



Healthy People. Healthy Communities.

S.C. Department of Health and
Environmental Control

Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61-81, entitled "State Environmental Laboratory Certification Regulations"

**ROGERS & CALLCOTT ENGINEERS INC
426 FAIRFOREST WAY
GREENVILLE, SOUTH CAROLINA 29607**

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of the data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

Laboratory Director: REBECCA MUSICK
Certifying Authority: SC
Date of Issue: October 01, 2021
Date of Expiration: July 01, 2022
Certificate Number: 23105001

Program Manager
Office of Environmental Laboratory Certification

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)
Laboratory Director: REBECCA MUSICK
Certifying Authority: SC
Certificate Number: 23105001

Date of Issue: October 01, 2021
Expiration Date: July 01, 2022

CLEAN WATER ACT

INORGANIC - DEMAND

| | | |
|--------------------------------|-------------------|---|
| BIOCHEMICAL OXYGEN DEMAND(BOD) | SM 5210 B-2011 | 5 DAY DO DEPLETION |
| CARBONACEOUS BOD | SM 5210 B-2011 | 5 DAY DO DEPLETION |
| CHEMICAL OXYGEN DEMAND (COD) | EPA 410.4 (1993) | SPECTROPHOTOMETRIC, MANUAL OR AUTOMATED |
| DISSOLVED OXYGEN | HACH 10360 (2011) | LUMINESCENCE BASED SENSOR |
| DISSOLVED OXYGEN | SM 4500-O G-2011 | ELECTRODE |
| TOTAL ORGANIC CARBON (TOC) | SM 5310 B-2011 | HIGH TEMPERATURE COMBUSTION (TOC) |

INORGANIC - MINERAL

| | | |
|----------------------------|------------------|-----------------------------|
| ALKALINITY | SM 2320 B-2011 | TITRIMETRIC |
| CHLORIDE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| FLUORIDE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| HARDNESS, TOTAL (AS CaCO3) | SM 2340 B-2011 | CALCULATIONS |
| HYDROGEN-ION CONC. (PH) | SM 4500-H B-2011 | ELECTROMETRIC MEASUREMENT |
| SPECIFIC CONDUCTANCE | SM 2510 B-2011 | CONDUCTANCE AT 25 DEGREES C |
| SULFATE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |

INORGANIC - MISCELLANEOUS

| | | |
|--------------------------------|------------------------|---|
| BROMIDE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| COLOR | NCASI 71.01-TB803 (200 | SPECTROPHOTOMETRIC |
| COLOR | SM 2120 B-2011 | VISUAL - PLATINUM COBALT |
| COLOR | SM 2120 E-1993 | COLORIMETRIC (ADM) |
| CYANIDE, AMEN. TO CHLORINATION | SM 4500-CN G-2011 | AMENABLE TO CHLORINATION (AFTER DISTILLATION) |
| CYANIDE, TOTAL | SM 4500-CN B,C-2011 | SAMPLE PRETREATMENT, MANUAL DISTILLATION |
| CYANIDE, TOTAL | SM 4500-CN E-2011 | SPECTROPHOTOMETRIC (MANUAL) |
| OIL & GREASE | EPA 1664B (2010) | OIL & GREASE - HEM/SGT-HEM |
| PHENOLICS, TOTAL RECOVERABLE | EPA 420.1 (1978) | MANUAL DISTILLATION WITH COLORIMETRIC(4AAP) |
| RESIDUAL CHLORINE | SM 4500-CL G-2011 | DPD COLORIMETRIC METHOD |
| SULFIDE | SM 4500-S2 F-2011 | TITRIMETRIC (IODINE) |
| SULFITE | SM 4500-SO3 B-2011 | TITRIMETRIC (IODINE-IODATE) |
| SURFACTANTS (MBAS) | SM 5540 C-2011 | COLORIMETRIC (METHYLENE BLUE) |
| TEMPERATURE | SM 2550 B-2010 | THERMOMETRIC |
| TURBIDITY | EPA 180.1 (1993) | NEPHELOMETRIC |

INORGANIC - NUTRIENT

| | | |
|---------------------------|--------------------|--|
| AMMONIA-NITROGEN | EPA 350.1 (1993) | MANUAL DISTILLATION WITH AUTOMATED PHENATE |
| KJELDAHL-NITROGEN | EPA 351.2 (1993) | SEMI-AUTOMATED BLOCK DIGESTER COLORIMETRIC |
| NITRATE-NITRITE (NO2&NO3) | SM 4500-NO3 H-2011 | AUTOMATED HYDRAZINE |

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INORGANIC - NUTRIENT

| | | |
|------------------------|---------------------|---------------------------------------|
| NITRATE-NITROGEN | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| NITRITE-NITROGEN | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| NITRITE-NITROGEN | SM 4500-NO2 B-2011 | SPECTROPHOTOMETRIC (MANUAL) |
| ORTHOPHOSPHATE | SM 4500-P E-2011 | ASCORBIC ACID (MANUAL SINGLE REAGENT) |
| PHOSPHORUS | EPA 200.7 (1994) | ICP/AES |
| PHOSPHORUS | SM 4500-P B(5)-2011 | DIGESTION |
| PHOSPHORUS | SM 4500-P E-2011 | ASCORBIC ACID (MANUAL SINGLE REAGENT) |
| TOTAL ORGANIC NITROGEN | EPA TKN-NH3-N | TOTAL KJELDAHL-N MINUS AMMONIA-N |

INORGANIC - RESIDUE

| | | |
|--------------------------------|------------------|---|
| RESIDUE, FILTERABLE (TDS) | SM 2540 C-2011 | GRAVIMETRIC (180) |
| RESIDUE, NONFILTERABLE (TSS) | SM 2540 D-2011 | GRAVIMETRIC 103-105 |
| RESIDUE, SETTLEABLE (SS) | SM 2540 F-2011 | VOLUMETRIC (IMHOFF CONE) OR GRAVIMETRIC |
| RESIDUE, TOTAL (TS) | SM 2540 B-2011 | GRAVIMETRIC 103-105 |
| RESIDUE, VOLATILE (VS) | EPA 160.4 (1979) | GRAVIMETRIC (550) |
| TOTAL, FIXED & VOLATILE SOLIDS | SM 2540G (18TH) | PERCENT SOLIDS FOR BIOSOLIDS |

INORGANIC - TRACE METAL

| | | |
|----------------------|-------------------|----------------------------------|
| ALUMINUM | EPA 200.7 (1994) | ICP/AES |
| ALUMINUM | EPA 200.8 (1994) | ICP/MS |
| ANTIMONY | EPA 200.7 (1994) | ICP/AES |
| ANTIMONY | EPA 200.8 (1994) | ICP/MS |
| ARSENIC | EPA 200.7 (1994) | ICP/AES |
| ARSENIC | EPA 200.8 (1994) | ICP/MS |
| BARIUM | EPA 200.7 (1994) | ICP/AES |
| BARIUM | EPA 200.8 (1994) | ICP/MS |
| BERYLLIUM | EPA 200.7 (1994) | ICP/AES |
| BERYLLIUM | EPA 200.8 (1994) | ICP/MS |
| BORON | EPA 200.7 (1994) | ICP/AES |
| CADMIUM | EPA 200.7 (1994) | ICP/AES |
| CADMIUM | EPA 200.8 (1994) | ICP/MS |
| CALCIUM | EPA 200.7 (1994) | ICP/AES |
| CHROMIUM | EPA 200.7 (1994) | ICP/AES |
| CHROMIUM | EPA 200.8 (1994) | ICP/MS |
| CHROMIUM, HEXAVALENT | SM 3500-CR B-2011 | COLORIMETRIC (DIPHENYLCARBAZIDE) |
| COBALT | EPA 200.7 (1994) | ICP/AES |
| COBALT | EPA 200.8 (1994) | ICP/MS |
| COPPER | EPA 200.7 (1994) | ICP/AES |

