# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090922\
Data File : BG054894.D
Acq On : 9 Sep 2022 11:59
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 10 01:55:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 10 01:53:42 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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 0.548 | 0.477 | 13.0 | 83 | 0.00 |
| 3 | | Pyridine | 1.530 | 1.356 | 11.4 | 82 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.661 | 0.550 | 16.8 | 77 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.149 | 1.119 | 2.6 | 90 | 0.00 |
| 6 | | Aniline | 1.866 | 1.800 | 3.5 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 1.571 | 1.553 | 1.1 | 91 | 0.00 |
| 8 | | 2-Chlorophenol | 1.255 | 1.257 | -0.2 | 93 | 0.00 |
| 9 | | Benzaldehyde | 1.029 | 0.913 | 11.3 | 89 | 0.00 |
| 10 | C | Phenol | 1.615 | 1.596 | 1.2 | 91 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.299 | 1.219 | 6.2 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.452 | 1.428 | 1.7 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.465 | 1.454 | 0.8 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.389 | 1.383 | 0.4 | 93 | 0.00 |
| 15 | | Benzyl Alcohol | 1.135 | 1.124 | 1.0 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.033 | 1.658 | 18.4 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 1.112 | 1.132 | -1.8 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.531 | 0.503 | 5.3 | 88 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.080 | 1.018 | 5.7 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.542 | 1.594 | -3.4 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.498 | 0.4 | 93 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.381 | 0.366 | 3.9 | 89 | 0.00 |
| 24 | | Nitrobenzene | 0.384 | 0.362 | 5.7 | 88 | 0.00 |
| 25 | | Isophorone | 0.710 | 0.679 | 4.4 | 88 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.170 | 0.187 | -10.0 | 100 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.274 | -1.9 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.405 | 0.382 | 5.7 | 87 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.306 | 0.327 | -6.9 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.349 | 0.360 | -3.2 | 96 | 0.00 |
| 31 | | Naphthalene | 1.073 | 1.071 | 0.2 | 93 | 0.00 |
| 32 | | Benzoic acid | 0.169 | 0.049 | 71.0# | 26# | 0.00 |
| 33 | | 4-Chloroaniline | 0.437 | 0.438 | -0.2 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.224 | 0.242 | -8.0 | 102 | 0.00 |
| 35 | | Caprolactam | 0.108 | 0.108 | 0.0 | 90 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.334 | 0.342 | -2.4 | 93 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.752 | 0.762 | -1.3 | 93 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.732 | 0.738 | -0.8 | 93 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.603 | 0.630 | -4.5 | 104 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.320 | 0.261 | 18.4 | 78 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.250 | 0.263 | -5.2 | 100 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.400 | 0.379 | 5.3 | 90 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.449 | 0.430 | 4.2 | 91 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.331 | 1.314 | 1.3 | 97 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.485 | 1.440 | 3.0 | 94 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.128 | 1.089 | 3.5 | 94 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.353 | 0.334 | 5.4 | 90 | 0.00 |
| 49 | | Acenaphthylene | 1.861 | 1.808 | 2.8 | 94 | 0.00 |
| 50 | | Dimethylphthalate | 1.541 | 1.497 | 2.9 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.315 | 0.323 | -2.5 | 97 | 0.00 |
| 52 | C | Acenaphthene | 1.196 | 1.156 | 3.3 | 93 | 0.00 |
| 53 | | 3-Nitroaniline | 0.353 | 0.354 | -0.3 | 95 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.150 | 0.137 | 8.7 | 84 | 0.00 |
| 55 | | Dibenzofuran | 1.757 | 1.737 | 1.1 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.273 | 0.236 | 13.6 | 79 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.436 | 0.456 | -4.6 | 97 | 0.00 |
| 58 | | Fluorene | 1.480 | 1.463 | 1.1 | 96 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.405 | 0.377 | 6.9 | 89 | 0.00 |
| 60 | | Diethylphthalate | 1.539 | 1.468 | 4.6 | 92 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.730 | 0.751 | -2.9 | 100 | 0.00 |
| 62 | | 4-Nitroaniline | 0.360 | 0.366 | -1.7 | 95 | 0.00 |
| 63 | | Azobenzene | 1.462 | 1.286 | 12.0 | 86 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.102 | 0.103 | -1.0 | 94 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.577 | 0.558 | 3.3 | 96 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.232 | -5.5 | 103 | 0.00 |
| 68 | | Hexachlorobenzene | 0.247 | 0.258 | -4.5 | 103 | 0.00 |
| 69 | | Atrazine | 0.203 | 0.201 | 1.0 | 95 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.110 | 17.9 | 77 | 0.00 |
| 71 | | Phenanthrene | 1.065 | 1.035 | 2.8 | 96 | 0.00 |
| 72 | | Anthracene | 1.036 | 1.010 | 2.5 | 96 | 0.00 |
| 73 | | Carbazole | 0.954 | 0.921 | 3.5 | 95 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.208 | 1.129 | 6.5 | 91 | 0.00 |
| 75 | C | Fluoranthene | 1.296 | 1.265 | 2.4 | 96 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 77 | | Benzidine | 0.495 | 0.503 | -1.6 | 92 | 0.00 |
| 78 | | Pyrene | 1.395 | 1.363 | 2.3 | 95 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.009 | 0.986 | 2.3 | 96 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.582 | 0.530 | 8.9 | 90 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.356 | 1.328 | 2.1 | 97 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.475 | 0.490 | -3.2 | 99 | 0.00 |
| 83 | | Chrysene | 1.297 | 1.261 | 2.8 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.838 | 0.756 | 9.8 | 90 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.421 | 1.305 | 8.2 | 91 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.518 | 1.523 | -0.3 | 99 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.255 | 1.215 | 3.2 | 95 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.263 | 1.239 | 1.9 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.072 | 1.050 | 2.1 | 97 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.237 | 1.250 | -1.1 | 100 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.250 | 1.246 | 0.3 | 100 | 0.00 |

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