

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA\_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.171 | 1.149  |            | -1.9  |       |
| Benzaldehyde                | 0.951 | 0.802  |            | -15.7 |       |
| Phenol-d6                   | 1.587 | 1.530  |            | -3.6  |       |
| Phenol                      | 1.674 | 1.580  |            | -5.6  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.268 | 1.238  |            | -2.4  |       |
| 2-Chlorophenol              | 1.258 | 1.242  |            | -1.3  |       |
| 2-Methylphenol              | 1.035 | 0.999  |            | -3.5  |       |
| 2,2-oxybis(1-Chloropropane) | 1.752 | 1.611  |            | -8.0  |       |
| Acetophenone                | 0.465 | 0.454  |            | -2.4  |       |
| 3+4-Methylphenols           | 1.295 | 1.228  |            | -5.2  |       |
| n-Nitroso-di-n-propylamine  | 0.959 | 0.896  | 0.050      | -6.6  |       |
| Nitrobenzene-d5             | 0.384 | 0.376  |            | -2.1  |       |
| Hexachloroethane            | 0.520 | 0.509  |            | -2.1  |       |
| Nitrobenzene                | 0.400 | 0.390  |            | -2.5  |       |
| Isophorone                  | 0.680 | 0.662  |            | -2.6  |       |
| 2-Nitrophenol               | 0.177 | 0.182  |            | 2.8   | 20.0  |
| 2,4-Dimethylphenol          | 0.227 | 0.228  |            | 0.4   |       |
| bis(2-Chloroethoxy)methane  | 0.417 | 0.412  |            | -1.2  |       |
| 2,4-Dichlorophenol          | 0.281 | 0.277  |            | -1.4  | 20.0  |
| Naphthalene                 | 1.015 | 1.001  |            | -1.4  |       |
| 4-Chloroaniline             | 0.353 | 0.308  |            | -12.7 |       |
| Hexachlorobutadiene         | 0.199 | 0.197  |            | -1.0  | 20.0  |
| Caprolactam                 | 0.093 | 0.096  |            | 3.2   |       |
| 4-Chloro-3-methylphenol     | 0.311 | 0.311  |            | 0.0   | 20.0  |
| 2-Methylnaphthalene         | 0.651 | 0.639  |            | -1.8  |       |
| Hexachlorocyclopentadiene   | 0.142 | 0.131  | 0.050      | -7.7  |       |
| 2,4,6-Trichlorophenol       | 0.363 | 0.356  |            | -1.9  | 20.0  |
| 2-Fluorobiphenyl            | 1.244 | 1.185  |            | -4.7  |       |
| 2,4,5-Trichlorophenol       | 0.397 | 0.394  |            | -0.8  |       |
| 1,1-Biphenyl                | 1.455 | 1.398  |            | -3.9  |       |
| 2-Chloronaphthalene         | 1.108 | 1.068  |            | -3.6  |       |
| 2-Nitroaniline              | 0.368 | 0.361  |            | -1.9  |       |
| Dimethylphthalate           | 1.304 | 1.271  |            | -2.5  |       |
| Acenaphthylene              | 1.677 | 1.620  |            | -3.4  |       |
| 2,6-Dinitrotoluene          | 0.297 | 0.294  |            | -1.0  |       |
| 3-Nitroaniline              | 0.312 | 0.297  |            | -4.8  |       |
| Acenaphthene                | 1.133 | 1.097  |            | -3.2  | 20.0  |
| 2,4-Dinitrophenol           | 0.153 | 0.163  | 0.050      | 6.5   |       |
| 4-Nitrophenol               | 0.228 | 0.221  | 0.050      | -3.1  |       |

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| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.603 | 1.546  |            | -3.6  |       |
| 2,4-Dinitrotoluene         | 0.391 | 0.391  |            | 0.0   |       |
| Diethylphthalate           | 1.333 | 1.311  |            | -1.6  |       |
| 4-Chlorophenyl-phenylether | 0.625 | 0.608  |            | -2.7  |       |
| Fluorene                   | 1.267 | 1.222  |            | -3.6  |       |
| 4-Nitroaniline             | 0.319 | 0.319  |            | 0.0   |       |
| 4,6-Dinitro-2-methylphenol | 0.108 | 0.118  |            | 9.3   |       |
| n-Nitrosodiphenylamine     | 0.578 | 0.561  |            | -2.9  | 20.0  |
| 2,4,6-Tribromophenol       | 0.199 | 0.198  |            | -0.5  |       |
| 4-Bromophenyl-phenylether  | 0.200 | 0.198  |            | -1.0  |       |
| Hexachlorobenzene          | 0.225 | 0.224  |            | -0.4  |       |
| Atrazine                   | 0.175 | 0.153  |            | -12.6 |       |
| Pentachlorophenol          | 0.121 | 0.122  |            | 0.8   | 20.0  |
| Phenanthrene               | 0.940 | 0.898  |            | -4.5  |       |
| Anthracene                 | 0.921 | 0.890  |            | -3.4  |       |
| Carbazole                  | 0.909 | 0.878  |            | -3.4  |       |
| Di-n-butylphthalate        | 1.091 | 1.089  |            | -0.2  |       |
| Fluoranthene               | 1.054 | 1.013  |            | -3.9  | 20.0  |
| Pyrene                     | 1.711 | 1.804  |            | 5.4   |       |
| Terphenyl-d14              | 1.152 | 1.194  |            | 3.6   |       |
| Butylbenzylphthalate       | 0.657 | 0.725  |            | 10.4  |       |
| 3,3-Dichlorobenzidine      | 0.418 | 0.396  |            | -5.3  |       |
| Benzo (a) anthracene       | 1.314 | 1.329  |            | 1.1   |       |
| Chrysene                   | 1.199 | 1.120  |            | -6.6  |       |
| Bis(2-ethylhexyl)phthalate | 0.877 | 0.958  |            | 9.2   |       |
| Di-n-octyl phthalate       | 1.235 | 1.274  |            | 3.2   | 20.0  |
| Benzo (b) fluoranthene     | 1.308 | 1.209  |            | -7.6  |       |
| Benzo (k) fluoranthene     | 1.069 | 1.063  |            | -0.6  |       |
| Benzo (a) pyrene           | 1.016 | 0.999  |            | -1.7  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.235 | 1.265  |            | 2.4   |       |
| Dibenzo (a,h) anthracene   | 1.021 | 1.050  |            | 2.8   |       |
| Benzo (g,h,i) perylene     | 1.044 | 1.054  |            | 1.0   |       |
| 1,2,4,5-Tetrachlorobenzene | 0.553 | 0.544  |            | -1.6  |       |
| 1,4-Dioxane                | 0.522 | 0.504  |            | -3.4  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.313 | 0.317  |            | 1.3   |       |

All other compounds must meet a minimum RRF of 0.010.