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CLEAN WATER ACT

INORGANIC - TRACE METAL

| | | |
|-------------------------------|---------------------|-------------------------------|
| COPPER | EPA 200.8 (1994) | ICP/MS |
| IRON | EPA 200.7 (1994) | ICP/AES |
| IRON | EPA 200.8 (1994) | ICP/MS |
| LEAD | EPA 200.7 (1994) | ICP/AES |
| LEAD | EPA 200.8 (1994) | ICP/MS |
| MAGNESIUM | EPA 200.7 (1994) | ICP/AES |
| MAGNESIUM | EPA 200.8 (1994) | ICP/MS |
| MANGANESE | EPA 200.7 (1994) | ICP/AES |
| MANGANESE | EPA 200.8 (1994) | ICP/MS |
| MERCURY | EPA 245.1 (1994) | COLD VAPOR (MANUAL) |
| MOLYBDENUM | EPA 200.7 (1994) | ICP/AES |
| MOLYBDENUM | EPA 200.8 (1994) | ICP/MS |
| NICKEL | EPA 200.7 (1994) | ICP/AES |
| NICKEL | EPA 200.8 (1994) | ICP/MS |
| POTASSIUM | EPA 200.7 (1994) | ICP/AES |
| POTASSIUM | EPA 200.8 (1994) | ICP/MS |
| SAMPLING FOR LOW-LEVEL METALS | EPA 1669 (1996) | SAMPLING FOR LOW-LEVEL METALS |
| SELENIUM | EPA 200.7 (1994) | ICP/AES |
| SELENIUM | EPA 200.8 (1994) | ICP/MS |
| SILICA, DISSOLVED | SM 4500-SIO2 C-2011 | COLORIMETRIC (MANUAL) |
| SILICON | EPA 200.7 (1994) | ICP/AES |
| SILVER | EPA 200.7 (1994) | ICP/AES |
| SILVER | EPA 200.8 (1994) | ICP/MS |
| SODIUM | EPA 200.7 (1994) | ICP/AES |
| STRONTIUM | EPA 200.7 (1994) | ICP/AES |
| THALLIUM | EPA 200.7 (1994) | ICP/AES |
| THALLIUM | EPA 200.8 (1994) | ICP/MS |
| TIN | EPA 200.7 (1994) | ICP/AES |
| TIN | EPA 200.8 (1994) | ICP/MS |
| TITANIUM | EPA 200.7 (1994) | ICP/AES |
| TITANIUM | EPA 200.8 (1994) | ICP/MS |
| VANADIUM | EPA 200.7 (1994) | ICP/AES |
| VANADIUM | EPA 200.8 (1994) | ICP/MS |
| ZINC | EPA 200.7 (1994) | ICP/AES |
| ZINC | EPA 200.8 (1994) | ICP/MS |

MICROBIOLOGY

| | | |
|---------------------------------------|--|---|
| BIOSOLIDS PREPARATION E.COLI (MPN) | EPA/625/R-92/013 APP F SM 9223 B-2004 | SLUDGE ANALYSIS PREPARATION COLILERT/COLILERT-18 |
|---------------------------------------|--|---|

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MICROBIOLOGY

| | | |
|--------------------------|--------------------|----------------------------|
| FECAL COLIFORM (MPN) | COLILERT-18 (2010) | MULTIPLE WELL |
| FECAL COLIFORM (MPN) | SM 9221-C E-2006 | MULTIPLE TUBE FERMENTATION |
| FECAL STREPTOCOCCI (MPN) | SM 9230 B-2007 | MULTIPLE TUBE FERMENTATION |

PCBS AND PESTICIDES

| | |
|--------------------------------------|------------------|
| ORGANOCHLORINE PEST. & PCBS - GC/ECD | EPA 608.3 (2016) |
|--------------------------------------|------------------|

SEMI-VOLATILES

| | |
|---|----------------------|
| BASE/NEUTRALS AND ACIDS - GC/MS | EPA 625.1 (2016) |
| BASE/NEUTRALS AND ACIDS - GC/MS - REDUC | EPA 625.1-RVE (2016) |

VOLATILES (VOCS)

| | |
|--------------------|------------------|
| PURGEABLES - GC/MS | EPA 624.1 (2016) |
|--------------------|------------------|

SAFE DRINKING WATER ACT

DISINFECTION BY-PRODUCTS

| | | |
|---------|------------------|--------------------|
| BROMIDE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
|---------|------------------|--------------------|

INORGANIC - DEMAND

| | | |
|------------------------------------|----------------|-----------------------------------|
| TOTAL AND DISSOLVED ORGANIC CARBON | SM 5310 B-2011 | HIGH TEMPERATURE COMBUSTION (TOC) |
|------------------------------------|----------------|-----------------------------------|

INORGANIC - MINERAL

| | | |
|----------------------------|-------------------|-----------------------------|
| ALKALINITY | SM 2320 B-2011 | TITRIMETRIC |
| CALCIUM - HARDNESS (CACO3) | SM 3500-CA B-2011 | TITRIMETRIC (EDTA) |
| CHLORIDE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| FLUORIDE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| HYDROGEN-ION CONC. (PH) | SM 4500-H B-2011 | ELECTROMETRIC MEASUREMENT |
| SPECIFIC CONDUCTANCE | SM 2510 B-2011 | CONDUCTANCE AT 25 DEGREES C |
| SULFATE | EPA 300.0 (1993) | ION CHROMATOGRAPHY |

INORGANIC - MISCELLANEOUS

| | | |
|-------|----------------|--------------------------|
| COLOR | SM 2120 B-2011 | VISUAL - PLATINUM COBALT |
|-------|----------------|--------------------------|

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INORGANIC - MISCELLANEOUS

| | | |
|--------------------|-------------------|-------------------------------|
| CYANIDE | SM 4500-CN C-2011 | MANUAL DISTILLATION |
| CYANIDE | SM 4500-CN E-2011 | SPECTROPHOTOMETRIC (MANUAL) |
| RESIDUAL CHLORINE | SM 4500-CL G-2011 | DPD COLORIMETRIC METHOD |
| SURFACTANTS (MBAS) | SM 5540 C-2011 | COLORIMETRIC (METHYLENE BLUE) |
| TEMPERATURE | SM 2550 B-2010 | THERMOMETRIC |
| TURBIDITY | EPA 180.1 (1993) | NEPHELOMETRIC |

INORGANIC - NUTRIENT

| | | |
|------------------|---------------------|---------------------------------------|
| NITRATE-NITROGEN | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| NITRATE-NITROGEN | SM 4500-NO3 D-2011 | ION SELECTIVE ELECTRODE |
| NITRITE-NITROGEN | EPA 300.0 (1993) | ION CHROMATOGRAPHY |
| NITRITE-NITROGEN | SM 4500-NO2 B-2011 | SPECTROPHOTOMETRIC (MANUAL) |
| ORTHOPHOSPHATE | SM 4500-P E-2011 | ASCORBIC ACID (MANUAL SINGLE REAGENT) |
| PHOSPHORUS | SM 4500-P B(5)-2011 | DIGESTION |
| PHOSPHORUS | SM 4500-P E-2011 | ASCORBIC ACID (MANUAL SINGLE REAGENT) |

INORGANIC - RESIDUE

| | | |
|---------------------------|----------------|-------------------|
| RESIDUE, FILTERABLE (TDS) | SM 2540 C-2011 | GRAVIMETRIC (180) |
|---------------------------|----------------|-------------------|

INORGANIC - TRACE METAL

| | | |
|-----------|------------------|---------|
| ALUMINUM | EPA 200.7 (1994) | ICP/AES |
| ALUMINUM | EPA 200.8 (1994) | ICP/MS |
| ANTIMONY | EPA 200.8 (1994) | ICP/MS |
| ARSENIC | EPA 200.8 (1994) | ICP/MS |
| BARIUM | EPA 200.7 (1994) | ICP/AES |
| BARIUM | EPA 200.8 (1994) | ICP/MS |
| BERYLLIUM | EPA 200.7 (1994) | ICP/AES |
| BERYLLIUM | EPA 200.8 (1994) | ICP/MS |
| CADMIUM | EPA 200.7 (1994) | ICP/AES |
| CADMIUM | EPA 200.8 (1994) | ICP/MS |
| CALCIUM | EPA 200.7 (1994) | ICP/AES |
| CHROMIUM | EPA 200.7 (1994) | ICP/AES |
| CHROMIUM | EPA 200.8 (1994) | ICP/MS |
| COPPER | EPA 200.7 (1994) | ICP/AES |
| COPPER | EPA 200.8 (1994) | ICP/MS |
| IRON | EPA 200.7 (1994) | ICP/AES |
| LEAD | EPA 200.8 (1994) | ICP/MS |

