# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101721.D
Acq On : 26 Dec 2017 18:52
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Dec 27 04:54:29 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 26 10:48:01 2017
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 | 76 | 0.00 |
| 2 | | 1,4-Dioxane | 0.690 | 0.644 | 6.7 | 70 | 0.00 |
| 3 | | Pyridine | 1.917 | 1.646 | 14.1 | 64 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.883 | 0.756 | 14.4 | 63 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.343 | 1.391 | -3.6 | 79 | 0.00 |
| 6 | | Aniline | 2.322 | 2.160 | 7.0 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 1.671 | 1.551 | 7.2 | 73 | 0.00 |
| 8 | | 2-Chlorophenol | 1.412 | 1.387 | 1.8 | 77 | 0.00 |
| 9 | | Benzaldehyde | 1.234 | 1.052 | 14.7 | 65 | 0.00 |
| 10 | C | Phenol | 1.905 | 1.798 | 5.6 | 73 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.494 | 1.396 | 6.6 | 72 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.594 | 1.550 | 2.8 | 75 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.628 | 1.619 | 0.6 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.465 | 1.445 | 1.4 | 76 | 0.00 |
| 15 | | Benzyl Alcohol | 1.150 | 1.081 | 6.0 | 73 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.286 | 2.146 | 6.1 | 71 | 0.00 |
| 17 | | 2-Methylphenol | 1.299 | 1.182 | 9.0 | 73 | 0.00 |
| 18 | | Hexachloroethane | 0.566 | 0.549 | 3.0 | 75 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.097 | 1.020 | 7.0 | 76 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.377 | 1.482 | -7.6 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 22 | | Acetophenone | 0.456 | 0.462 | -1.3 | 77 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.359 | 0.347 | 3.3 | 71 | 0.00 |
| 24 | | Nitrobenzene | 0.398 | 0.383 | 3.8 | 73 | 0.00 |
| 25 | | Isophorone | 0.721 | 0.652 | 9.6 | 69 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.186 | -8.8 | 78 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.280 | 3.4 | 74 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.458 | 0.434 | 5.2 | 72 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.292 | -1.7 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.303 | 0.298 | 1.7 | 74 | 0.00 |
| 31 | | Naphthalene | 1.007 | 0.973 | 3.4 | 74 | 0.00 |
| 32 | | Benzoic acid | 0.173 | 0.172 | 0.6 | 76 | 0.00 |
| 33 | | 4-Chloroaniline | 0.438 | 0.426 | 2.7 | 75 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.175 | 0.178 | -1.7 | 77 | 0.00 |
| 35 | | Caprolactam | 0.100 | 0.089 | 11.0 | 67 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.315 | 0.303 | 3.8 | 72 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.656 | 0.630 | 4.0 | 74 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.675 | 0.692 | -2.5 | 75 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.088 | 0.114 | -29.5# | 97 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.193 | 0.202 | -4.7 | 76 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.407 | 0.415 | -2.0 | 72 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.445 | 0.410 | 7.9 | 65 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.289 | 1.339 | -3.9 | 76 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.774 | 1.765 | 0.5 | 75 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.357 | 1.323 | 2.5 | 73 | 0.00 |
| 47 | | 2-Nitroaniline | 0.469 | 0.470 | -0.2 | 72 | 0.00 |
| 48 | | Acenaphthylene | 2.144 | 2.049 | 4.4 | 72 | 0.00 |
| 49 | | Dimethylphthalate | 1.609 | 1.479 | 8.1 | 69 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.327 | 0.328 | -0.3 | 71 | 0.00 |
| 51 | C | Acenaphthene | 1.288 | 1.244 | 3.4 | 73 | 0.00 |
| 52 | | 3-Nitroaniline | 0.408 | 0.409 | -0.2 | 71 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.087 | 0.139 | -59.8# | 113 | 0.00 |
| 54 | | Dibenzofuran | 1.637 | 1.749 | -6.8 | 78 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.178 | 0.157 | 11.8 | 61 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.368 | 0.423 | -14.9 | 82 | 0.00 |
| 57 | | Fluorene | 1.385 | 1.428 | -3.1 | 75 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.320 | 0.328 | -2.5 | 73 | 0.00 |
| 59 | | Diethylphthalate | 1.593 | 1.542 | 3.2 | 74 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.664 | 0.708 | -6.6 | 76 | 0.00 |
| 61 | | 4-Nitroaniline | 0.410 | 0.375 | 8.5 | 66 | 0.00 |
| 62 | | Azobenzene | 1.650 | 1.529 | 7.3 | 71 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.102 | 0.108 | -5.9 | 71 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.738 | 0.726 | 1.6 | 72 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.225 | 0.231 | -2.7 | 75 | 0.00 |
| 67 | | Hexachlorobenzene | 0.238 | 0.244 | -2.5 | 75 | 0.00 |
| 68 | | Atrazine | 0.220 | 0.214 | 2.7 | 70 | 0.00 |
| 69 | C | Pentachlorophenol | 0.079 | 0.089 | -12.7 | 79 | 0.00 |
| 70 | | Phenanthrene | 1.112 | 1.081 | 2.8 | 73 | 0.00 |
| 71 | | Anthracene | 1.136 | 1.121 | 1.3 | 74 | 0.00 |
| 72 | | Carbazole | 1.064 | 1.035 | 2.7 | 72 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.291 | 1.298 | -0.5 | 75 | 0.00 |
| 74 | C | Fluoranthene | 1.167 | 1.125 | 3.6 | 72 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 76 | | Benzidine | 0.845 | 0.710 | 16.0 | 55 | 0.00 |
| 77 | | Pyrene | 1.501 | 1.600 | -6.6 | 71 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.830 | 0.885 | -6.6 | 74 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.679 | 0.708 | -4.3 | 68 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.321 | 1.260 | 4.6 | 64 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.431 | 0.410 | 4.9 | 62 | 0.00 |
| 82 | | Chrysene | 1.247 | 1.224 | 1.8 | 66 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.860 | 0.907 | -5.5 | 70 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.534 | 1.524 | 0.7 | 66 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.110 | 1.060 | 4.5 | 66 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 59 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.219 | 1.221 | -0.2 | 59 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.185 | 1.151 | 2.9 | 61 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.124 | 1.101 | 2.0 | 59 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.965 | 1.009 | -4.6 | 65 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.955 | 1.027 | -7.5 | 67 | 0.00 |

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