

*State of New Hampshire
Environmental Laboratory Accreditation Program*

*Awards
SECONDARY ACCREDITATION
to*

MICROBAC NEW YORK (CORTLAND)

of

CORTLAND, NY

For the analytes listed on the attached page(s) in accordance
with the provisions on the NELAC Standards and Env-C 300.

Certificate Number: 298511

Effective Date: September 25, 2011

Expiration Date: September 24, 2011

Laboratory ID: 2985



NELAP RECOGNIZED

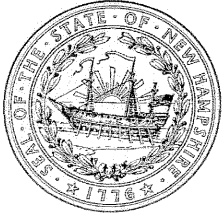
A handwritten signature in cursive script, appearing to read "Bill Hall".

Bill Hall
NH ELAP Program Manager

Method accreditation does not imply acceptance for NHDES compliance testing. Laboratory is required to use EPA-approved methods where required by regulation. Continuing accreditation status is dependent on successful ongoing participation in the program. Customers may verify the lab's current accreditation status by calling (603) 271-2998.

NEW HAMPSHIRE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

29 Hazen Drive, PO Box 95, Concord, NH 03302 (603) 271-2998



SECONDARY ACCREDITATION PARAMETER LIST
ANALYTE LIST NUMBER: 298511-A



NELAP RECOGNIZED

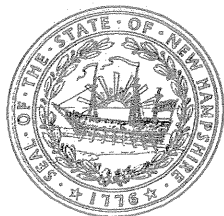
MICROBAC NEW YORK (CORTLAND)
3821 BUCK DRIVE
CORTLAND NY 13045
(607) 753-3403
Lab ID 2985

| Method Code | Method Reference | Revision | Revision Date | | Matrix | Accr. |
|--------------|-------------------------------|----------|----------------|-----------------|--------|--------|
| Analyte Code | Analyte Name | | Effective Date | Expiration Date | Code | Type |
| 20180807 | SM 9215 B (PCA) | 18th ED | 1992 | | | |
| 2555 | HETEROTROPHIC PLATE COUNT | | Sep 25, 2008 | Sep 24, 2012 | D | MIC NE |
| 20202806 | SM 9222 B (M-ENDO) | 18th ED | 1992 | | | |
| 2500 | TOTAL COLIFORMS | | Sep 25, 2008 | Sep 24, 2012 | D | MIC NE |
| 20211807 | SM 9223 B (COLILERT) | 18th ED | 1992 | | | |
| 2500 | TOTAL COLIFORMS | | Sep 25, 2010 | Sep 24, 2012 | D | MIC NE |
| 20227401 | SM 9222 B (M-ENDO) + (EC MUG) | 18th ED | 1992 | | | |
| 2525 | ESCHERICHIA COLI | | Sep 25, 2008 | Sep 24, 2012 | D | MIC NE |
| 10053200 | EPA 300.0 | 2.1 | 1993 | | | |
| 1540 | BROMIDE | | Sep 25, 2010 | Sep 24, 2012 | D | NMI NE |
| 1575 | CHLORIDE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 1730 | FLUORIDE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 1805 | NITRATE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 2000 | SULFATE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20008804 | SM 3500-CA D | 18th ED | 1992 | | | |
| 1550 | HARDNESS, CALCIUM | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20020604 | SM 4500-CL G | 18th ED | 1992 | | | |
| 1945 | CHLORINE, RESIDUAL FREE | | Sep 25, 2010 | Sep 24, 2012 | D | NMI NE |
| 1940 | CHLORINE, RESIDUAL TOTAL | | Sep 25, 2010 | Sep 24, 2012 | D | NMI NE |
| 20043407 | SM 2150 B | 20th ED | 1998 | | | |
| 1855 | ODOR | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20045209 | SM 2320 B | 20th ED | 1998 | | | |
| 1505 | ALKALINITY | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20050004 | SM 2540 C | 20th ED | 1998 | | | |
| 1955 | RESIDUE, FILTERABLE (TDS) | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20052806 | SM 2550 B | 20th ED | 1998 | | | |
| 2030 | TEMPERATURE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20084804 | SM 4500-CL C | 20th ED | 1998 | | | |

