

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA\_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.303 | 1.218  |            | -6.5  |       |
| Benzaldehyde                | 0.960 | 0.972  |            | 1.3   |       |
| Phenol-d6                   | 1.657 | 1.534  |            | -7.4  |       |
| Phenol                      | 1.757 | 1.652  |            | -6.0  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.347 | 1.267  |            | -5.9  |       |
| 2-Chlorophenol              | 1.396 | 1.307  |            | -6.4  |       |
| 2-Methylphenol              | 1.135 | 1.062  |            | -6.4  |       |
| 2,2-oxybis(1-Chloropropane) | 2.342 | 2.199  |            | -6.1  |       |
| Acetophenone                | 0.475 | 0.424  |            | -10.7 |       |
| 3+4-Methylphenols           | 1.393 | 1.318  |            | -5.4  |       |
| n-Nitroso-di-n-propylamine  | 0.985 | 0.946  | 0.050      | -4.0  |       |
| Nitrobenzene-d5             | 0.379 | 0.348  |            | -8.2  |       |
| Hexachloroethane            | 0.571 | 0.536  |            | -6.1  |       |
| Nitrobenzene                | 0.393 | 0.365  |            | -7.1  |       |
| Isophorone                  | 0.656 | 0.622  |            | -5.2  |       |
| 2-Nitrophenol               | 0.185 | 0.175  |            | -5.4  | 20.0  |
| 2,4-Dimethylphenol          | 0.236 | 0.224  |            | -5.1  |       |
| bis(2-Chloroethoxy)methane  | 0.418 | 0.386  |            | -7.7  |       |
| 2,4-Dichlorophenol          | 0.289 | 0.272  |            | -5.9  | 20.0  |
| Naphthalene                 | 1.057 | 0.966  |            | -8.6  |       |
| 4-Chloroaniline             | 0.358 | 0.329  |            | -8.1  |       |
| Hexachlorobutadiene         | 0.194 | 0.179  |            | -7.7  | 20.0  |
| Caprolactam                 | 0.094 | 0.091  |            | -3.2  |       |
| 4-Chloro-3-methylphenol     | 0.310 | 0.341  |            | 10.0  | 20.0  |
| 2-Methylnaphthalene         | 0.672 | 0.618  |            | -8.0  |       |
| Hexachlorocyclopentadiene   | 0.168 | 0.159  | 0.050      | -5.4  |       |
| 2,4,6-Trichlorophenol       | 0.372 | 0.365  |            | -1.9  | 20.0  |
| 2-Fluorobiphenyl            | 1.299 | 1.148  |            | -11.6 |       |
| 2,4,5-Trichlorophenol       | 0.405 | 0.381  |            | -5.9  |       |
| 1,1-Biphenyl                | 1.560 | 1.427  |            | -8.5  |       |
| 2-Chloronaphthalene         | 1.216 | 1.102  |            | -9.4  |       |
| 2-Nitroaniline              | 0.382 | 0.366  |            | -4.2  |       |
| Dimethylphthalate           | 1.351 | 1.290  |            | -4.5  |       |
| Acenaphthylene              | 1.702 | 1.577  |            | -7.3  |       |
| 2,6-Dinitrotoluene          | 0.314 | 0.300  |            | -4.5  |       |
| 3-Nitroaniline              | 0.307 | 0.292  |            | -4.9  |       |
| Acenaphthene                | 1.216 | 1.127  |            | -7.3  | 20.0  |
| 2,4-Dinitrophenol           | 0.146 | 0.150  | 0.050      | 2.7   |       |
| 4-Nitrophenol               | 0.225 | 0.300  | 0.050      | 33.3  |       |

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| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.627 | 1.481  |            | -9.0  |       |
| 2,4-Dinitrotoluene         | 0.406 | 0.427  |            | 5.2   |       |
| Diethylphthalate           | 1.310 | 1.249  |            | -4.7  |       |
| 4-Chlorophenyl-phenylether | 0.617 | 0.562  |            | -8.9  |       |
| Fluorene                   | 1.262 | 1.151  |            | -8.8  |       |
| 4-Nitroaniline             | 0.302 | 0.288  |            | -4.6  |       |
| 4,6-Dinitro-2-methylphenol | 0.118 | 0.131  |            | 11.0  |       |
| n-Nitrosodiphenylamine     | 0.647 | 0.627  |            | -3.1  | 20.0  |
| 2,4,6-Tribromophenol       | 0.183 | 0.177  |            | -3.3  |       |
| 4-Bromophenyl-phenylether  | 0.224 | 0.220  |            | -1.8  |       |
| Hexachlorobenzene          | 0.238 | 0.232  |            | -2.5  |       |
| Atrazine                   | 0.216 | 0.184  |            | -14.8 |       |
| Pentachlorophenol          | 0.139 | 0.186  |            | 33.8  | 20.0  |
| Phenanthrene               | 1.075 | 1.016  |            | -5.5  |       |
| Anthracene                 | 1.053 | 0.999  |            | -5.1  |       |
| Carbazole                  | 0.934 | 0.892  |            | -4.5  |       |
| Di-n-butylphthalate        | 1.132 | 1.116  |            | -1.4  |       |
| Fluoranthene               | 1.062 | 1.011  |            | -4.8  | 20.0  |
| Pyrene                     | 1.920 | 1.949  |            | 1.5   |       |
| Terphenyl-d14              | 1.297 | 1.177  |            | -9.3  |       |
| Butylbenzylphthalate       | 0.671 | 0.656  |            | -2.2  |       |
| 3,3-Dichlorobenzidine      | 0.439 | 0.397  |            | -9.6  |       |
| Benzo (a) anthracene       | 1.380 | 1.181  |            | -14.4 |       |
| Chrysene                   | 1.265 | 1.179  |            | -6.8  |       |
| Bis(2-ethylhexyl)phthalate | 0.851 | 0.815  |            | -4.2  |       |
| Di-n-octyl phthalate       | 1.321 | 1.285  |            | -2.7  | 20.0  |
| Benzo (b) fluoranthene     | 1.258 | 1.168  |            | -7.2  |       |
| Benzo (k) fluoranthene     | 1.114 | 1.042  |            | -6.5  |       |
| Benzo (a) pyrene           | 1.063 | 0.991  |            | -6.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.291 | 1.238  |            | -4.1  |       |
| Dibenzo (a,h) anthracene   | 1.039 | 0.999  |            | -3.8  |       |
| Benzo (g,h,i) perylene     | 1.080 | 1.050  |            | -2.8  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.569 | 0.515  |            | -9.5  |       |
| 1,4-Dioxane                | 0.573 | 0.545  |            | -4.9  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.319 | 0.310  |            | -2.8  |       |

All other compounds must meet a minimum RRF of 0.010.