aqueous)	BARIUM
RESIDUE, TOTAL	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SM 2540 B-2015 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
SALINITY	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SM 2520 B-2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
SULFATE	BERYLLIUM
SM 4500 SO ₄ ²⁻ E-2011 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
SW-846 9038 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
SULFIDE	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
SM 4500 S ²⁻ D-2011 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
TEMPERATURE	BORON
SM 2550 B-2010 (Aqueous)	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
TURBIDITY	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
EPA 180.1, Rev. 2.0, 1993 (Aqueous)	CADMIUM
VECTOR ATTRACTION REDUCTION: OPTION 3	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
Additional Digestion of Sludge	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
VECTOR ATTRACTION REDUCTION: OPTION 4	EPA 200.8, Rev. 5.4, 1994 (Aqueous)
Specific Oxygen Uptake Rate	EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)
METAL	CALCIUM
ALUMINUM	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)	CHROMIUM HEXVALENT
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	SM 3500 Cr B-2011 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)	CHROMIUM TOTAL
ANTIMONY	EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)

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CERTIFIED PARAMETERS

EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

COBALT

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

COPPER

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

IRON

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

LEAD

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

MAGNESIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)

MANGANESE

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

MERCURY

EPA 245.1, Rev. 3.0, 1994 (Aqueous)
EPA 1631 E (Aqueous)

MOLYBDENUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

NICKEL

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

POTASSIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)

SELENIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

SILVER

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

SODIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)

THALLIUM

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)

TIN

EPA 200.7, Rev. 4.4, 1994 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)

TITANIUM

North Carolina Wastewater/Groundwater Laboratory Certification

Certified Parameters Listing

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CERTIFIED PARAMETERS

EPA 200.7, Rev. 4.4, 1994 (Aqueous)	SW-846 8015 C (Non-Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)	TPH GASOLINE RANGE, ORGANICS
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	SW-846 8015 C (Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)	SW-846 8015 C (Non-Aqueous)
VANADIUM	VOLATILE PETROLEUM HYDROCARBONS
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	MADEP, Feb 2018, Rev. 2.1 (Aqueous)
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)	MADEP, Feb 2018, Rev. 2.1 (Non-Aqueous)
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)	
ZINC	
EPA 200.7, Rev. 4.4, 1994 (Aqueous)	
EPA 200.7, Rev. 4.4, 1994 (Non-Aqueous)	
EPA 200.8, Rev. 5.4, 1994 (Aqueous)	
EPA 200.8, Rev. 5.4, 1994 (Non-Aqueous)	
ORGANIC	
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)	
POLYCHLORINATED BIPHENYLS (PCBs)	
SW-846 8082 A (Aqueous)	
SW-846 8082 A (Non-Aqueous)	
PURGEABLE, AROMATICS	
EPA 602, 1984 (Aqueous)	
PURGEABLE, ORGANICS	
EPA 624.1, Dec 2016 (Aqueous)	
SM 6200 B-2011 (Aqueous)	
SW-846 8260 D (Aqueous)	
SW-846 8260 D (Non-Aqueous)	
TPH DIESEL RANGE, ORGANICS	
SW-846 8015 C (Aqueous)	

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