# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055157.D
Acq On : 13 Oct 2022 10:05
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 14 01:19:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
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 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 0.433 | 0.519 | -19.9 | 104 | 0.00 |
| 3 | | Pyridine | 1.364 | 1.581 | -15.9 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.724 | 0.758 | -4.7 | 86 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.022 | 1.116 | -9.2 | 89 | 0.00 |
| 6 | | Aniline | 1.942 | 2.093 | -7.8 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 1.512 | 1.601 | -5.9 | 83 | 0.00 |
| 8 | | 2-Chlorophenol | 1.247 | 1.303 | -4.5 | 84 | 0.00 |
| 9 | | Benzaldehyde | 1.017 | 1.045 | -2.8 | 86 | 0.00 |
| 10 | C | Phenol | 1.680 | 1.805 | -7.4 | 83 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.188 | 1.304 | -9.8 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.449 | 1.502 | -3.7 | 84 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.463 | 1.552 | -6.1 | 86 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.401 | 1.464 | -4.5 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 1.352 | 1.479 | -9.4 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.986 | 2.141 | -7.8 | 85 | 0.00 |
| 17 | | 2-Methylphenol | 1.209 | 1.284 | -6.2 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.496 | 0.528 | -6.5 | 86 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.220 | 1.304 | -6.9 | 81 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.734 | 1.831 | -5.6 | 82 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 0.495 | 0.515 | -4.0 | 81 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.373 | 0.386 | -3.5 | 81 | 0.00 |
| 24 | | Nitrobenzene | 0.386 | 0.404 | -4.7 | 81 | 0.00 |
| 25 | | Isophorone | 0.724 | 0.771 | -6.5 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.196 | -7.1 | 80 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.278 | 0.292 | -5.0 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.359 | 0.387 | -7.8 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.332 | 0.342 | -3.0 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.358 | 0.366 | -2.2 | 79 | 0.00 |
| 31 | | Naphthalene | 1.052 | 1.091 | -3.7 | 79 | 0.00 |
| 32 | | Benzoic acid | 0.217 | 0.223 | -2.8 | 76 | -0.01 |
| 33 | | 4-Chloroaniline | 0.452 | 0.475 | -5.1 | 80 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.229 | 0.231 | -0.9 | 79 | 0.00 |
| 35 | | Caprolactam | 0.137 | 0.153 | -11.7 | 92 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.375 | 0.406 | -8.3 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.788 | 0.814 | -3.3 | 79 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.768 | 0.803 | -4.6 | 80 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.564 | 0.558 | 1.1 | 77 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.282 | 0.285 | -1.1 | 73 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.287 | 0.308 | -7.3 | 86 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.410 | 0.425 | -3.7 | 78 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.455 | 0.491 | -7.9 | 81 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.224 | 1.255 | -2.5 | 80 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.328 | 1.369 | -3.1 | 80 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.074 | 1.110 | -3.4 | 80 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.383 | 0.431 | -12.5 | 88 | 0.00 |
| 49 | | Acenaphthylene | 1.803 | 1.918 | -6.4 | 83 | 0.00 |
| 50 | | Dimethylphthalate | 1.608 | 1.734 | -7.8 | 87 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.331 | 0.365 | -10.3 | 86 | 0.00 |
| 52 | C | Acenaphthene | 1.166 | 1.261 | -8.1 | 83 | 0.00 |
| 53 | | 3-Nitroaniline | 0.384 | 0.428 | -11.5 | 89 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.201 | 0.226 | -12.4 | 87 | 0.00 |
| 55 | | Dibenzofuran | 1.820 | 1.950 | -7.1 | 84 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.299 | 0.352 | -17.7 | 94 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.485 | 0.558 | -15.1 | 91 | 0.00 |
| 58 | | Fluorene | 1.494 | 1.605 | -7.4 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.449 | 0.492 | -9.6 | 85 | 0.00 |
| 60 | | Diethylphthalate | 1.693 | 1.887 | -11.5 | 92 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.800 | 0.839 | -4.9 | 83 | 0.00 |
| 62 | | 4-Nitroaniline | 0.414 | 0.473 | -14.3 | 95 | 0.00 |
| 63 | | Azobenzene | 1.438 | 1.627 | -13.1 | 90 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.118 | 0.131 | -11.0 | 93 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.528 | 0.543 | -2.8 | 88 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.218 | 0.220 | -0.9 | 85 | 0.00 |
| 68 | | Hexachlorobenzene | 0.251 | 0.250 | 0.4 | 86 | 0.00 |
| 69 | | Atrazine | 0.208 | 0.217 | -4.3 | 95 | 0.00 |
| 70 | C | Pentachlorophenol | 0.149 | 0.162 | -8.7 | 90 | 0.00 |
| 71 | | Phenanthrene | 1.037 | 1.085 | -4.6 | 92 | 0.00 |
| 72 | | Anthracene | 1.014 | 1.059 | -4.4 | 92 | 0.00 |
| 73 | | Carbazole | 0.944 | 1.001 | -6.0 | 95 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.162 | 1.253 | -7.8 | 99 | 0.00 |
| 75 | C | Fluoranthene | 1.297 | 1.369 | -5.6 | 97 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 77 | | Benzidine | 0.449 | 0.553 | -23.2 | 122 | 0.00 |
| 78 | | Pyrene | 1.333 | 1.388 | -4.1 | 97 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.993 | 1.031 | -3.8 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.512 | 0.558 | -9.0 | 101 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.280 | 1.344 | -5.0 | 98 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.439 | 0.464 | -5.7 | 98 | 0.00 |
| 83 | | Chrysene | 1.207 | 1.278 | -5.9 | 99 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.729 | 0.786 | -7.8 | 101 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.215 | 1.341 | -10.4 | 103 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.481 | 1.544 | -4.3 | 97 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.192 | 1.269 | -6.5 | 99 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.198 | 1.231 | -2.8 | 97 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.019 | 1.066 | -4.6 | 98 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.226 | 1.275 | -4.0 | 98 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.201 | 1.258 | -4.7 | 98 | -0.01 |

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