# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012518\
Data File : BG032296.D
Acq On : 25 Jan 2018 16:44
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 26 01:21:19 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 24 14:02:41 2018
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 | 62 | 0.00 |
| 2 | | 1,4-Dioxane | 0.420 | 0.334 | 20.5 | 49# | 0.00 |
| 3 | | Pyridine | 1.121 | 0.986 | 12.0 | 52 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.394 | 0.462 | -17.3 | 68 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.094 | 1.038 | 5.1 | 57 | 0.00 |
| 6 | | Aniline | 1.737 | 1.802 | -3.7 | 61 | 0.00 |
| 7 | S | Phenol-d6 | 1.377 | 1.425 | -3.5 | 61 | 0.00 |
| 8 | | 2-Chlorophenol | 1.224 | 1.228 | -0.3 | 59 | 0.00 |
| 9 | | Benzaldehyde | 0.798 | 0.874 | -9.5 | 64 | 0.00 |
| 10 | C | Phenol | 1.357 | 1.389 | -2.4 | 60 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.087 | 1.033 | 5.0 | 57 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.602 | 1.588 | 0.9 | 59 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.613 | 1.627 | -0.9 | 60 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.560 | 1.567 | -0.4 | 61 | 0.00 |
| 15 | | Benzyl Alcohol | 1.001 | 1.240 | -23.9 | 72 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.105 | 1.035 | 6.3 | 56 | 0.00 |
| 17 | | 2-Methylphenol | 1.037 | 1.093 | -5.4 | 62 | 0.00 |
| 18 | | Hexachloroethane | 0.496 | 0.530 | -6.9 | 64 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.855 | 1.009 | -18.0 | 70 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.436 | 1.614 | -12.4 | 67 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 22 | | Acetophenone | 0.454 | 0.483 | -6.4 | 68 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.296 | 0.330 | -11.5 | 70 | 0.00 |
| 24 | | Nitrobenzene | 0.295 | 0.317 | -7.5 | 68 | 0.00 |
| 25 | | Isophorone | 0.550 | 0.611 | -11.1 | 71 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.175 | 0.202 | -15.4 | 71 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.277 | 0.289 | -4.3 | 67 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.332 | 0.327 | 1.5 | 63 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.341 | 0.381 | -11.7 | 71 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.441 | 0.478 | -8.4 | 69 | 0.00 |
| 31 | | Naphthalene | 0.991 | 1.021 | -3.0 | 66 | 0.00 |
| 32 | | Benzoic acid | 0.204 | 0.157 | 23.0 | 46# | -0.03 |
| 33 | | 4-Chloroaniline | 0.425 | 0.461 | -8.5 | 69 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.316 | 0.363 | -14.9 | 74 | 0.00 |
| 35 | | Caprolactam | 0.104 | 0.126 | -21.2 | 75 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.312 | 0.383 | -22.8# | 79 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.787 | 0.852 | -8.3 | 70 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.872 | 0.917 | -5.2 | 78 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.491 | 0.650 | -32.4# | 96 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.331 | 0.387 | -16.9 | 84 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.490 | 0.554 | -13.1 | 82 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.567 | 0.644 | -13.6 | 84 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.613 | 1.624 | -0.7 | 75 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.715 | 1.712 | 0.2 | 75 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.334 | 1.308 | 1.9 | 73 | 0.00 |
| 47 | | 2-Nitroaniline | 0.255 | 0.315 | -23.5 | 87 | 0.00 |
| 48 | | Acenaphthylene | 2.031 | 2.053 | -1.1 | 74 | 0.00 |
| 49 | | Dimethylphthalate | 1.750 | 1.880 | -7.4 | 79 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.363 | 0.405 | -11.6 | 79 | 0.00 |
| 51 | C | Acenaphthene | 1.343 | 1.378 | -2.6 | 75 | 0.00 |
| 52 | | 3-Nitroaniline | 0.328 | 0.373 | -13.7 | 81 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.153 | 0.161 | -5.2 | 74 | 0.00 |
| 54 | | Dibenzofuran | 2.004 | 2.069 | -3.2 | 76 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.239 | 0.337 | -41.0# | 98 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.489 | 0.592 | -21.1 | 83 | 0.00 |
| 57 | | Fluorene | 1.643 | 1.744 | -6.1 | 79 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.525 | 0.623 | -18.7 | 85 | 0.00 |
| 59 | | Diethylphthalate | 1.697 | 1.841 | -8.5 | 80 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 1.008 | 1.125 | -11.6 | 83 | 0.00 |
| 61 | | 4-Nitroaniline | 0.315 | 0.387 | -22.9 | 84 | 0.00 |
| 62 | | Azobenzene | 1.062 | 1.129 | -6.3 | 77 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.128 | -7.6 | 85 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.607 | 0.603 | 0.7 | 78 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.285 | 0.294 | -3.2 | 83 | 0.00 |
| 67 | | Hexachlorobenzene | 0.315 | 0.314 | 0.3 | 81 | 0.00 |
| 68 | | Atrazine | 0.255 | 0.263 | -3.1 | 81 | 0.00 |
| 69 | C | Pentachlorophenol | 0.201 | 0.197 | 2.0 | 76 | 0.00 |
| 70 | | Phenanthrene | 1.114 | 1.088 | 2.3 | 79 | 0.00 |
| 71 | | Anthracene | 1.111 | 1.104 | 0.6 | 80 | 0.00 |
| 72 | | Carbazole | 0.963 | 0.961 | 0.2 | 79 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.138 | 1.096 | 3.7 | 77 | 0.00 |
| 74 | C | Fluoranthene | 1.394 | 1.399 | -0.4 | 81 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 76 | | Benzidine | 0.500 | 0.392 | 21.6 | 64 | 0.00 |
| 77 | | Pyrene | 1.257 | 1.227 | 2.4 | 82 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.906 | 0.898 | 0.9 | 85 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.450 | 0.427 | 5.1 | 79 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.244 | 1.270 | -2.1 | 86 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.465 | 0.506 | -8.8 | 88 | 0.00 |
| 82 | | Chrysene | 1.195 | 1.228 | -2.8 | 85 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.661 | 0.599 | 9.4 | 76 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.049 | 0.973 | 7.2 | 77 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.462 | 1.566 | -7.1 | 88 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.209 | 1.233 | -2.0 | 84 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.181 | 1.196 | -1.3 | 85 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.144 | 1.175 | -2.7 | 86 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.102 | 1.194 | -8.3 | 91 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.126 | 1.183 | -5.1 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1