# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010824\
Data File : BG060291.D
Acq On : 8 Jan 2024 21:15
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
ICVBG010824

Quant Time: Jan 09 04:10:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 04:07:12 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 | 114 | 0.00 |
| 2 | | 1,4-Dioxane | 0.555 | 0.549 | 1.1 | 99 | 0.00 |
| 3 | | Pyridine | 1.567 | 1.555 | 0.8 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.490 | 0.494 | -0.8 | 101 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.216 | 1.239 | -1.9 | 124 | 0.00 |
| 6 | | Aniline | 1.800 | 1.837 | -2.1 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 1.801 | 1.859 | -3.2 | 101 | 0.00 |
| 8 | | 2-Chlorophenol | 1.205 | 1.214 | -0.7 | 112 | 0.00 |
| 9 | | Benzaldehyde | 1.034 | 1.036 | -0.2 | 105 | 0.00 |
| 10 | C | Phenol | 1.805 | 1.855 | -2.8 | 101 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.471 | 1.489 | -1.2 | 114 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.513 | 1.499 | 0.9 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.535 | 1.538 | -0.2 | 116 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.578 | 1.486 | 5.8 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.166 | 1.168 | -0.2 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.785 | 1.694 | 5.1 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 1.240 | 1.212 | 2.3 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.538 | 0.521 | 3.2 | 99 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.246 | 1.217 | 2.3 | 93 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.672 | 1.672 | 0.0 | 97 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.550 | 0.556 | -1.1 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.424 | 0.443 | -4.5 | 99 | 0.00 |
| 24 | | Nitrobenzene | 0.439 | 0.448 | -2.1 | 95 | 0.00 |
| 25 | | Isophorone | 0.851 | 0.857 | -0.7 | 95 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.171 | -6.2 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.213 | 0.216 | -1.4 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.520 | 0.527 | -1.3 | 96 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.346 | 0.355 | -2.6 | 95 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.430 | 0.433 | -0.7 | 95 | 0.00 |
| 31 | | Naphthalene | 1.048 | 1.033 | 1.4 | 95 | 0.00 |
| 32 | | Benzoic acid | 0.154 | 0.166 | -7.8 | 94 | 0.00 |
| 33 | | 4-Chloroaniline | 0.404 | 0.400 | 1.0 | 95 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.280 | 0.273 | 2.5 | 99 | 0.00 |
| 35 | | Caprolactam | 0.111 | 0.111 | 0.0 | 96 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.351 | 0.350 | 0.3 | 95 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.778 | 0.756 | 2.8 | 96 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.781 | 0.750 | 4.0 | 96 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.710 | 0.692 | 2.5 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.236 | 0.235 | 0.4 | 90 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.294 | 0.299 | -1.7 | 95 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.452 | 0.453 | -0.2 | 95 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.499 | 0.513 | -2.8 | 97 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.439 | 1.393 | 3.2 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.510 | 1.470 | 2.6 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.293 | 1.275 | 1.4 | 95 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.322 | 0.337 | -4.7 | 96 | 0.00 |
| 49 | | Acenaphthylene | 1.781 | 1.799 | -1.0 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.528 | 1.532 | -0.3 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.326 | 0.347 | -6.4 | 96 | 0.00 |
| 52 | C | Acenaphthene | 1.109 | 1.118 | -0.8 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 0.297 | 0.311 | -4.7 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.155 | 0.172 | -11.0 | 98 | 0.00 |
| 55 | | Dibenzofuran | 1.851 | 1.847 | 0.2 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.220 | 0.245 | -11.4 | 94 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.447 | 0.476 | -6.5 | 97 | 0.00 |
| 58 | | Fluorene | 1.533 | 1.517 | 1.0 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.423 | 0.434 | -2.6 | 95 | 0.00 |
| 60 | | Diethylphthalate | 1.467 | 1.489 | -1.5 | 95 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.845 | 0.834 | 1.3 | 97 | 0.00 |
| 62 | | 4-Nitroaniline | 0.316 | 0.330 | -4.4 | 95 | 0.00 |
| 63 | | Azobenzene | 1.484 | 1.472 | 0.8 | 94 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.111 | 0.118 | -6.3 | 98 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.531 | 0.537 | -1.1 | 94 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.221 | -0.5 | 94 | 0.00 |
| 68 | | Hexachlorobenzene | 0.260 | 0.263 | -1.2 | 96 | 0.00 |
| 69 | | Atrazine | 0.200 | 0.197 | 1.5 | 93 | 0.00 |
| 70 | C | Pentachlorophenol | 0.140 | 0.156 | -11.4 | 97 | 0.00 |
| 71 | | Phenanthrene | 0.967 | 0.970 | -0.3 | 95 | 0.00 |
| 72 | | Anthracene | 0.965 | 0.963 | 0.2 | 94 | 0.00 |
| 73 | | Carbazole | 0.910 | 0.916 | -0.7 | 94 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.936 | 0.966 | -3.2 | 95 | 0.00 |
| 75 | C | Fluoranthene | 1.161 | 1.148 | 1.1 | 95 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 77 | | Benzidine | 0.435 | 0.374 | 14.0 | 78 | 0.00 |
| 78 | | Pyrene | 1.277 | 1.259 | 1.4 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.938 | 0.822 | 12.4 | 97 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.439 | 0.466 | -6.2 | 96 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.238 | 1.229 | 0.7 | 94 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.474 | 0.480 | -1.3 | 92 | 0.00 |
| 83 | | Chrysene | 1.218 | 1.212 | 0.5 | 95 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.664 | 0.700 | -5.4 | 96 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.076 | 1.052 | 2.2 | 88 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.391 | 1.525 | -9.6 | 92 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.182 | 1.206 | -2.0 | 84 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.166 | 1.188 | -1.9 | 84 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.067 | 1.075 | -0.7 | 84 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.136 | 1.242 | -9.3 | 90 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.164 | 1.260 | -8.2 | 91 | -0.01 |

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