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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q2900

Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 09:21

Lab File ID: BF143518.D Init. Calib. Date(s): 08/20/2025 08/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:55 14:20

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.145 | 1.132 | | -1.1 | |
| Benzaldehyde | 1.145 | 1.256 | | 9.7 | |
| Phenol-d6 | 1.414 | 1.413 | | -0.1 | |
| Phenol | 1.629 | 1.644 | | 0.9 | 20.0 |
| bis(2-Chloroethyl)ether | 1.217 | 1.227 | | 0.8 | |
| 2-Chlorophenol | 1.265 | 1.272 | | 0.6 | |
| 2-Methylphenol | 1.015 | 1.028 | | 1.3 | |
| 2,2-oxybis(1-Chloropropane) | 1.947 | 1.939 | | -0.4 | |
| Acetophenone | 0.432 | 0.427 | | -1.2 | |
| 3+4-Methylphenols | 1.212 | 1.227 | | 1.2 | |
| n-Nitroso-di-n-propylamine | 0.864 | 0.860 | 0.050 | -0.5 | |
| Nitrobenzene-d5 | 0.343 | 0.348 | | 1.5 | |
| Hexachloroethane | 0.485 | 0.490 | | 1.0 | |
| Nitrobenzene | 0.353 | 0.362 | | 2.5 | |
| Isophorone | 0.628 | 0.630 | | 0.3 | |
| 2-Nitrophenol | 0.173 | 0.180 | | 4.0 | 20.0 |
| 2,4-Dimethylphenol | 0.269 | 0.270 | | 0.4 | |
| bis(2-Chloroethoxy)methane | 0.386 | 0.384 | | -0.5 | |
| 2,4-Dichlorophenol | 0.288 | 0.290 | | 0.7 | 20.0 |
| Naphthalene | 0.960 | 0.950 | | -1.0 | |
| 4-Chloroaniline | 0.341 | 0.339 | | -0.6 | |
| Hexachlorobutadiene | 0.193 | 0.194 | | 0.5 | 20.0 |
| Caprolactam | 0.069 | 0.078 | | 13.0 | |
| 4-Chloro-3-methylphenol | 0.288 | 0.289 | | 0.3 | 20.0 |
| 2-Methylnaphthalene | 0.641 | 0.627 | | -2.2 | |
| Hexachlorocyclopentadiene | 0.184 | 0.169 | 0.050 | -8.2 | |
| 2,4,6-Trichlorophenol | 0.352 | 0.355 | | 0.9 | 20.0 |
| 2-Fluorobiphenyl | 1.210 | 1.177 | | -2.7 | |
| 2,4,5-Trichlorophenol | 0.385 | 0.380 | | -1.3 | |
| 1,1-Biphenyl | 1.420 | 1.391 | | -2.0 | |
| 2-Chloronaphthalene | 1.114 | 1.096 | | -1.6 | |
| 2-Nitroaniline | 0.326 | 0.335 | | 2.8 | |
| Dimethylphthalate | 1.205 | 1.250 | | 3.7 | |
| Acenaphthylene | 1.595 | 1.578 | | -1.1 | |
| 2,6-Dinitrotoluene | 0.250 | 0.265 | | 6.0 | |
| 3-Nitroaniline | 0.270 | 0.278 | | 3.0 | |
| Acenaphthene | 1.083 | 1.067 | | -1.5 | 20.0 |
| 2,4-Dinitrophenol | 0.115 | 0.109 | 0.050 | -5.2 | |
| 4-Nitrophenol | 0.161 | 0.155 | 0.050 | -3.7 | |

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.544 | 1.525 | | -1.2 | |
| 2,4-Dinitrotoluene | 0.333 | 0.357 | | 7.2 | |
| Diethylphthalate | 1.080 | 1.140 | | 5.6 | |
| 4-Chlorophenyl-phenylether | 0.594 | 0.589 | | -0.8 | |
| Fluorene | 1.188 | 1.164 | | -2.0 | |
| 4-Nitroaniline | 0.248 | 0.258 | | 4.0 | |
| 4,6-Dinitro-2-methylphenol | 0.113 | 0.107 | | -5.3 | |
| n-Nitrosodiphenylamine | 0.644 | 0.645 | | 0.2 | 20.0 |
| 2,4,6-Tribromophenol | 0.186 | 0.186 | | 0.0 | |
| 4-Bromophenyl-phenylether | 0.239 | 0.242 | | 1.3 | |
| Hexachlorobenzene | 0.257 | 0.257 | | 0.0 | |
| Atrazine | 0.166 | 0.195 | | 17.5 | |
| Pentachlorophenol | 0.118 | 0.106 | | -10.2 | 20.0 |
| Phenanthrene | 1.071 | 1.052 | | -1.8 | |
| Anthracene | 1.085 | 1.065 | | -1.8 | |
| Carbazole | 0.889 | 0.875 | | -1.6 | |
| Di-n-butylphthalate | 0.829 | 0.956 | | 15.3 | |
| Fluoranthene | 0.961 | 0.922 | | -4.1 | 20.0 |
| Pyrene | 1.645 | 1.514 | | -8.0 | |
| Terphenyl-d14 | 1.146 | 1.094 | | -4.5 | |
| Butylbenzylphthalate | 0.449 | 0.485 | | 8.0 | |
| 3,3-Dichlorobenzidine | 0.369 | 0.377 | | 2.2 | |
| Benzo(a)anthracene | 1.288 | 1.239 | | -3.8 | |
| Chrysene | 1.157 | 1.147 | | -0.9 | |
| Bis(2-ethylhexyl)phthalate | 0.685 | 0.692 | | 1.0 | |
| Di-n-octyl phthalate | 1.268 | 1.238 | | -2.4 | 20.0 |
| Benzo(b)fluoranthene | 1.112 | 1.175 | | 5.7 | |
| Benzo(k)fluoranthene | 1.064 | 0.980 | | -7.9 | |
| Benzo(a)pyrene | 1.032 | 1.024 | | -0.8 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.437 | 1.375 | | -4.3 | |
| Dibenzo(a,h)anthracene | 1.151 | 1.117 | | -3.0 | |
| Benzo(g,h,i)perylene | 1.145 | 1.055 | | -7.9 | |
| 1,2,4,5-Tetrachlorobenzene | 0.572 | 0.568 | | -0.7 | |
| 1,4-Dioxane | 0.531 | 0.541 | | 1.9 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.286 | 0.289 | | 1.0 | |

All other compounds must meet a minimum RRF of 0.010.