# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF060616\
Data File : BF087769.D
Acq On : 7 Jun 2016 1:55
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 07 02:31:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 04 11:07:28 2016
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 | 108 | -0.01 |
| 2 | | 1,4-Dioxane | 0.598 | 0.592 | 1.0 | 104 | -0.05 |
| 3 | | Pyridine | 1.580 | 1.539 | 2.6 | 101 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 0.668 | 0.602 | 9.9 | 95 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.237 | 1.113 | 10.0 | 93 | -0.01 |
| 6 | | Aniline | 2.200 | 1.871 | 15.0 | 91 | -0.01 |
| 7 | S | Phenol-d6 | 1.552 | 1.410 | 9.1 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 1.424 | 1.397 | 1.9 | 111 | 0.00 |
| 9 | | Benzaldehyde | 1.049 | 0.930 | 11.3 | 92 | -0.01 |
| 10 | C | Phenol | 1.767 | 1.739 | 1.6 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.284 | 1.318 | -2.6 | 121 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.524 | 1.420 | 6.8 | 108 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.530 | 1.379 | 9.9 | 99 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.434 | 1.400 | 2.4 | 110 | -0.01 |
| 15 | | Benzyl Alcohol | 1.146 | 0.964 | 15.9 | 86 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.872 | 1.688 | 9.8 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 1.143 | 1.014 | 11.3 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.535 | 0.413 | 22.8 | 82 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.969 | 0.910 | 6.1 | 110 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.401 | 1.189 | 15.1 | 97 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 92 | -0.01 |
| 22 | | Acetophenone | 0.453 | 0.455 | -0.4 | 87 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.346 | 0.361 | -4.3 | 99 | -0.01 |
| 24 | | Nitrobenzene | 0.346 | 0.366 | -5.8 | 90 | -0.01 |
| 25 | | Isophorone | 0.629 | 0.637 | -1.3 | 94 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.161 | 0.143 | 11.2 | 85 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.333 | 0.305 | 8.4 | 82 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.399 | 0.441 | -10.5 | 105 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.297 | -8.4 | 102 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.287 | 0.293 | -2.1 | 94 | -0.01 |
| 31 | | Naphthalene | 0.972 | 0.933 | 4.0 | 89 | -0.01 |
| 32 | | Benzoic acid | 0.201 | 0.113 | 43.8# | 47# | -0.01 |
| 33 | | 4-Chloroaniline | 0.422 | 0.424 | -0.5 | 95 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.149 | 0.173 | -16.1 | 104 | -0.01 |
| 35 | | Caprolactam | 0.090 | 0.075 | 16.7 | 77 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.283 | 0.275 | 2.8 | 86 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.642 | 0.654 | -1.9 | 95 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.551 | 0.636 | -15.4 | 94 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.324 | 0.056 | 82.7# | 15# | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.201 | 0.171 | 14.9 | 73 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.416 | 0.436 | -4.8 | 86 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.387 | 0.369 | 4.7 | 72 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.285 | 1.563 | -21.6 | 93 | -0.01 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.623 | 1.657 | -2.1 | 90 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.292 | 1.285 | 0.5 | 89 | -0.01 |
| 47 | | 2-Nitroaniline | 0.364 | 0.389 | -6.9 | 92 | -0.01 |
| 48 | | Acenaphthylene | 2.015 | 2.047 | -1.6 | 84 | 0.00 |
| 49 | | Dimethylphthalate | 1.454 | 1.697 | -16.7 | 90 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.336 | -1.5 | 76 | -0.01 |
| 51 | C | Acenaphthene | 1.296 | 1.235 | 4.7 | 78 | -0.01 |
| 52 | | 3-Nitroaniline | 0.378 | 0.361 | 4.5 | 87 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.134 | 0.014# | 89.6# | 8# | -0.01 |
| 54 | | Dibenzofuran | 1.765 | 1.762 | 0.2 | 79 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.323 | 0.241 | 25.4# | 72 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.421 | 0.375 | 10.9 | 65 | -0.01 |
| 57 | | Fluorene | 1.380 | 1.171 | 15.1 | 77 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.334 | 0.293 | 12.3 | 75 | -0.01 |
| 59 | | Diethylphthalate | 1.460 | 1.586 | -8.6 | 91 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.605 | 0.581 | 4.0 | 86 | -0.01 |
| 61 | | 4-Nitroaniline | 0.364 | 0.393 | -8.0 | 80 | -0.01 |
| 62 | | Azobenzene | 1.470 | 1.458 | 0.8 | 78 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 74 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.091 | 0.019 | 79.1# | 13# | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.655 | 0.670 | -2.3 | 78 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.198 | 0.236 | -19.2 | 81 | -0.01 |
| 67 | | Hexachlorobenzene | 0.222 | 0.219 | 1.4 | 77 | -0.01 |
| 68 | | Atrazine | 0.194 | 0.133 | 31.4# | 48# | -0.02 |
| 69 | C | Pentachlorophenol | 0.132 | 0.110 | 16.7 | 55 | -0.01 |
| 70 | | Phenanthrene | 1.084 | 1.006 | 7.2 | 74 | -0.01 |
| 71 | | Anthracene | 1.087 | 1.131 | -4.0 | 73 | -0.01 |
| 72 | | Carbazole | 1.029 | 0.926 | 10.0 | 70 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.103 | 1.361 | -23.4 | 86 | -0.01 |
| 74 | C | Fluoranthene | 1.067 | 1.093 | -2.4 | 74 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 64 | -0.02 |
| 76 | | Benzidine | 0.789 | 0.850 | -7.7 | 60 | -0.01 |
| 77 | | Pyrene | 1.424 | 1.688 | -18.5 | 75 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.820 | 1.015 | -23.8 | 86 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.606 | 0.698 | -15.2 | 68 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.154 | 1.264 | -9.5 | 70 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.326 | 0.398 | -22.1 | 72 | -0.02 |
| 82 | | Chrysene | 1.149 | 1.316 | -14.5 | 74 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.721 | 0.973 | -35.0# | 81 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.341 | 1.776 | -32.4# | 83 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.950 | 1.031 | -8.5 | 68 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 68 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.301 | 1.188 | 8.7 | 61 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.082 | 1.275 | -17.8 | 85 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.094 | 1.141 | -4.3 | 69 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.931 | 0.980 | -5.3 | 70 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.939 | 0.945 | -0.6 | 67 | -0.02 |

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