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SAFE DRINKING WATER ACT

INORGANIC - TRACE METAL

| | | |
|-------------------|------------------|---------------------|
| MAGNESIUM | EPA 200.7 (1994) | ICP/AES |
| MANGANESE | EPA 200.7 (1994) | ICP/AES |
| MANGANESE | EPA 200.8 (1994) | ICP/MS |
| MERCURY | EPA 245.1 (1994) | COLD VAPOR (MANUAL) |
| NICKEL | EPA 200.7 (1994) | ICP/AES |
| NICKEL | EPA 200.8 (1994) | ICP/MS |
| SELENIUM | EPA 200.8 (1994) | ICP/MS |
| SILICA, DISSOLVED | EPA 200.7 (1994) | ICP/AES |
| SILVER | EPA 200.7 (1994) | ICP/AES |
| SILVER | EPA 200.8 (1994) | ICP/MS |
| SODIUM | EPA 200.7 (1994) | ICP/AES |
| THALLIUM | EPA 200.8 (1994) | ICP/MS |
| ZINC | EPA 200.7 (1994) | ICP/AES |
| ZINC | EPA 200.8 (1994) | ICP/MS |

MICROBIOLOGY

| | | |
|------------------------|-----------------|--|
| HETEROTROPHIC BACTERIA | SIMPLATE (2000) | IDEXX SIMPLATE MULTIPLE WELL TEST METHOD |
| TOTAL COLIFORM/E.COLI | SM 9223 B-2004 | COLILERT/COLILERT-18 |

SYNTHETIC ORGANIC COMPOUNDS (SOCS)

| | |
|---|------------------|
| HALOACETIC ACIDS & DALAPON BY LIQ-LIQ E | EPA 552.3 (2003) |
|---|------------------|

TRIHALOMETHANES

| | |
|----------------------------|------------------|
| PURGEABLE ORGANICS - GC/MS | EPA 524.2 (1995) |
|----------------------------|------------------|

VOLATILES (VOCS)

| | |
|----------------------------|------------------|
| PURGEABLE ORGANICS - GC/MS | EPA 524.2 (1995) |
|----------------------------|------------------|

SOLID & HAZARDOUS WASTES

HERBICIDES

| | |
|------------------------------|------------------|
| CHLORINATED HERBICIDES BY GC | EPA 8151A (1996) |
|------------------------------|------------------|

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SOLID & HAZARDOUS WASTES

INORGANIC - DEMAND

| | | |
|----------------------------|------------------|-----------------------|
| TOTAL ORGANIC CARBON (TOC) | EPA 9060A (2004) | CARBONACEOUS ANALYZER |
|----------------------------|------------------|-----------------------|

INORGANIC - HAZARDOUS WASTE CHARACTERISTICS

| | | |
|-------------------------------|------------------|--|
| IGNITABILITY (PENSKY MARTENS) | EPA 1010B (2018) | PENSKY-MARTENS CLOSED-CUP |
| TCLP - BOTTLE EXTRACTION | EPA 1311 (1992) | TOXICITY CHARACTERISTIC LEACHING PROCEDURE |
| TCLP - ZERO HEADSPACE | EPA 1311 (1992) | TOXICITY CHARACTERISTIC LEACHING PROCEDURE |

INORGANIC - MINERAL

| | | |
|--|------------------|--------------------|
| CHLORIDE | EPA 9056A (2007) | ION CHROMATOGRAPHY |
| FLUORIDE | EPA 9056A (2007) | ION CHROMATOGRAPHY |
| HYDROGEN-ION CONC. (PH) | EPA 9040C (2004) | ELECTROMETRIC |
| HYDROGEN-ION CONC. (PH) (SOIL & WASTE) | EPA 9045D (2004) | SOIL AND WASTE |
| SPECIFIC CONDUCTANCE | EPA 9050A (1996) | WHEATSTONE BRIDGE |
| SULFATE | EPA 9056A (2007) | ION CHROMATOGRAPHY |

INORGANIC - MISCELLANEOUS

| | | |
|--------------------------------|------------------|--|
| BROMIDE | EPA 9056A (2007) | ION CHROMATOGRAPHY |
| CYANIDE DISTILLATION | EPA 9010C (2004) | DISTILLATION FOR TOTAL & AMENABLE CYANIDE |
| CYANIDE, AMEN. TO CHLORINATION | EPA 9014 (2014) | TITRIMETRIC & MANUAL SPECTROPHOTOMETRIC |
| CYANIDE, TOTAL | EPA 9014 (2014) | TITRIMETRIC & MANUAL SPECTROPHOTOMETRIC |
| OIL & GREASE | EPA 9070A (1999) | HEM/SGT-HEM |
| PAINT FILTER LIQUIDS TEST | EPA 9095B (2004) | FILTRATION |
| PHENOLICS, TOTAL RECOVERABLE | EPA 9065 (1986) | SPECTROPHOTOMETRIC (MANUAL 4AAP WITH DISTILLATION) |

INORGANIC - NUTRIENT

| | | |
|------------------|------------------|-------------------------|
| NITRATE-NITROGEN | EPA 9056A (2007) | ION CHROMATOGRAPHY |
| NITRATE-NITROGEN | EPA 9210A (2007) | ION SELECTIVE ELECTRODE |
| NITRITE-NITROGEN | EPA 9056A (2007) | ION CHROMATOGRAPHY |

INORGANIC - TRACE METAL

| | | |
|----------|------------------|---------|
| ALUMINUM | EPA 6010D (2018) | ICP/AES |
| ALUMINUM | EPA 6020B (2014) | ICP/MS |
| ANTIMONY | EPA 6010D (2018) | ICP/AES |
| ANTIMONY | EPA 6020B (2014) | ICP/MS |
| ARSENIC | EPA 6010D (2018) | ICP/AES |

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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

| | | |
|----------------------|------------------|--|
| ARSENIC | EPA 6020B (2014) | ICP/MS |
| BARIUM | EPA 6010D (2018) | ICP/AES |
| BARIUM | EPA 6020B (2014) | ICP/MS |
| BERYLLIUM | EPA 6010D (2018) | ICP/AES |
| BERYLLIUM | EPA 6020B (2014) | ICP/MS |
| BORON | EPA 6010D (2018) | ICP/AES |
| CADMIUM | EPA 6010D (2018) | ICP/AES |
| CADMIUM | EPA 6020B (2014) | ICP/MS |
| CALCIUM | EPA 6010D (2018) | ICP/AES |
| CHROMIUM | EPA 6010D (2018) | ICP/AES |
| CHROMIUM | EPA 6020B (2014) | ICP/MS |
| CHROMIUM, HEXAVALENT | EPA 7196A (1992) | COLORIMETRIC |
| COBALT | EPA 6010D (2018) | ICP/AES |
| COBALT | EPA 6020B (2014) | ICP/MS |
| COPPER | EPA 6010D (2018) | ICP/AES |
| COPPER | EPA 6020B (2014) | ICP/MS |
| IRON | EPA 6010D (2018) | ICP/AES |
| IRON | EPA 6020B (2014) | ICP/MS |
| LEAD | EPA 6010D (2018) | ICP/AES |
| LEAD | EPA 6020B (2014) | ICP/MS |
| LITHIUM | EPA 6010D (2018) | ICP/AES |
| MAGNESIUM | EPA 6010D (2018) | ICP/AES |
| MAGNESIUM | EPA 6020B (2014) | ICP/MS |
| MANGANESE | EPA 6010D (2018) | ICP/AES |
| MANGANESE | EPA 6020B (2014) | ICP/MS |
| MERCURY | EPA 7470A (1994) | COLD VAPOR TECHNIQUE LIQUID |
| MERCURY | EPA 7471B (2007) | COLD VAPOR TECHNIQUE SOLID |
| METALS DIGESTION | EPA 3005A (1992) | AQUEOUS ACID DIGESTION TOTAL OR DISSOLVED METALS FLAA OR ICP |
| METALS DIGESTION | EPA 3050B (1996) | SOLID ACID DIGESTION |
| METALS DIGESTION | EPA 3060A (1996) | ALKALINE DIGESTION HEX CHROM |
| MOLYBDENUM | EPA 6010D (2018) | ICP/AES |
| MOLYBDENUM | EPA 6020B (2014) | ICP/MS |
| NICKEL | EPA 6010D (2018) | ICP/AES |
| NICKEL | EPA 6020B (2014) | ICP/MS |
| PHOSPHORUS | EPA 6010D (2018) | ICP/AES |
| POTASSIUM | EPA 6010D (2018) | ICP/AES |
| POTASSIUM | EPA 6020B (2014) | ICP/MS |
| SELENIUM | EPA 6010D (2018) | ICP/AES |
| SELENIUM | EPA 6020B (2014) | ICP/MS |
| SILVER | EPA 6010D (2018) | ICP/AES |

