# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
Data File : BG064147.D
Acq On : 2 Apr 2025 10:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 02 11:35:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
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 | 0.580 | 0.558 | 3.8 | 106 | 0.00 |
| 3 | | Pyridine | 1.412 | 1.439 | -1.9 | 101 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 1.009 | 1.070 | -6.0 | 111 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.281 | 1.207 | 5.8 | 99 | 0.00 |
| 6 | | Aniline | 1.710 | 1.579 | 7.7 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 1.742 | 1.703 | 2.2 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 1.376 | 1.341 | 2.5 | 103 | 0.00 |
| 9 | | Benzaldehyde | 1.013 | 0.940 | 7.2 | 104 | 0.00 |
| 10 | C | Phenol | 1.784 | 1.746 | 2.1 | 103 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.399 | 1.252 | 10.5 | 98 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.511 | 1.365 | 9.7 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.548 | 1.426 | 7.9 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.493 | 1.395 | 6.6 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 1.346 | 1.393 | -3.5 | 107 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.145 | 2.811 | 10.6 | 95 | -0.01 |
| 17 | | 2-Methylphenol | 1.184 | 1.169 | 1.3 | 102 | 0.00 |
| 18 | | Hexachloroethane | 0.542 | 0.579 | -6.8 | 111 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.223 | 1.163 | 4.9 | 97 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.630 | 1.612 | 1.1 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 109 | -0.01 |
| 22 | | Acetophenone | 0.548 | 0.516 | 5.8 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.362 | 0.374 | -3.3 | 106 | 0.00 |
| 24 | | Nitrobenzene | 0.374 | 0.374 | 0.0 | 102 | 0.00 |
| 25 | | Isophorone | 0.724 | 0.651 | 10.1 | 95 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.112 | 0.151 | -34.8# | 135 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.217 | 0.218 | -0.5 | 104 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.439 | 0.402 | 8.4 | 98 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.289 | -5.5 | 109 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.331 | 0.315 | 4.8 | 103 | 0.00 |
| 31 | | Naphthalene | 1.078 | 1.049 | 2.7 | 106 | 0.00 |
| 32 | | Benzoic acid | 0.170 | 0.219 | -28.8# | 138 | -0.02 |
| 33 | | 4-Chloroaniline | 0.394 | 0.383 | 2.8 | 100 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.217 | 0.217 | 0.0 | 108 | 0.00 |
| 35 | | Caprolactam | 0.105 | 0.103 | 1.9 | 102 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.359 | 0.376 | -4.7 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.761 | 0.763 | -0.3 | 109 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.746 | 0.763 | -2.3 | 110 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.571 | 0.555 | 2.8 | 108 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.161 | 0.210 | -30.4# | 137 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.222 | 0.243 | -9.5 | 115 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.337 | 0.359 | -6.5 | 114 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.374 | 0.414 | -10.7 | 116 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.318 | 1.277 | 3.1 | 106 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.511 | 1.465 | 3.0 | 108 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.102 | 1.055 | 4.3 | 106 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.318 | 0.381 | -19.8 | 124 | 0.00 |
| 49 | | Acenaphthylene | 1.743 | 1.669 | 4.2 | 106 | 0.00 |
| 50 | | Dimethylphthalate | 1.476 | 1.368 | 7.3 | 102 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.261 | 0.295 | -13.0 | 115 | 0.00 |
| 52 | C | Acenaphthene | 1.170 | 1.106 | 5.5 | 106 | -0.01 |
| 53 | | 3-Nitroaniline | 0.285 | 0.295 | -3.5 | 106 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.102 | 0.143 | -40.2# | 161# | 0.00 |
| 55 | | Dibenzofuran | 1.895 | 1.779 | 6.1 | 104 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.239 | 0.246 | -2.9 | 109 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.357 | 0.404 | -13.2 | 113 | 0.00 |
| 58 | | Fluorene | 1.476 | 1.388 | 6.0 | 107 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.365 | 0.380 | -4.1 | 109 | 0.00 |
| 60 | | Diethylphthalate | 1.603 | 1.462 | 8.8 | 100 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.733 | 0.676 | 7.8 | 104 | -0.01 |
| 62 | | 4-Nitroaniline | 0.308 | 0.309 | -0.3 | 102 | 0.00 |
| 63 | | Azobenzene | 1.710 | 1.524 | 10.9 | 98 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.076 | 0.103 | -35.5# | 146 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.566 | 0.557 | 1.6 | 102 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.205 | 0.209 | -2.0 | 106 | 0.00 |
| 68 | | Hexachlorobenzene | 0.229 | 0.222 | 3.1 | 103 | 0.00 |
| 69 | | Atrazine | 0.167 | 0.145 | 13.2 | 97 | 0.00 |
| 70 | C | Pentachlorophenol | 0.142 | 0.151 | -6.3 | 108 | 0.00 |
| 71 | | Phenanthrene | 1.067 | 1.030 | 3.5 | 101 | 0.00 |
| 72 | | Anthracene | 1.061 | 1.030 | 2.9 | 101 | -0.01 |
| 73 | | Carbazole | 0.990 | 0.937 | 5.4 | 97 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.166 | 1.170 | -0.3 | 99 | -0.01 |
| 75 | C | Fluoranthene | 1.286 | 1.207 | 6.1 | 97 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.277 | 0.336 | -21.3 | 107 | 0.00 |
| 78 | | Pyrene | 1.289 | 1.259 | 2.3 | 96 | -0.01 |
| 79 | S | Terphenyl-d14 | 0.989 | 0.955 | 3.4 | 95 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.423 | 0.535 | -26.5# | 115 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.281 | 1.256 | 2.0 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.415 | 0.427 | -2.9 | 95 | -0.01 |
| 83 | | Chrysene | 1.278 | 1.217 | 4.8 | 93 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.693 | 0.782 | -12.8 | 103 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.195 | 1.350 | -13.0 | 109 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 103 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.338 | 1.295 | 3.2 | 97 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.209 | 1.183 | 2.2 | 100 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 1.213 | 1.133 | 6.6 | 93 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.077 | 1.020 | 5.3 | 95 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.109 | 1.085 | 2.2 | 98 | -0.03 |
| 92 | | Benzo(g,h,i)perylene | 1.139 | 1.073 | 5.8 | 95 | -0.03 |

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(#) = Out of Range SPCC's out = 0 CCC's out = 1