# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG012418\
Data File : BG032276.D
Acq On : 25 Jan 2018 1:19
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 25 05:13:51 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 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 0.420 | 0.349 | 16.9 | 72 | 0.00 |
| 3 | | Pyridine | 1.121 | 0.948 | 15.4 | 70 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.394 | 0.468 | -18.8 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.094 | 0.987 | 9.8 | 76 | 0.00 |
| 6 | | Aniline | 1.737 | 1.592 | 8.3 | 76 | 0.00 |
| 7 | S | Phenol-d6 | 1.377 | 1.292 | 6.2 | 77 | 0.00 |
| 8 | | 2-Chlorophenol | 1.224 | 1.113 | 9.1 | 75 | 0.00 |
| 9 | | Benzaldehyde | 0.798 | 0.640 | 19.8 | 65 | 0.00 |
| 10 | C | Phenol | 1.357 | 1.251 | 7.8 | 76 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.087 | 0.929 | 14.5 | 71 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.602 | 1.481 | 7.6 | 77 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.613 | 1.503 | 6.8 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.560 | 1.423 | 8.8 | 77 | 0.00 |
| 15 | | Benzyl Alcohol | 1.001 | 1.066 | -6.5 | 86 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.105 | 0.919 | 16.8 | 70 | 0.00 |
| 17 | | 2-Methylphenol | 1.037 | 0.938 | 9.5 | 74 | 0.00 |
| 18 | | Hexachloroethane | 0.496 | 0.486 | 2.0 | 82 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.855 | 0.829 | 3.0 | 80 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.436 | 1.324 | 7.8 | 77 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 22 | | Acetophenone | 0.454 | 0.451 | 0.7 | 79 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.296 | 0.314 | -6.1 | 83 | 0.00 |
| 24 | | Nitrobenzene | 0.295 | 0.312 | -5.8 | 83 | 0.00 |
| 25 | | Isophorone | 0.550 | 0.538 | 2.2 | 77 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.175 | 0.180 | -2.9 | 78 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.277 | 0.271 | 2.2 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.332 | 0.298 | 10.2 | 71 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.341 | 0.349 | -2.3 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.441 | 0.457 | -3.6 | 82 | 0.00 |
| 31 | | Naphthalene | 0.991 | 0.944 | 4.7 | 75 | 0.00 |
| 32 | | Benzoic acid | 0.204 | 0.189 | 7.4 | 69 | 0.00 |
| 33 | | 4-Chloroaniline | 0.425 | 0.420 | 1.2 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.316 | 0.350 | -10.8 | 88 | 0.00 |
| 35 | | Caprolactam | 0.104 | 0.103 | 1.0 | 76 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.312 | 0.323 | -3.5 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.787 | 0.777 | 1.3 | 79 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.872 | 0.903 | -3.6 | 87 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.491 | 0.538 | -9.6 | 90 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.331 | 0.349 | -5.4 | 86 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.490 | 0.497 | -1.4 | 84 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.567 | 0.586 | -3.4 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.613 | 1.566 | 2.9 | 82 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.715 | 1.633 | 4.8 | 81 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.334 | 1.282 | 3.9 | 81 | 0.00 |
| 47 | | 2-Nitroaniline | 0.255 | 0.290 | -13.7 | 91 | 0.00 |
| 48 | | Acenaphthylene | 2.031 | 1.942 | 4.4 | 80 | 0.00 |
| 49 | | Dimethylphthalate | 1.750 | 1.737 | 0.7 | 83 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.363 | 0.387 | -6.6 | 86 | 0.00 |
| 51 | C | Acenaphthene | 1.343 | 1.333 | 0.7 | 82 | 0.00 |
| 52 | | 3-Nitroaniline | 0.328 | 0.336 | -2.4 | 83 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.153 | 0.196 | -28.1# | 102 | 0.00 |
| 54 | | Dibenzofuran | 2.004 | 1.957 | 2.3 | 82 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.239 | 0.248 | -3.8 | 82 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.489 | 0.549 | -12.3 | 88 | 0.00 |
| 57 | | Fluorene | 1.643 | 1.608 | 2.1 | 82 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.525 | 0.565 | -7.6 | 87 | 0.00 |
| 59 | | Diethylphthalate | 1.697 | 1.696 | 0.1 | 84 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 1.008 | 1.020 | -1.2 | 85 | 0.00 |
| 61 | | 4-Nitroaniline | 0.315 | 0.355 | -12.7 | 88 | 0.00 |
| 62 | | Azobenzene | 1.062 | 1.040 | 2.1 | 81 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.119 | 0.141 | -18.5 | 103 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.607 | 0.570 | 6.1 | 81 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.285 | 0.283 | 0.7 | 88 | 0.00 |
| 67 | | Hexachlorobenzene | 0.315 | 0.305 | 3.2 | 87 | 0.00 |
| 68 | | Atrazine | 0.255 | 0.247 | 3.1 | 84 | 0.00 |
| 69 | C | Pentachlorophenol | 0.201 | 0.198 | 1.5 | 85 | 0.00 |
| 70 | | Phenanthrene | 1.114 | 1.041 | 6.6 | 84 | 0.00 |
| 71 | | Anthracene | 1.111 | 1.064 | 4.2 | 85 | 0.00 |
| 72 | | Carbazole | 0.963 | 0.933 | 3.1 | 85 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.138 | 1.059 | 6.9 | 82 | 0.00 |
| 74 | C | Fluoranthene | 1.394 | 1.371 | 1.6 | 88 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 76 | | Benzidine | 0.500 | 0.331 | 33.8# | 62 | 0.00 |
| 77 | | Pyrene | 1.257 | 1.156 | 8.0 | 88 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.906 | 0.849 | 6.3 | 91 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.450 | 0.398 | 11.6 | 84 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.244 | 1.222 | 1.8 | 94 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.465 | 0.472 | -1.5 | 94 | 0.00 |
| 82 | | Chrysene | 1.195 | 1.150 | 3.8 | 91 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.661 | 0.565 | 14.5 | 82 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.049 | 0.906 | 13.6 | 82 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.462 | 1.505 | -2.9 | 97 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.209 | 1.167 | 3.5 | 90 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.181 | 1.177 | 0.3 | 94 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.144 | 1.132 | 1.0 | 94 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.102 | 1.149 | -4.3 | 99 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.126 | 1.146 | -1.8 | 97 | 0.00 |

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