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**Date of Issue: October 01, 2021
Expiration Date: July 01, 2022**

SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

| | | |
|-----------|------------------|---------|
| SILVER | EPA 6020B (2014) | ICP/MS |
| SODIUM | EPA 6010D (2018) | ICP/AES |
| SODIUM | EPA 6020B (2014) | ICP/MS |
| STRONTIUM | EPA 6010D (2018) | ICP/AES |
| THALLIUM | EPA 6010D (2018) | ICP/AES |
| THALLIUM | EPA 6020B (2014) | ICP/MS |
| TIN | EPA 6010D (2018) | ICP/AES |
| TITANIUM | EPA 6010D (2018) | ICP/AES |
| VANADIUM | EPA 6010D (2018) | ICP/AES |
| VANADIUM | EPA 6020B (2014) | ICP/MS |
| ZINC | EPA 6010D (2018) | ICP/AES |
| ZINC | EPA 6020B (2014) | ICP/MS |

PCBS AND PESTICIDES

| | | |
|---------------------------------|------------------|------------------|
| ORGANOCHLORINE PESTICIDES BY GC | EPA 8081B (2007) | EPA 3580A (1992) |
| ORGANOCHLORINE PESTICIDES BY GC | EPA 8081B (2007) | EPA 3550C (2007) |
| ORGANOCHLORINE PESTICIDES BY GC | EPA 8081B (2007) | EPA 3510C (1996) |
| POLYCHLORINATED BIPHENYLS BY GC | EPA 8082A (2007) | EPA 3580A (1992) |
| POLYCHLORINATED BIPHENYLS BY GC | EPA 8082A (2007) | EPA 3550C (2007) |
| POLYCHLORINATED BIPHENYLS BY GC | EPA 8082A (2007) | EPA 3510C (1996) |

SEMI-VOLATILES

| | | |
|--------------------------------|------------------|----------------------|
| SEMIVOLATILE ORGANICS BY GC/MS | EPA 8270E (2018) | EPA 3580A (1992) |
| SEMIVOLATILE ORGANICS BY GC/MS | EPA 8270E (2018) | EPA 3510C-RVE (1996) |
| SEMIVOLATILE ORGANICS BY GC/MS | EPA 8270E (2018) | EPA 3550C (2007) |
| SEMIVOLATILE ORGANICS BY GC/MS | EPA 8270E (2018) | EPA 3510C (1996) |

VOLATILES (VOCS)

| | | |
|--------------------------------------|------------------------|------------------|
| OXYGENATE VOLATILE ORGANICS BY GC/MS | EPA 8260D-OXY (2018) | EPA 5030B (1996) |
| VOLATILE ORGANICS BY GC/MS | EPA 8260D (2018) | EPA 3585 (1996) |
| VOLATILE ORGANICS BY GC/MS | EPA 8260D (2018) | EPA 5030B (1996) |
| VOLATILE ORGANICS BY GC/MS | EPA 8260D (2018) | EPA 5035 (1996) |
| VOLATILE ORGANICS BY GC/MS | EPA 8260D (SIM) (2018) | EPA 5030B (1996) |

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)
Certifying Authority: SC Date of Issue: October 01, 2021
Certificate Number: 23105001 Expiration Date: July 01, 2022

CLEAN WATER ACT

-----PCBS AND PESTICIDES-----

EPA 608.3 (2016)

4,4'-DDD
4,4'-DDE
4,4'-DDT
ALDRIN
ALPHA-BHC
BETA-BHC
CHLORDANE
DELTA-BHC
DIELDRIN
ENDOSULFAN I
ENDOSULFAN II
ENDOSULFAN SULFATE
ENDRIN
ENDRIN ALDEHYDE
GAMMA-BHC (LINDANE)
HEPTACHLOR
HEPTACHLOR EPOXIDE
METHOXYCHLOR
PCB-1016 (AROCLOR-1016)
PCB-1221 (AROCLOR-1221)
PCB-1232 (AROCLOR-1232)
PCB-1242 (AROCLOR-1242)
PCB-1248 (AROCLOR-1248)
PCB-1254 (AROCLOR-1254)
PCB-1260 (AROCLOR-1260)
TOXAPHENE

-----SEMI-VOLATILES-----

EPA 625.1 (2016)

1,2,4-TRICHLOROENZENE
2,3-DICHLOROANILINE
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)
2,6-DINITROTOLUENE (2,6-DNT)
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-METHYL-4,6-DINITROPHENOL
2-METHYLPHENOL
2-NITROPHENOL

EPA 625.1 (2016)

3,3-DICHLOROBENZIDINE
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROPHENOL
ACENAPHTHENE
ACENAPHTHYLENE
ACETOPHENONE
ALPHA-TERPINEOL
ANILINE
ANTHRACENE
BENZIDINE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE
BENZYL BUTYL PHTHALATE
BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
CARBAZOLE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIBENZO(A,H)ANTHRACENE
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
FLUORANTHENE
FLUORENE
HEXACHLOROENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
INDENO(1,2,3-CD)PYRENE
ISOPHORONE
N-DECANE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
N-OCTADECANE
NAPHTHALENE
NITROBENZENE (NB)
PENTACHLOROPHENOL

EPA 625.1 (2016)

PHENANTHRENE
PHENOL
PYRENE
PYRIDINE

EPA 625.1-RVE (2016)

1,2,4-TRICHLOROENZENE
2,3-DICHLOROANILINE
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)
2,6-DINITROTOLUENE (2,6-DNT)
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-METHYL-4,6-DINITROPHENOL
2-METHYLPHENOL
2-NITROPHENOL
3,3-DICHLOROBENZIDINE
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROPHENOL
ACENAPHTHENE
ACENAPHTHYLENE
ALPHA-TERPINEOL
ANILINE
ANTHRACENE
BENZIDINE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE
BENZYL BUTYL PHTHALATE
BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
CARBAZOLE
CHRYSENE
DI-N-BUTYL PHTHALATE

EPA 625.1-RVE (2016)

DI-N-OCTYL PHTHALATE
DIBENZO(A,H)ANTHRACENE
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
FLUORANTHENE
FLUORENE
HEXACHLOROENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
INDENO(1,2,3-CD)PYRENE
ISOPHORONE
N-DECANE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIMETHYLAMINE
N-OCTADECANE
NAPHTHALENE
NITROBENZENE (NB)
PENTACHLOROPHENOL
PHENANTHRENE
PHENOL
PYRENE
PYRIDINE

-----VOLATILES (VOCS)-----

EPA 624.1 (2016)

1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,2-DICHLOROENZENE
1,2-DICHLOROETHANE
1,2-DICHLOROPROPANE
1,3-DICHLOROENZENE
1,4-DICHLOROENZENE
2-CHLOROETHYL VINYL ETHER
ACROLEIN
ACRYLONITRILE
BENZENE
BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CARBON TETRACHLORIDE

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)

Certifying Authority: SC

Certificate Number: 23105001

Date of Issue: October 01, 2021

Expiration Date: July 01, 2022

CLEAN WATER ACT

-----VOLATILES (VOCS)-----

EPA 624.1 (2016)

CHLOROBENZENE
CHLORODIBROMOMETHANE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CIS-1,3-DICHLOROPROPENE
ETHYLBENZENE
METHYLENE CHLORIDE
TETRACHLOROETHENE
TOLUENE
TRANS-1,2-DICHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
TRICHLOROFLUOROMETHANE
VINYL CHLORIDE
XYLENE, TOTAL

