



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: BNA\_M Calibration Date/Time: 07/28/2023 17:11

Lab File ID: BM041169.D Init. Calib. Date(s): 07/28/2023 07/28/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:14 14:38

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|-----------------------------|-------|--------|------------|------|-------|
| 2-Fluorophenol              | 1.338 | 1.473  |            | 10.1 |       |
| Benzaldehyde                | 0.915 | 0.956  |            | 4.5  |       |
| Phenol-d6                   | 1.735 | 1.969  |            | 13.5 |       |
| Phenol                      | 1.675 | 1.893  |            | 13.0 | 20.0  |
| bis(2-Chloroethyl) ether    | 1.356 | 1.497  |            | 10.4 |       |
| 2-Chlorophenol              | 1.306 | 1.465  |            | 12.2 |       |
| 2-Methylphenol              | 1.145 | 1.312  |            | 14.6 |       |
| 2,2-oxybis(1-Chloropropane) | 1.807 | 2.013  |            | 11.4 |       |
| Acetophenone                | 0.530 | 0.592  |            | 11.7 |       |
| 3+4-Methylphenols           | 1.530 | 1.775  |            | 16.0 |       |
| n-Nitroso-di-n-propylamine  | 1.054 | 1.222  | 0.050      | 15.9 |       |
| Nitrobenzene-d5             | 0.430 | 0.486  |            | 13.0 |       |
| Hexachloroethane            | 0.532 | 0.597  |            | 12.2 |       |
| Nitrobenzene                | 0.435 | 0.489  |            | 12.4 |       |
| Isophorone                  | 0.730 | 0.825  |            | 13.0 |       |
| 2-Nitrophenol               | 0.170 | 0.197  |            | 15.9 | 20.0  |
| 2,4-Dimethylphenol          | 0.299 | 0.342  |            | 14.4 |       |
| bis(2-Chloroethoxy) methane | 0.457 | 0.513  |            | 12.3 |       |
| 2,4-Dichlorophenol          | 0.302 | 0.342  |            | 13.2 | 20.0  |
| Naphthalene                 | 1.085 | 1.202  |            | 10.8 |       |
| 4-Chloroaniline             | 0.434 | 0.501  |            | 15.4 |       |
| Hexachlorobutadiene         | 0.200 | 0.217  |            | 8.5  | 20.0  |
| Caprolactam                 | 0.087 | 0.100  |            | 14.9 |       |
| 4-Chloro-3-methylphenol     | 0.318 | 0.363  |            | 14.2 | 20.0  |
| 2-Methylnaphthalene         | 0.732 | 0.823  |            | 12.4 |       |
| Hexachlorocyclopentadiene   | 0.344 | 0.375  | 0.050      | 9.0  |       |
| 2,4,6-Trichlorophenol       | 0.416 | 0.471  |            | 13.2 | 20.0  |
| 2-Fluorobiphenyl            | 1.583 | 1.760  |            | 11.2 |       |
| 2,4,5-Trichlorophenol       | 0.482 | 0.545  |            | 13.1 |       |
| 1,1-Biphenyl                | 1.621 | 1.805  |            | 11.4 |       |
| 2-Chloronaphthalene         | 1.211 | 1.351  |            | 11.6 |       |
| 2-Nitroaniline              | 0.386 | 0.456  |            | 18.1 |       |
| Dimethylphthalate           | 1.504 | 1.658  |            | 10.2 |       |
| Acenaphthylene              | 1.954 | 2.210  |            | 13.1 |       |
| 2,6-Dinitrotoluene          | 0.312 | 0.357  |            | 14.4 |       |
| 3-Nitroaniline              | 0.326 | 0.388  |            | 19.0 |       |
| Acenaphthene                | 1.177 | 1.313  |            | 11.6 | 20.0  |
| 2,4-Dinitrophenol           | 0.180 | 0.200  | 0.050      | 11.1 |       |
| 4-Nitrophenol               | 0.260 | 0.298  | 0.050      | 14.6 |       |
| Dibenzofuran                | 1.921 | 2.131  |            | 10.9 |       |
| 2,4-Dinitrotoluene          | 0.402 | 0.472  |            | 17.4 |       |



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| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|----------------------------|-------|--------|------------|------|-------|
| Diethylphthalate           | 1.455 | 1.612  |            | 10.8 |       |
| 4-Chlorophenyl-phenylether | 0.759 | 0.848  |            | 11.7 |       |
| Fluorene                   | 1.515 | 1.702  |            | 12.3 |       |
| 4-Nitroaniline             | 0.284 | 0.351  |            | 23.6 |       |
| 4,6-Dinitro-2-methylphenol | 0.121 | 0.136  |            | 12.4 |       |
| n-Nitrosodiphenylamine     | 0.622 | 0.705  |            | 13.3 | 20.0  |
| 2,4,6-Tribromophenol       | 0.283 | 0.325  |            | 14.8 |       |
| 4-Bromophenyl-phenylether  | 0.219 | 0.246  |            | 12.3 |       |
| Hexachlorobenzene          | 0.244 | 0.270  |            | 10.7 |       |
| Atrazine                   | 0.163 | 0.193  |            | 18.4 |       |
| Pentachlorophenol          | 0.169 | 0.198  |            | 17.2 | 20.0  |
| Phenanthrene               | 1.111 | 1.236  |            | 11.3 |       |
| Anthracene                 | 1.099 | 1.247  |            | 13.5 |       |
| Carbazole                  | 0.995 | 1.132  |            | 13.8 |       |
| Di-n-butylphthalate        | 1.124 | 1.267  |            | 12.7 |       |
| Fluoranthene               | 1.248 | 1.402  |            | 12.3 | 20.0  |
| Pyrene                     | 1.399 | 1.564  |            | 11.8 |       |
| Terphenyl-d14              | 1.106 | 1.248  |            | 12.8 |       |
| Butylbenzylphthalate       | 0.511 | 0.585  |            | 14.5 |       |
| 3,3-Dichlorobenzidine      | 0.442 | 0.511  |            | 15.6 |       |
| Benzo(a)anthracene         | 1.356 | 1.530  |            | 12.8 |       |
| Chrysene                   | 1.311 | 1.463  |            | 11.6 |       |
| Bis(2-ethylhexyl)phthalate | 0.730 | 0.825  |            | 13.0 |       |
| Di-n-octyl phthalate       | 1.291 | 1.384  |            | 7.2  | 20.0  |
| Benzo(b)fluoranthene       | 1.188 | 1.346  |            | 13.3 |       |
| Benzo(k)fluoranthene       | 1.215 | 1.349  |            | 11.0 |       |
| Benzo(a)pyrene             | 1.142 | 1.294  |            | 13.3 | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.470 | 1.676  |            | 13.9 |       |
| Dibenzo(a,h)anthracene     | 1.226 | 1.393  |            | 13.6 |       |
| Benzo(g,h,i)perylene       | 1.200 | 1.367  |            | 13.9 |       |
| 1,2,4,5-Tetrachlorobenzene | 0.649 | 0.711  |            | 9.6  |       |
| 1,4-Dioxane                | 0.572 | 0.618  |            | 8.0  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.390 | 0.439  |            | 12.6 |       |

All other compounds must meet a minimum RRF of 0.010.