# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022122\
Data File : BG052430.D
Acq On : 21 Feb 2022 10:06
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 21 13:56:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 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 | 0.528 | 0.544 | -3.0 | 107 | 0.00 |
| 3 | | Pyridine | 1.532 | 1.552 | -1.3 | 98 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.791 | 0.730 | 7.7 | 92 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.148 | 1.152 | -0.3 | 99 | 0.00 |
| 6 | | Aniline | 2.057 | 1.975 | 4.0 | 92 | 0.00 |
| 7 | S | Phenol-d6 | 1.771 | 1.697 | 4.2 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 1.262 | 1.188 | 5.9 | 95 | 0.00 |
| 9 | | Benzaldehyde | 1.087 | 0.941 | 13.4 | 90 | 0.00 |
| 10 | C | Phenol | 1.759 | 1.715 | 2.5 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.345 | 1.256 | 6.6 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.438 | 1.396 | 2.9 | 97 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.466 | 1.433 | 2.3 | 98 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.446 | 1.386 | 4.1 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.469 | 1.379 | 6.1 | 89 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.942 | 1.780 | 8.3 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 1.161 | 1.122 | 3.4 | 95 | 0.00 |
| 18 | | Hexachloroethane | 0.510 | 0.496 | 2.7 | 100 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.335 | 1.180 | 11.6 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.661 | 1.591 | 4.2 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 22 | | Acetophenone | 0.529 | 0.488 | 7.8 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.460 | 0.429 | 6.7 | 92 | 0.00 |
| 24 | | Nitrobenzene | 0.437 | 0.405 | 7.3 | 90 | 0.00 |
| 25 | | Isophorone | 0.783 | 0.722 | 7.8 | 90 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.174 | 5.9 | 89 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.274 | 0.263 | 4.0 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.444 | 0.412 | 7.2 | 91 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.328 | 0.314 | 4.3 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.383 | 0.361 | 5.7 | 94 | 0.00 |
| 31 | | Naphthalene | 1.048 | 0.998 | 4.8 | 94 | 0.00 |
| 32 | | Benzoic acid | 0.161 | 0.135 | 16.1 | 80 | 0.00 |
| 33 | | 4-Chloroaniline | 0.438 | 0.422 | 3.7 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.259 | 0.241 | 6.9 | 94 | 0.00 |
| 35 | | Caprolactam | 0.120 | 0.116 | 3.3 | 93 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.374 | 0.363 | 2.9 | 93 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.779 | 0.745 | 4.4 | 95 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.755 | 0.719 | 4.8 | 92 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.658 | 0.610 | 7.3 | 92 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.278 | 0.250 | 10.1 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.287 | 0.276 | 3.8 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.430 | 0.402 | 6.5 | 90 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.466 | 0.430 | 7.7 | 90 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.439 | 1.361 | 5.4 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.467 | 1.400 | 4.6 | 94 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.130 | 1.069 | 5.4 | 93 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.402 | 0.386 | 4.0 | 93 | 0.00 |
| 49 | | Acenaphthylene | 1.839 | 1.755 | 4.6 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.532 | 1.441 | 5.9 | 94 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.331 | 0.312 | 5.7 | 92 | 0.00 |
| 52 | C | Acenaphthene | 1.205 | 1.142 | 5.2 | 93 | 0.00 |
| 53 | | 3-Nitroaniline | 0.344 | 0.342 | 0.6 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.179 | 0.156 | 12.8 | 82 | 0.00 |
| 55 | | Dibenzofuran | 1.894 | 1.789 | 5.5 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.258 | 0.249 | 3.5 | 91 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.471 | 0.457 | 3.0 | 94 | 0.00 |
| 58 | | Fluorene | 1.512 | 1.475 | 2.4 | 97 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.445 | 0.429 | 3.6 | 95 | 0.00 |
| 60 | | Diethylphthalate | 1.548 | 1.475 | 4.7 | 95 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.861 | 0.811 | 5.8 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 0.362 | 0.368 | -1.7 | 98 | 0.00 |
| 63 | | Azobenzene | 1.584 | 1.508 | 4.8 | 95 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.120 | 0.116 | 3.3 | 91 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.551 | 0.526 | 4.5 | 95 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.243 | 0.230 | 5.3 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 0.264 | 0.246 | 6.8 | 94 | 0.00 |
| 69 | | Atrazine | 0.223 | 0.215 | 3.6 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 0.129 | 0.112 | 13.2 | 84 | 0.00 |
| 71 | | Phenanthrene | 1.031 | 0.983 | 4.7 | 97 | 0.00 |
| 72 | | Anthracene | 1.010 | 0.964 | 4.6 | 97 | 0.00 |
| 73 | | Carbazole | 0.985 | 0.959 | 2.6 | 99 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.074 | 1.056 | 1.7 | 99 | 0.00 |
| 75 | C | Fluoranthene | 1.313 | 1.259 | 4.1 | 99 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 77 | | Benzidine | 0.427 | 0.399 | 6.6 | 86 | 0.00 |
| 78 | | Pyrene | 1.338 | 1.281 | 4.3 | 99 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.133 | 1.054 | 7.0 | 99 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.465 | 0.467 | -0.4 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.323 | 1.258 | 4.9 | 100 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.462 | 0.430 | 6.9 | 95 | 0.00 |
| 83 | | Chrysene | 1.254 | 1.171 | 6.6 | 99 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.645 | 0.635 | 1.6 | 98 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.081 | 1.085 | -0.4 | 102 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.464 | 1.382 | 5.6 | 101 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.246 | 1.180 | 5.3 | 102 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.231 | 1.148 | 6.7 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.053 | 0.990 | 6.0 | 100 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.209 | 1.136 | 6.0 | 101 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.187 | 1.121 | 5.6 | 101 | -0.01 |

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