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)

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Expiration Date: July 01, 2022

SAFE DRINKING WATER ACT

---SYNTHETIC ORGANIC COMPOUNDS
(SOCS)---

EPA 552.3 (2003)

BROMOCHLOROACETIC ACID
DIBROMOACETIC ACID
DICHLOROACETIC ACID
MONOBROMOACETIC ACID
MONOCHLOROACETIC ACID
TRICHLOROACETIC ACID

-----TRIHALOMETHANES-----

EPA 524.2 (1995)

BROMODICHLOROMETHANE
BROMOFORM
CHLORODIBROMOMETHANE
CHLOROFORM

-----VOLATILES (VOCS)-----

EPA 524.2 (1995)

1,1,1,2-TETRACHLOROETHANE
1,1,1-TRICHLOROETHANE
1,1,1,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,1-DICHLOROPROPENE
1,2,3-TRICHLOROBENZENE
1,2,3-TRICHLOROPROPANE
1,2,4-TRICHLOROBENZENE
1,2,4-TRIMETHYLBENZENE
1,2-DICHLOROBENZENE
1,2-DICHLOROETHANE
1,2-DICHLOROPROPANE
1,3,5-TRIMETHYLBENZENE
1,3-DICHLOROBENZENE
1,3-DICHLOROPROPANE
1,4-DICHLOROBENZENE
2,2-DICHLOROPROPANE
2-CHLOROTOLUENE
4-CHLOROTOLUENE
BENZENE
BROMOBENZENE
BROMOCHLOROMETHANE

EPA 524.2 (1995)

BROMOMETHANE
CARBON TETRACHLORIDE
CHLOROBENZENE
CHLOROETHANE
CHLOROMETHANE
CIS-1,2-DICHLOROETHENE
CIS-1,3-DICHLOROPROPENE
DIBROMOMETHANE
DICHLORODIFLUOROMETHANE
ETHYLBENZENE
HEXACHLOROBUTADIENE
ISOPROPYLBENZENE
METHYL TERT BUTYL ETHER (MTBE)
METHYLENE CHLORIDE
N-BUTYLBENZENE
N-PROPYLBENZENE
NAPHTHALENE
SEC-BUTYLBENZENE
STYRENE
TERT-BUTYLBENZENE
TETRACHLOROETHENE
TOLUENE
TRANS-1,2-DICHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
TRICHLOROFUOROMETHANE
VINYL CHLORIDE
XYLENE, TOTAL

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)

Certifying Authority: SC

Certificate Number: 23105001

Date of Issue: October 01, 2021

Expiration Date: July 01, 2022

SOLID & HAZARDOUS WASTES

-----HERBICIDES-----

EPA 8151A (1996)

2,4,5-T
2,4,5-TP (SILVEX)
2,4-D

-----PCBS AND PESTICIDES-----

EPA 8081B (2007)
EPA 3510C (1996)

4,4'-DDD
4,4'-DDE
4,4'-DDT
ALDRIN
ALPHA-BHC
BETA-BHC
CHLORDANE
DELTA-BHC
DIELDRIN
ENDOSULFAN I
ENDOSULFAN II
ENDOSULFAN SULFATE
ENDRIN
ENDRIN ALDEHYDE
GAMMA-BHC (LINDANE)
HEPTACHLOR
HEPTACHLOR EPOXIDE
METHOXYCHLOR
TOXAPHENE

EPA 8081B (2007)
EPA 3550C (2007)

4,4'-DDD
4,4'-DDE
4,4'-DDT
ALDRIN
ALPHA-BHC
BETA-BHC
CHLORDANE
DELTA-BHC
DIELDRIN
ENDOSULFAN I
ENDOSULFAN II
ENDOSULFAN SULFATE

EPA 8081B (2007)
EPA 3550C (2007)

ENDRIN
ENDRIN ALDEHYDE
GAMMA-BHC (LINDANE)
HEPTACHLOR
HEPTACHLOR EPOXIDE
METHOXYCHLOR
TOXAPHENE

EPA 8081B (2007)
EPA 3580A (1992)

4,4'-DDD
4,4'-DDE
4,4'-DDT
ALDRIN
ALPHA-BHC
BETA-BHC
CHLORDANE
DELTA-BHC
DIELDRIN
ENDOSULFAN I
ENDOSULFAN II
ENDOSULFAN SULFATE
ENDRIN
ENDRIN ALDEHYDE
GAMMA-BHC (LINDANE)
HEPTACHLOR
HEPTACHLOR EPOXIDE
METHOXYCHLOR
TOXAPHENE

EPA 8082A (2007)
EPA 3510C (1996)

PCB-1016 (AROCLOR-1016)
PCB-1221 (AROCLOR-1221)
PCB-1232 (AROCLOR-1232)
PCB-1242 (AROCLOR-1242)
PCB-1248 (AROCLOR-1248)
PCB-1254 (AROCLOR-1254)
PCB-1260 (AROCLOR-1260)

EPA 8082A (2007)
EPA 3550C (2007)

PCB-1016 (AROCLOR-1016)
PCB-1221 (AROCLOR-1221)
PCB-1232 (AROCLOR-1232)
PCB-1242 (AROCLOR-1242)
PCB-1248 (AROCLOR-1248)
PCB-1254 (AROCLOR-1254)
PCB-1260 (AROCLOR-1260)

EPA 8082A (2007)
EPA 3580A (1992)

PCB-1016 (AROCLOR-1016)
PCB-1221 (AROCLOR-1221)
PCB-1232 (AROCLOR-1232)
PCB-1242 (AROCLOR-1242)
PCB-1248 (AROCLOR-1248)
PCB-1254 (AROCLOR-1254)
PCB-1260 (AROCLOR-1260)

-----SEMI-VOLATILES-----

EPA 8270E (2018)
EPA 3510C (1996)

1,1'-BIPHENYL
1,2,4,5-TETRACHLORO BENZENE
1,2,4-TRICHLORO BENZENE
1,2-DICHLORO BENZENE
1,2-DIPHENYLHYDRAZINE
1,3,5-TRINITROBENZENE (1,3,5-TNB)
1,3-DICHLORO BENZENE
1,3-DINITROBENZENE (1,3-DNB)
1,4-DICHLORO BENZENE
1,4-NAPHTHOQUINONE
1-NAPHTHYLAMINE
2,3,4,6-TETRACHLOROPHENOL
2,4,5-TRICHLOROPHENOL
2,4,6-TRIBROMOPHENOL
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)
2,6-DICHLOROPHENOL
2,6-DINITROTOLUENE (2,6-DNT)

EPA 8270E (2018)
EPA 3510C (1996)

2-ACETYLAMINOFLUORENE
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-FLUOROBIPHENYL
2-FLUOROPHENOL
2-METHYL-5-NITROANILINE
2-METHYLNAPHTHALENE
2-METHYLPHENOL
2-NAPHTHYLAMINE
2-NITROANILINE
2-NITROPHENOL
2-PICOLINE (2-METHYLPYRIDINE)
3,3-DICHLORO BENZIDINE
3,3-DIMETHYL BENZIDINE
3-METHYLCHOLANTHRENE
3-METHYLPHENOL
3-NITROANILINE
4,6-DINITRO-2-METHYLPHENOL
4-AMINO BIPHENYL
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROANILINE
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROANILINE
4-NITROPHENOL
4-NITROQUINOLINE-1-OXIDE
5-CHLORO-2-METHYLANILINE
5-NITRO-O-TOLUIDINE
7,12-DIMETHYLBENZ(A)ANTHRACENE
A,A-DIMETHYLPHENETHYLAMINE
ACENAPHTHENE
ACENAPHTHYLENE
ACETOPHENONE
ANILINE
ANTHRACENE
ARAMITE
ATRAZINE
BENZALDEHYDE
BENZIDINE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)

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SOLID & HAZARDOUS WASTES

-----SEMI-VOLATILES-----

EPA 8270E (2018)
EPA 3510C (1996)