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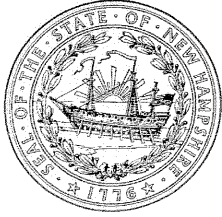
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|-----------------|-----------------------------|----------------|----------------|-----------------|--------|--------|
| Analyte Code | Analyte Name | | Effective Date | Expiration Date | Code | Type |
| 1575 | CHLORIDE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20104807 | SM 4500-H+ B | 20th ED | 1998 | | | |
| 1900 | HYDROGEN ION (PH) | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20112601 | SM 4500-NO2 B | 20th ED | 1998 | | | |
| 1840 | NITRITE AS N | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20123802 | SM 4500-P E | 20th ED | 1998 | | | |
| 1870 | ORTHOPHOSPHATE AS P | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20132803 | SM 4500-SO4 E | 20th ED | 1998 | | | |
| 2000 | SULFATE | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20137400 | SM 5310 B | 20th ED | 1998 | | | |
| 2040 | TOTAL ORGANIC CARBON (TOC) | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 20224004 | SM 2120 B | 20th ED | 1998 | | | |
| 1605 | COLOR | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| NH0020 | LACHAT 10-107-04-1-C | | MAR-03 | | | |
| 1810 | NITRATE AS N | | Sep 25, 2009 | Sep 24, 2012 | D | NMI NE |
| 10088809 | EPA 524.2 | 4.1 | 1995 | | | |
| 5105 | 1,1,1,2-TETRACHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 5160 | 1,1,1-TRICHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 5110 | 1,1,2,2-TETRACHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 5165 | 1,1,2-TRICHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 4630 | 1,1-DICHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 4640 | 1,1-DICHLOROETHENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 4670 | 1,1-DICHLOROPROPENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 5150 | 1,2,3-TRICHLOROBENZENE | | Apr 22, 2010 | Sep 24, 2012 | D | VOC NE |
| 5155 | 1,2,4-TRICHLOROBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 5210 | 1,2,4-TRIMETHYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |
| 4610 | 1,2-DICHLOROBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC NE |

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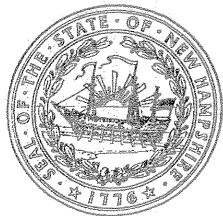
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|-----------------------------|---|----------|----------------|-----------------|----------------|-------------------|------|
| | | | Effective Date | Expiration Date | | | |
| 4635 | 1,2-DICHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4655 | 1,2-DICHLOROPROPANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5215 | 1,3,5-TRIMETHYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4615 | 1,3-DICHLOROBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4660 | 1,3-DICHLOROPROPANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4620 | 1,4-DICHLOROBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4665 | 2,2-DICHLOROPROPANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4535 | 2-CHLOROTOLUENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4540 | 4-CHLOROTOLUENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4910 | 4-ISOPROPYLTOLUENE (P-ISOPROPYLTOLUENE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4375 | BENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4385 | BROMOBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4390 | BROMOCHLOROMETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4395 | BROMODICHLOROMETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4400 | BROMOFORM | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4950 | BROMOMETHANE (METHYL BROMIDE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4455 | CARBON TETRACHLORIDE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4475 | CHLOROBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4485 | CHLOROETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4505 | CHLOROFORM | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4960 | CHLOROMETHANE (METHYL CHLORIDE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4645 | CIS-1,2-DICHLOROETHYLENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4680 | CIS-1,3-DICHLOROPROPENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4595 | DIBROMOMETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4625 | DICHLORODIFLUOROMETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |

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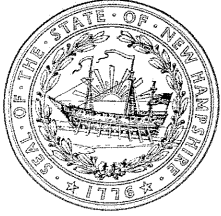
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| 4650 | DICHLOROMETHANE (METHYLENE CHLORIDE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4765 | ETHYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4835 | HEXACHLOROBUTADIENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4900 | ISOPROPYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5000 | METHYL TERT-BUTYL ETHER (MTBE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4435 | N-BUTYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5090 | N-PROPYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4440 | SEC-BUTYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5100 | STYRENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4445 | TERT-BUTYLBENZENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5115 | TETRACHLOROETHENE (PERCHLOROETHYLENE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5140 | TOLUENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5205 | TOTAL TRIHALOMETHANES | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4700 | TRANS-1,2-DICHLOROETHYLENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 4685 | TRANS-1,3-DICHLOROPROPENE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5170 | TRICHLOROETHENE (TRICHLOROETHYLENE) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5175 | TRICHLOROFLUOROMETHANE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5235 | VINYL CHLORIDE | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |
| 5260 | XYLENE (TOTAL) | | Sep 25, 2009 | Sep 24, 2012 | D | VOC | NE |

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Table header with columns: Method Code, Method Reference, Revision, Revision Date, Matrix, Accr., Analyte Code, Analyte Name, Effective Date, Expiration Date, Code, Category, Type

Handwritten signature of Bill Hall

Bill Hall
NH ELAP Program Manager
Issue Date: September 28, 2011

Matrix Legend: D=Drinking Water; N=Non-Potable Water; SC=Solid and Chemical Materials
Category Legend: MIC=Microbiology; MET=Metals; NMI=Non-Metal Inorganics; PRE=Preparation; VOC=Volatile Organic Compounds;
SBN=SVOC-BNA; SHE=SVOC-Herbicides; SNO=SVOC-NOS; SPC=SVOC-PCB; SPE=SVOC-Pesticides; RAD=Radiochemistry; WET=Wet
Accreditation Legend: NE=NELAP; NH=NH State Certification; CE=State Certification; IN=Interim (NELAP); WI=Withdrawn; AP=Applied;
RE=Revoked; SU=Suspended

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