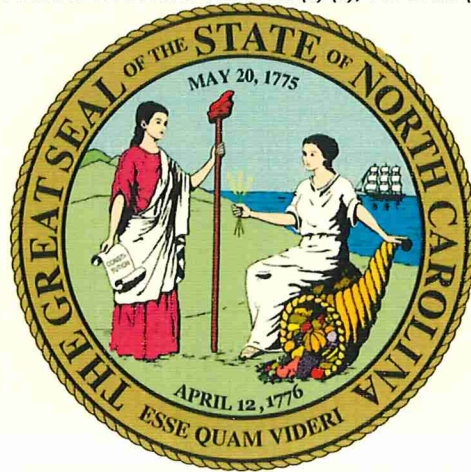


DIVISION OF WATER RESOURCES LABORATORY CERTIFICATION BRANCH

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



2021

Meritech Inc.

Is hereby certified to perform environmental analysis as listed on Attachment I and report monitoring data to DEQ for compliance with NPDES effluent, surface water, groundwater, 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 12/31/2021

Certificate No. 165

A handwritten signature in black ink that reads 'Todd Crawford'. The signature is written in a cursive style and is positioned above a horizontal line.

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: 1/1/2021
Expiration Date: 12/31/2021
Date of Last Amendment: 10/20/2020

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-2006 (MF) (Aqueous)

SM 9222 D-2006 (MF) (Biosolids)

BACTERIA - COLIFORM TOTAL

SM 9222 B-2006 (MF) (Aqueous)

BOD

SM 5210 B-2011 (Aqueous)

SM 5210 B-2011 (LDO) (Aqueous)

CBOD

SM 5210 B-2011 (Aqueous)

SM 5210 B-2011 (LDO) (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-2011 (Total) (Aqueous)

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

SW-846 9012 B (Total) (Aqueous)

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

SM 4500 CN⁻ G-2011 (SM 4500 CN⁻ E-2011) (Amenable) (Aqueous)

DISSOLVED OXYGEN

SM 4500 O G-2011 (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-2011 (Heated Persulfate) (Aqueous)

SM 5310 C-2011 (UV Oxidation) (Aqueous)

PAINT FILTER LIQUIDS

SW-846 9095B

pH

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

Certificate Number: 165
 Effective Date: 1/1/2021
 Expiration Date: 12/31/2021
 Date of Last Amendment: 10/20/2020

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

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

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: 1/1/2021
Expiration Date: 12/31/2021
Date of Last Amendment: 10/20/2020

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 (Non-Aqueous)
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)

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: 1/1/2021
Expiration Date: 12/31/2021
Date of Last Amendment: 10/20/2020

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

TITANIUM

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)

VANADIUM

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)

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 (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 (Aqueous)

PURGEABLE, ORGANICS

EPA 624.1 (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)
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)