BENZOIC ACID
BENZYL ALCOHOL
BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
BUTYL BENZYL PHTHALATE
CARBAZOLE
CHLOROBENZILATE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIALATE
DIBENZO(A,H)ANTHRACENE
DIBENZOFURAN
DIETHYL PHTHALATE
DIMETHOATE
DIMETHYL PHTHALATE
DIMETHYLAMINOAZOBENZENE
DINOSEB
DIPHENYLAMINE
DISULFOTON
ETHYL METHANESULFONATE
FAMPHUR
FLUORANTHENE
FLUORENE
HEXACHLOROENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
HEXACHLOROPROPENE
INDENO(1,2,3-CD)PYRENE
ISODRIN
ISOPHORONE
ISOSAFROLE
KEPONE
METHAPYRILENE
METHYL METHANESULFONATE
METHYL PARATHION
N-NITROSODI-N-BUTYLAMINE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIETHYLAMINE
N-NITROSODIMETHYLAMINE

EPA 8270E (2018)
EPA 3510C (1996)

N-NITROSODIPHENYLAMINE
N-NITROSOMETHYLETHYLAMINE
N-NITROSOMORPHOLINE
N-NITROSOPIPERIDINE
N-NITROSOPYRROLIDINE
NAPHTHALENE
NITROBENZENE (NB)
O,O,O-TRIETHYLPHOSPHOROTHIOATE
O-TOLUIDINE
PARATHION
PENTACHLOROENZENE
PENTACHLORONITROBENZENE
PENTACHLOROPHENOL
PHENACETIN
PHENANTHRENE
PHENOL
PHORATE
PRONAMIDE
PYRENE
PYRIDINE
SAFROLE
TETRAETHYL DITHIOPYROPHOSPHATE
THIONAZIN

EPA 8270E (2018)
EPA 3510C-RVE (1996)

1,1'-BIPHENYL
1,2,4,5-TETRACHLOROENZENE
1,2,4-TRICHLOROENZENE
1,2-DICHLOROENZENE
1,2-DINITROENZENE
1,3,5-TRINITROENZENE (1,3,5-TNB)
1,3-DICHLOROENZENE
1,3-DINITROENZENE (1,3-DNB)
1,4-DICHLOROENZENE
1,4-DINITROENZENE
1,4-NAPHTHOQUINONE
1-NAPHTHYLAMINE
2,3,4,6-TETRACHLOROPHENOL
2,4,5-TRICHLOROPHENOL
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL

EPA 8270E (2018)
EPA 3510C-RVE (1996)

2,4-DINITROTOLUENE (2,4-DNT)
2,6-DICHLOROPHENOL
2,6-DINITROTOLUENE (2,6-DNT)
2-ACETYLAMINOFLUORENE
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-METHYLNAPHTHALENE
2-METHYLPHENOL
2-NAPHTHYLAMINE
2-NITROANILINE
2-NITROPHENOL
2-PICOLINE (2-METHYLPYRIDINE)
3,3-DICHLOROENZIDINE
3,3-DIMETHYLBENZIDINE
3-METHYLCHOLANTHRENE
3-METHYLPHENOL
3-NITROANILINE
4,6-DINITRO-2-METHYLPHENOL
4-AMINOBIHENYL
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROANILINE
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROANILINE
4-NITROPHENOL
4-NITROQUINOLINE-1-OXIDE
5-CHLORO-2-METHYLANILINE
5-NITRO-O-TOLUIDINE
7,12-DIMETHYLBENZ(A)ANTHRACENE
A,A-DIMETHYLPHENETHYLAMINE
ACENAPHTHENE
ACENAPHTHYLENE
ACETOPHENONE
ANILINE
ANTHRACENE
ARAMITE
ATRAZINE
BENZALDEHYDE
BENZIDINE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE

EPA 8270E (2018)
EPA 3510C-RVE (1996)

BENZOIC ACID
BENZYL ALCOHOL
BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
BUTYL BENZYL PHTHALATE
CARBAZOLE
CHLOROBENZILATE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIALATE
DIBENZO(A,H)ANTHRACENE
DIBENZOFURAN
DIETHYL PHTHALATE
DIMETHOATE
DIMETHYL PHTHALATE
DIMETHYLAMINOAZOBENZENE
DINOSEB
DIPHENYLAMINE
DISULFOTON
ETHYL METHANESULFONATE
FAMPHUR
FLUORANTHENE
FLUORENE
HEXACHLOROENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
HEXACHLOROPROPENE
INDENO(1,2,3-CD)PYRENE
ISODRIN
ISOPHORONE
ISOSAFROLE
KEPONE
METHAPYRILENE
METHYL METHANESULFONATE
METHYL PARATHION
N-NITROSODI-N-BUTYLAMINE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIETHYLAMINE
N-NITROSODIMETHYLAMINE
N-NITROSOMETHYLETHYLAMINE
N-NITROSOMORPHOLINE

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM

ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)

Certifying Authority: SC

Certificate Number: 23105001

Date of Issue: October 01, 2021

Expiration Date: July 01, 2022

SOLID & HAZARDOUS WASTES

-----SEMI-VOLATILES-----

EPA 8270E (2018)
EPA 3510C-RVE (1996)

N-NITROSOPIPERIDINE
N-NITROSOPYRROLIDINE
NAPHTHALENE
NITROBENZENE (NB)
O,O,O-TRIETHYLPHOSPHOROTHIOATE
O-TOLUIDINE
PARATHION
PENTACHLORO BENZENE
PENTACHLORONITROBENZENE
PENTACHLOROPHENOL
PHENACETIN
PHENANTHRENE
PHENOL
PHORATE
PRONAMIDE
PYRENE
PYRIDINE
SAFROLE
SULFOTEP
THIONAZIN

EPA 8270E (2018)
EPA 3550C (2007)

1,1'-BIPHENYL
1,2,4,5-TETRACHLORO BENZENE
1,2,4-TRICHLORO BENZENE
1,2-DICHLORO BENZENE
1,2-DIPHENYLHYDRAZINE
1,3,5-TRINITROBENZENE (1,3,5-TNB)
1,3-DICHLORO BENZENE
1,3-DINITROBENZENE (1,3-DNB)
1,4-DICHLORO BENZENE
1,4-NAPHTHOQUINONE
1-NAPHTHYLAMINE
2,3,4,6-TETRACHLOROPHENOL
2,4,5-TRICHLOROPHENOL
2,4,6-TRIBROMOPHENOL
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)

EPA 8270E (2018)
EPA 3550C (2007)

2,6-DICHLOROPHENOL
2,6-DINITROTOLUENE (2,6-DNT)
2-ACETYLAMINOFLUORENE
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-FLUOROBIPHENYL
2-FLUOROPHENOL
2-METHYL-5-NITROANILINE
2-METHYLNAPHTHALENE
2-METHYLPHENOL
2-NAPHTHYLAMINE
2-NITROANILINE
2-NITROPHENOL
2-PICOLINE (2-METHYLPYRIDINE)
3,3-DICHLORO BENZIDINE
3,3-DIMETHYLBENZIDINE
3-METHYLCHOLANTHRENE
3-METHYLPHENOL
3-NITROANILINE
4,6-DINITRO-2-METHYLPHENOL
4-AMINO BIPHENYL
4-BROMOPHENYLPHENYL ETHER
4-CHLORO-3-METHYLPHENOL
4-CHLOROANILINE
4-CHLOROPHENYL PHENYL ETHER
4-METHYLPHENOL
4-NITROANILINE
4-NITROPHENOL
4-NITROQUINOLINE-1-OXIDE
5-NITRO-O-TOLUIDINE
7,12-DIMETHYLBENZ(A)ANTHRACENE
A,A-DIMETHYLPHENETHYLAMINE
ACENAPHTHENE
ACENAPHTHYLENE
ACETOPHENONE
ANILINE
ANTHRACENE
ATRAZINE
BENZALDEHYDE
BENZO(A)ANTHRACENE
BENZO(A)PYRENE
BENZO(B)FLUORANTHENE
BENZO(G,H,I)PERYLENE
BENZO(K)FLUORANTHENE
BENZYL ALCOHOL

EPA 8270E (2018)
EPA 3550C (2007)

