# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051022\
Data File : BG053520.D
Acq On : 10 May 2022 23:27
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 11 06:46:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 11 06:00:46 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 | 98 | 0.00 |
| 2 | | 1,4-Dioxane | 0.618 | 0.603 | 2.4 | 96 | 0.00 |
| 3 | | Pyridine | 1.510 | 1.531 | -1.4 | 95 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.736 | 0.730 | 0.8 | 95 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.178 | 1.155 | 2.0 | 95 | 0.00 |
| 6 | | Aniline | 1.981 | 1.969 | 0.6 | 94 | 0.00 |
| 7 | S | Phenol-d6 | 1.788 | 1.791 | -0.2 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 1.232 | 1.189 | 3.5 | 94 | 0.00 |
| 9 | | Benzaldehyde | 1.136 | 1.093 | 3.8 | 99 | 0.00 |
| 10 | C | Phenol | 1.749 | 1.748 | 0.1 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.305 | 1.271 | 2.6 | 92 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.453 | 1.422 | 2.1 | 95 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.467 | 1.484 | -1.2 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.377 | 1.356 | 1.5 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.495 | 1.521 | -1.7 | 97 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.123 | 2.124 | -0.0 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 1.182 | 1.178 | 0.3 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.557 | 0.541 | 2.9 | 97 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.283 | 1.267 | 1.2 | 95 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.670 | 1.677 | -0.4 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 22 | | Acetophenone | 0.547 | 0.558 | -2.0 | 97 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.470 | 0.490 | -4.3 | 96 | 0.00 |
| 24 | | Nitrobenzene | 0.455 | 0.475 | -4.4 | 95 | 0.00 |
| 25 | | Isophorone | 0.791 | 0.831 | -5.1 | 95 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.184 | 0.198 | -7.6 | 98 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.277 | 0.284 | -2.5 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.455 | 0.478 | -5.1 | 97 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.335 | 0.366 | -9.3 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.380 | 0.406 | -6.8 | 100 | 0.00 |
| 31 | | Naphthalene | 1.017 | 1.055 | -3.7 | 97 | 0.00 |
| 32 | | Benzoic acid | 0.147 | 0.151 | -2.7 | 90 | -0.01 |
| 33 | | 4-Chloroaniline | 0.426 | 0.443 | -4.0 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.282 | 0.296 | -5.0 | 97 | 0.00 |
| 35 | | Caprolactam | 0.122 | 0.134 | -9.8 | 101 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.400 | 0.434 | -8.5 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.759 | 0.782 | -3.0 | 95 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.741 | 0.760 | -2.6 | 97 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.630 | 0.656 | -4.1 | 100 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.200 | 0.179 | 10.5 | 82 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.295 | 0.317 | -7.5 | 100 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.412 | 0.431 | -4.6 | 96 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.438 | 0.474 | -8.2 | 100 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.369 | 1.372 | -0.2 | 98 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.363 | 1.369 | -0.4 | 98 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.068 | 1.049 | 1.8 | 96 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.398 | 0.428 | -7.5 | 100 | 0.00 |
| 49 | | Acenaphthylene | 1.704 | 1.739 | -2.1 | 98 | 0.00 |
| 50 | | Dimethylphthalate | 1.520 | 1.551 | -2.0 | 98 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.310 | 0.331 | -6.8 | 101 | 0.00 |
| 52 | C | Acenaphthene | 1.016 | 1.019 | -0.3 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 0.335 | 0.349 | -4.2 | 97 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.166 | 0.181 | -9.0 | 100 | 0.00 |
| 55 | | Dibenzofuran | 1.824 | 1.835 | -0.6 | 99 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.239 | 0.255 | -6.7 | 98 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.449 | 0.484 | -7.8 | 101 | 0.00 |
| 58 | | Fluorene | 1.464 | 1.517 | -3.6 | 100 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.444 | 0.480 | -8.1 | 101 | 0.00 |
| 60 | | Diethylphthalate | 1.570 | 1.648 | -5.0 | 100 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.817 | 0.864 | -5.8 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 0.347 | 0.378 | -8.9 | 103 | 0.00 |
| 63 | | Azobenzene | 1.608 | 1.676 | -4.2 | 101 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.131 | -10.1 | 105 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.525 | 0.519 | 1.1 | 99 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.234 | 0.239 | -2.1 | 101 | 0.00 |
| 68 | | Hexachlorobenzene | 0.256 | 0.259 | -1.2 | 103 | 0.00 |
| 69 | | Atrazine | 0.221 | 0.227 | -2.7 | 104 | 0.00 |
| 70 | C | Pentachlorophenol | 0.121 | 0.127 | -5.0 | 102 | 0.00 |
| 71 | | Phenanthrene | 1.017 | 1.031 | -1.4 | 103 | 0.00 |
| 72 | | Anthracene | 1.000 | 1.025 | -2.5 | 105 | 0.00 |
| 73 | | Carbazole | 0.980 | 1.007 | -2.8 | 104 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.102 | 1.142 | -3.6 | 104 | 0.00 |
| 75 | C | Fluoranthene | 1.317 | 1.366 | -3.7 | 105 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 77 | | Benzidine | 0.431 | 0.268 | 37.8# | 66 | 0.00 |
| 78 | | Pyrene | 1.295 | 1.335 | -3.1 | 105 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.074 | 1.101 | -2.5 | 106 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.475 | 0.503 | -5.9 | 106 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.276 | 1.309 | -2.6 | 107 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.323 | 0.323 | 0.0 | 100 | 0.00 |
| 83 | | Chrysene | 1.191 | 1.220 | -2.4 | 105 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.655 | 0.694 | -6.0 | 107 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.108 | 1.164 | -5.1 | 106 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.393 | 1.426 | -2.4 | 105 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.184 | 1.202 | -1.5 | 103 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.163 | 1.169 | -0.5 | 106 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.008 | 1.027 | -1.9 | 104 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.148 | 1.154 | -0.5 | 104 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.138 | 1.155 | -1.5 | 104 | 0.00 |

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