# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090424\
Data File : BG062656.D
Acq On : 5 Sep 2024 00:25
Operator : MA/JU
Sample : SSTDCCC040
Misc : LOD-MDL-WATER-8 ng
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTDCCC040

Quant Time: Sep 05 04:55:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG083024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 31 02:36:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 2 | | 1,4-Dioxane | 0.482 | 0.473 | 1.9 | 111 | 0.00 |
| 3 | | Pyridine | 1.389 | 1.420 | -2.2 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.675 | 0.716 | -6.1 | 114 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.157 | 1.180 | -2.0 | 110 | 0.00 |
| 6 | | Aniline | 1.562 | 1.537 | 1.6 | 104 | 0.00 |
| 7 | S | Phenol-d6 | 1.672 | 1.732 | -3.6 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 1.242 | 1.256 | -1.1 | 110 | 0.00 |
| 9 | | Benzaldehyde | 0.972 | 1.108 | -14.0 | 128 | 0.00 |
| 10 | C | Phenol | 1.692 | 1.751 | -3.5 | 110 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.296 | 1.291 | 0.4 | 108 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.363 | 1.386 | -1.7 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.403 | 1.407 | -0.3 | 110 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.379 | 1.374 | 0.4 | 108 | 0.00 |
| 15 | | Benzyl Alcohol | 1.237 | 1.246 | -0.7 | 105 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.469 | 2.249 | 8.9 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 1.180 | 1.166 | 1.2 | 106 | 0.00 |
| 18 | | Hexachloroethane | 0.526 | 0.519 | 1.3 | 108 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.317 | 1.254 | 4.8 | 100 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.740 | 1.711 | 1.7 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 22 | | Acetophenone | 0.540 | 0.544 | -0.7 | 103 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.371 | 0.400 | -7.8 | 109 | 0.00 |
| 24 | | Nitrobenzene | 0.395 | 0.414 | -4.8 | 104 | 0.00 |
| 25 | | Isophorone | 0.815 | 0.791 | 2.9 | 98 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.149 | 0.169 | -13.4 | 112 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.219 | 0.224 | -2.3 | 102 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.436 | 0.433 | 0.7 | 98 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.306 | 0.323 | -5.6 | 106 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.362 | 0.379 | -4.7 | 108 | 0.00 |
| 31 | | Naphthalene | 0.991 | 1.014 | -2.3 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.235 | 0.231 | 1.7 | 97 | 0.00 |
| 33 | | 4-Chloroaniline | 0.390 | 0.405 | -3.8 | 105 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.253 | 0.269 | -6.3 | 112 | 0.00 |
| 35 | | Caprolactam | 0.118 | 0.123 | -4.2 | 104 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.369 | 0.376 | -1.9 | 101 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.769 | 0.783 | -1.8 | 103 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.772 | 0.775 | -0.4 | 101 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.601 | 0.637 | -6.0 | 108 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.172 | 0.195 | -13.4 | 112 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.281 | 0.317 | -12.8 | 112 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.381 | 0.402 | -5.5 | 105 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.432 | 0.464 | -7.4 | 106 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.235 | 1.244 | -0.7 | 102 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.334 | 1.369 | -2.6 | 104 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.081 | 1.119 | -3.5 | 105 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.284 | 0.325 | -14.4 | 113 | 0.00 |
| 49 | | Acenaphthylene | 1.601 | 1.623 | -1.4 | 101 | 0.00 |
| 50 | | Dimethylphthalate | 1.462 | 1.449 | 0.9 | 100 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.277 | 0.310 | -11.9 | 107 | 0.00 |
| 52 | C | Acenaphthene | 1.001 | 1.024 | -2.3 | 104 | 0.00 |
| 53 | | 3-Nitroaniline | 0.268 | 0.306 | -14.2 | 109 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.155 | 0.183 | -18.1 | 117 | 0.00 |
| 55 | | Dibenzofuran | 1.717 | 1.769 | -3.0 | 105 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.227 | 0.260 | -14.5 | 110 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.377 | 0.456 | -21.0 | 118 | 0.00 |
| 58 | | Fluorene | 1.347 | 1.395 | -3.6 | 106 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.409 | 0.441 | -7.8 | 111 | 0.00 |
| 60 | | Diethylphthalate | 1.449 | 1.469 | -1.4 | 104 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.773 | 0.817 | -5.7 | 109 | 0.00 |
| 62 | | 4-Nitroaniline | 0.295 | 0.338 | -14.6 | 113 | 0.00 |
| 63 | | Azobenzene | 1.361 | 1.374 | -1.0 | 102 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.089 | 0.104 | -16.9 | 122 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.481 | 0.485 | -0.8 | 106 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.206 | 0.219 | -6.3 | 112 | 0.00 |
| 68 | | Hexachlorobenzene | 0.244 | 0.259 | -6.1 | 112 | 0.00 |
| 69 | | Atrazine | 0.163 | 0.133 | 18.4 | 100 | 0.00 |
| 70 | C | Pentachlorophenol | 0.157 | 0.166 | -5.7 | 108 | 0.00 |
| 71 | | Phenanthrene | 0.934 | 0.935 | -0.1 | 105 | 0.00 |
| 72 | | Anthracene | 0.918 | 0.929 | -1.2 | 105 | 0.00 |
| 73 | | Carbazole | 0.844 | 0.848 | -0.5 | 107 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.952 | 0.968 | -1.7 | 106 | 0.00 |
| 75 | C | Fluoranthene | 1.181 | 1.222 | -3.5 | 111 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 77 | | Benzidine | 0.360 | 0.386 | -7.2 | 103 | 0.00 |
| 78 | | Pyrene | 1.271 | 1.229 | 3.3 | 111 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.009 | 0.953 | 5.6 | 112 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.373 | 0.377 | -1.1 | 114 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.261 | 1.252 | 0.7 | 115 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.411 | 0.411 | 0.0 | 115 | 0.00 |
| 83 | | Chrysene | 1.208 | 1.221 | -1.1 | 117 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.567 | 0.562 | 0.9 | 112 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 0.993 | 0.966 | 2.7 | 110 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.282 | 1.312 | -2.3 | 120 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.105 | 1.103 | 0.2 | 117 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.081 | 1.087 | -0.6 | 117 | 0.00 |
| 90 | C | Benzo(a)pyrene | 0.976 | 0.978 | -0.2 | 117 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.056 | 1.082 | -2.5 | 121 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.065 | 1.100 | -3.3 | 120 | 0.00 |

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(#) = Out of Range SPCC's out = 0 CCC's out = 0