BIS(2-CHLORO-1-METHYLETHYL)ETHER
BIS(2-CHLOROETHOXY)METHANE
BIS(2-CHLOROETHYL)ETHER
BIS(2-ETHYLHEXYL)PHTHALATE
BUTYL BENZYL PHTHALATE
CAPROLACTAM
CARBAZOLE
CHLOROBENZILATE
CHRYSENE
DI-N-BUTYL PHTHALATE
DI-N-OCTYL PHTHALATE
DIALATE
DIBENZO(A,H)ANTHRACENE
DIBENZOFURAN
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
DIMETHYLAMINOAZOBENZENE
DINOSEB
DIPHENYLAMINE
ETHYL METHANESULFONATE
FLUORANTHENE
FLUORENE
HEXACHLORO BENZENE
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
HEXACHLOROETHANE
HEXACHLOROPROPENE
INDENO(1,2,3-CD)PYRENE
ISODRIN
ISOPHORONE
ISOSAFROLE
KEPONE
METHAPYRILENE
METHYL METHANESULFONATE
N-NITROSODI-N-BUTYLAMINE
N-NITROSODI-N-PROPYLAMINE
N-NITROSODIETHYLAMINE
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
N-NITROSOMETHYLETHYLAMINE
N-NITROSOMORPHOLINE
N-NITROSOPIPERIDINE
N-NITROSOPYRROLIDINE
NAPHTHALENE
NITROBENZENE (NB)

EPA 8270E (2018)
EPA 3550C (2007)

O-TOLUIDINE
PENTACHLORO BENZENE
PENTACHLORONITROBENZENE
PENTACHLOROPHENOL
PHENACETIN
PHENANTHRENE
PHENOL
PRONAMIDE
PYRENE
PYRIDINE
SAFROLE
TETRAETHYL DITHIOPYROPHOSPHATE

EPA 8270E (2018)
EPA 3580A (1992)

1,2,4,5-TETRACHLORO BENZENE
1,2,4-TRICHLORO BENZENE
1,2-DICHLORO BENZENE
1,2-DIPHENYLHYDRAZINE
1,3,5-TRINITROBENZENE (1,3,5-TNB)
1,3-DICHLORO BENZENE
1,3-DINITROBENZENE (1,3-DNB)
1,4-DICHLORO BENZENE
1,4-NAPHTHOQUINONE
1-NAPHTHYLAMINE
2,3,4,6-TETRACHLOROPHENOL
2,4,5-TRICHLOROPHENOL
2,4,6-TRIBROMOPHENOL
2,4,6-TRICHLOROPHENOL
2,4-DICHLOROPHENOL
2,4-DIMETHYLPHENOL
2,4-DINITROPHENOL
2,4-DINITROTOLUENE (2,4-DNT)
2,6-DICHLOROPHENOL
2,6-DINITROTOLUENE (2,6-DNT)
2-ACETYLAMINOFLUORENE
2-CHLORONAPHTHALENE
2-CHLOROPHENOL
2-FLUOROBIPHENYL
2-FLUOROPHENOL
2-METHYL-5-NITROANILINE
2-METHYLNAPHTHALENE
2-METHYLPHENOL
2-NAPHTHYLAMINE

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
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ROGERS & CALLCOTT ENGINEERS INC (Laboratory ID 23105)
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SOLID & HAZARDOUS WASTES

| -----SEMI-VOLATILES----- | EPA 8270E (2018) EPA 3580A (1992) | EPA 8270E (2018) EPA 3580A (1992) | EPA 8260D (2018) EPA 3585 (1996) |
|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|
| EPA 8270E (2018) EPA 3580A (1992) | DIBENZOFURAN | PHORATE | ALLYL CHLORIDE |
| 2-NITROANILINE | DIETHYL PHTHALATE | PRONAMIDE | BENZENE |
| 2-NITROPHENOL | DIMETHOATE | PYRENE | BROMOBENZENE |
| 2-PICOLINE (2-METHYLPYRIDINE) | DIMETHYL PHTHALATE | PYRIDINE | BROMOCHLOROMETHANE |
| 3,3-DICHLOROBENZIDINE | DIMETHYLAMINOAZOBENZENE | SAFROLE | BROMODICHLOROMETHANE |
| 3,3-DIMETHYLBENZIDINE | DINOSEB | TETRAETHYL DITHIOPYROPHOSPHATE | BROMOFORM |
| 3-METHYLCHOLANTHRENE | DIPHENYLAMINE | THIONAZIN | BROMOMETHANE |
| 3-METHYLPHENOL | DISULFOTON | -----VOLATILES (VOCS)----- | CARBON DISULFIDE |
| 3-NITROANILINE | ETHYL METHANESULFONATE | EPA 8260D (2018) | CARBON TETRACHLORIDE |
| 4,6-DINITRO-2-METHYLPHENOL | FAMPHUR | EPA 3585 (1996) | CHLORO BENZENE |
| 4-AMINOBIHENYL | FLUORANTHENE | | CHLORODIBROMOMETHANE |
| 4-BROMOPHENYLPHENYL ETHER | FLUORENE | | CHLOROETHANE |
| 4-CHLORO-3-METHYLPHENOL | HEXACHLOROBENZENE | | CHLOROFORM |
| 4-CHLOROANILINE | HEXACHLOROBUTADIENE | 1,1,1,2-TETRACHLOROETHANE | CHLOROMETHANE |
| 4-CHLOROPHENYL PHENYL ETHER | HEXACHLOROCYCLOPENTADIENE | 1,1,1-TRICHLOROETHANE | CHLOROPRENE |
| 4-METHYLPHENOL | HEXACHLOROETHANE | 1,1,2,2-TETRACHLOROETHANE | CIS-1,2-DICHLOROETHENE |
| 4-NITROANILINE | HEXACHLOROPROPENE | 1,1,2-TRICHLOROETHANE | CIS-1,3-DICHLOROPROPENE |
| 4-NITROPHENOL | INDENO(1,2,3-CD)PYRENE | 1,1-DICHLOROETHANE | DIBROMOMETHANE |
| 4-NITROQUINOLINE-1-OXIDE | ISODRIN | 1,1-DICHLOROETHENE | DICHLORODIFLUOROMETHANE |
| 5-NITRO-O-TOLUIDINE | ISOPHORONE | 1,1-DICHLOROPROPENE | ETHYL METHACRYLATE |
| 7,12-DIMETHYLBENZ(A)ANTHRACENE | ISOSAFROLE | 1,2,3-TRICHLOROBENZENE | ETHYLBENZENE |
| A,A-DIMETHYLPHENETHYLAMINE | KEPONE | 1,2,3-TRICHLOROPROPANE | HEXACHLOROBUTADIENE |
| ACENAPHTHENE | METHAPYRILENE | 1,2,4-TRICHLOROBENZENE | IODOMETHANE |
| ACENAPHTHYLENE | METHYL METHANESULFONATE | 1,2,4-TRIMETHYLBENZENE | ISOBUTYL ALCOHOL |
| ACETOPHENONE | METHYL PARATHION | 1,2-DIBROMO-3-CHLOROPROPANE(DBCP) | ISOPROPYLBENZENE |
| ANILINE | N-NITROSODI-N-BUTYLAMINE | 1,2-DIBROMOETHANE (EDB) | METHACRYLONITRILE |
| ANTHRACENE | N-NITROSODI-N-PROPYLAMINE | 1,2-DICHLOROBENZENE | METHYL ETHYL KETONE (MEK) |
| BENZO(A)ANTHRACENE | N-NITROSODIETHYLAMINE | 1,2-DICHLOROETHANE | METHYL METHACRYLATE |
| BENZO(A)PYRENE | N-NITROSODIMETHYLAMINE | 1,2-DICHLOROPROPANE | METHYL TERT BUTYL ETHER (MTBE) |
| BENZO(B)FLUORANTHENE | N-NITROSODIPHENYLAMINE | 1,3,5-TRIMETHYLBENZENE | METHYLENE CHLORIDE |
| BENZO(G,H,I)PERYLENE | N-NITROSOMETHYLETHYLAMINE | 1,3-DICHLOROBENZENE | N-BUTYLBENZENE |
| BENZO(K)FLUORANTHENE | N-NITROSOMORPHOLINE | 1,3-DICHLOROPROPANE | N-PROPYLBENZENE |
| BENZYL ALCOHOL | N-NITROSOPYRIDINE | 1,4-DICHLOROBENZENE | NAPHTHALENE |
| BIS(2-CHLORO-1-METHYLETHYL)ETHER | N-NITROSOPYRROLIDINE | 1,4-DIOXANE | P-ISOPROPYLTOLUENE |
| BIS(2-CHLOROETHOXY)METHANE | NAPHTHALENE | 2,2-DICHLOROPROPANE | PENTACHLOROETHANE |
| BIS(2-CHLOROETHYL)ETHER | NITROBENZENE (NB) | 2-CHLOROETHYL VINYL ETHER | PROPIONITRILE |
| BIS(2-ETHYLHEXYL)PHTHALATE | O,O,O-TRIETHYLPHOSPHOROTHIOATE | 2-CHLOROTOLUENE | SEC-BUTYLBENZENE |
| BUTYL BENZYL PHTHALATE | O-TOLUIDINE | 2-HEXANONE | STYRENE |
| CHLOROBENZILATE | PARATHION | 4-BROMOFLUOROBENZENE | TERT-BUTYLBENZENE |
| CHRYSENE | PENTACHLOROBENZENE | 4-CHLOROTOLUENE | TETRACHLOROETHENE |
| DI-N-BUTYL PHTHALATE | PENTACHLORONITROBENZENE | 4-METHYL-2-PENTANONE | TOLUENE |
| DI-N-OCTYL PHTHALATE | PENTACHLOROPHENOL | ACETONE | TRANS-1,2-DICHLOROETHENE |
| DIALATE | PHENACETIN | ACETONITRILE | TRANS-1,3-DICHLOROPROPENE |
| DIBENZO(A,H)ANTHRACENE | PHENANTHRENE | ACROLEIN | TRANS-1,4-DICHLORO-2-BUTENE |
| | PHENOL | ACRYLONITRILE | TRICHLOROETHENE |

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
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SOLID & HAZARDOUS WASTES

-----VOLATILES (VOCS)-----

EPA 8260D (2018)
EPA 3585 (1996)

TRICHLOROFLUOROMETHANE
VINYL ACETATE
VINYL CHLORIDE
XYLENE, TOTAL

EPA 8260D (2018)
EPA 5030B (1996)

1,1,1,2-TETRACHLOROETHANE
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,1-DICHLOROPROPENE
1,2,3-TRICHLOROBENZENE
1,2,3-TRICHLOROPROPANE
1,2,4-TRICHLOROBENZENE
1,2,4-TRIMETHYLBENZENE
1,2-DIBROMO-3-CHLOROPROPANE(DBCP)
1,2-DIBROMOETHANE (EDB)
1,2-DICHLOROBENZENE
1,2-DICHLOROETHANE
1,2-DICHLOROPROPANE
1,3,5-TRIMETHYLBENZENE
1,3-DICHLOROBENZENE
1,3-DICHLOROPROPANE
1,4-DICHLOROBENZENE
1,4-DIOXANE
2,2-DICHLOROPROPANE
2-CHLOROETHYL VINYL ETHER
2-CHLOROTOLUENE
2-HEXANONE
4-BROMOFLUOROBENZENE
4-CHLOROTOLUENE
4-METHYL-2-PENTANONE
ACETONE
ACETONITRILE
ACROLEIN
ACRYLONITRILE
ALLYL CHLORIDE
BENZENE

EPA 8260D (2018)
EPA 5030B (1996)

BROMOBENZENE
BROMOCHLOROMETHANE
BROMODICHLOROMETHANE
BROMOFORM
BROMOMETHANE
CARBON DISULFIDE
CARBON TETRACHLORIDE
CHLOROBENZENE
CHLORODIBROMOMETHANE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CHLOROPRENE
CIS-1,2-DICHLOROETHENE
CIS-1,3-DICHLOROPROPENE
CYCLOHEXANE
DIBROMOMETHANE
DICHLORODIFLUOROMETHANE
ETHYL METHACRYLATE
ETHYLBENZENE
HEXACHLOROBUTADIENE
IODOMETHANE
ISOBUTYL ALCOHOL
ISOPROPYL ALCOHOL
ISOPROPYLBENZENE
METHACRYLONITRILE
METHYL ACETATE
METHYL ETHYL KETONE (MEK)
METHYL METHACRYLATE
METHYL TERT BUTYL ETHER (MTBE)
METHYLCYCLOHEXANE
METHYLENE CHLORIDE
N-BUTYLBENZENE
N-PROPYLBENZENE
NAPHTHALENE
P-ISOPROPYLTOLUENE
PENTACHLOROETHANE
PROPIONITRILE
SEC-BUTYLBENZENE
STYRENE
TERT-BUTYLBENZENE
TETRACHLOROETHENE
TOLUENE
TRANS-1,2-DICHLOROETHENE
TRANS-1,3-DICHLOROPROPENE

EPA 8260D (2018)
EPA 5030B (1996)

TRANS-1,4-DICHLORO-2-BUTENE
TRICHLOROETHENE
TRICHLOROFLUOROMETHANE
VINYL ACETATE
VINYL CHLORIDE
XYLENE, TOTAL

EPA 8260D (2018)
EPA 5035 (1996)

1,1,1,2-TETRACHLOROETHANE
1,1,1-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1-DICHLOROETHANE
1,1-DICHLOROETHENE
1,1-DICHLOROPROPENE
1,2,3-TRICHLOROBENZENE
1,2,3-TRICHLOROPROPANE
1,2,4-TRICHLOROBENZENE
1,2,4-TRIMETHYLBENZENE
1,2-DIBROMO-3-CHLOROPROPANE(DBCP)
1,2-DIBROMOETHANE (EDB)
1,2-DICHLOROBENZENE
1,2-DICHLOROETHANE
1,2-DICHLOROPROPANE
1,3,5-TRIMETHYLBENZENE
1,3-DICHLOROBENZENE
1,3-DICHLOROPROPANE
1,4-DICHLOROBENZENE
1,4-DIOXANE
2,2-DICHLOROPROPANE
2-CHLOROTOLUENE
2-HEXANONE
4-CHLOROTOLUENE
4-METHYL-2-PENTANONE
ACETONE
ACETONITRILE
ACROLEIN
ACRYLONITRILE
ALLYL CHLORIDE
BENZENE
BROMOBENZENE
BROMOCHLOROMETHANE
BROMODICHLOROMETHANE

EPA 8260D (2018)
EPA 5035 (1996)

BROMOFORM
BROMOMETHANE
CARBON DISULFIDE
CARBON TETRACHLORIDE
CHLOROBENZENE
CHLORODIBROMOMETHANE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CHLOROPRENE
CIS-1,2-DICHLOROETHENE
CIS-1,3-DICHLOROPROPENE
CYCLOHEXANE
DIBROMOMETHANE
DICHLORODIFLUOROMETHANE
ETHYL METHACRYLATE
ETHYLBENZENE
HEXACHLOROBUTADIENE
IODOMETHANE
ISOBUTYL ALCOHOL
ISOPROPYLBENZENE
METHACRYLONITRILE
METHYL ACETATE
METHYL ETHYL KETONE (MEK)
METHYL METHACRYLATE
METHYL TERT BUTYL ETHER (MTBE)
METHYLCYCLOHEXANE
METHYLENE CHLORIDE
N-BUTYLBENZENE
N-PROPYLBENZENE
NAPHTHALENE
PENTACHLOROETHANE
PROPIONITRILE
SEC-BUTYLBENZENE
STYRENE
TERT-BUTYLBENZENE
TETRACHLOROETHENE
TOLUENE
TRANS-1,2-DICHLOROETHENE
TRANS-1,3-DICHLOROPROPENE
TRICHLOROETHENE
TRICHLOROFLUOROMETHANE
VINYL ACETATE
VINYL CHLORIDE
XYLENE, TOTAL

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SOLID & HAZARDOUS WASTES

-----VOLATILES (VOCS)-----

EPA 8260D (SIM) (2018)
EPA 5030B (1996)

1,4-DIOXANE

EPA 8260D-OXY (2018)
EPA 5030B (1996)

3,3-DIMETHYL-1-BUTANOL

DIISOPROPYL ETHER

ETHANOL

ETHYL TERT BUTYL ETHER

T-AMYL ALCOHOL

T-AMYL METHYL ETHER

T-BUTYL ALCOHOL

T-BUTYL FORMATE

