# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF041017\
Data File : BF094328.D
Acq On : 11 Apr 2017 00:23
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 11 02:30:28 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 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 | 78 | -0.02 |
| 2 | | 1,4-Dioxane | 0.569 | 0.558 | 1.9 | 75 | -0.06 |
| 3 | | Pyridine | 1.550 | 1.593 | -2.8 | 77 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 0.638 | 0.634 | 0.6 | 74 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.184 | 1.203 | -1.6 | 79 | 0.00 |
| 6 | | Aniline | 2.038 | 1.926 | 5.5 | 71 | -0.02 |
| 7 | S | Phenol-d6 | 1.465 | 1.427 | 2.6 | 75 | 0.01 |
| 8 | | 2-Chlorophenol | 1.302 | 1.356 | -4.1 | 79 | -0.01 |
| 9 | | Benzaldehyde | 0.989 | 0.911 | 7.9 | 71 | -0.02 |
| 10 | C | Phenol | 1.667 | 1.715 | -2.9 | 76 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.303 | 1.332 | -2.2 | 78 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.460 | 1.500 | -2.7 | 78 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.479 | 1.534 | -3.7 | 79 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.362 | 1.397 | -2.6 | 79 | -0.02 |
| 15 | | Benzyl Alcohol | 1.072 | 1.001 | 6.6 | 70 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.007 | 1.815 | 9.6 | 68 | -0.02 |
| 17 | | 2-Methylphenol | 1.115 | 1.108 | 0.6 | 76 | 0.00 |
| 18 | | Hexachloroethane | 0.520 | 0.531 | -2.1 | 77 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.941 | 0.985 | -4.7 | 80 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.350 | 1.527 | -13.1 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 76 | -0.02 |
| 22 | | Acetophenone | 0.446 | 0.484 | -8.5 | 85 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.350 | 0.363 | -3.7 | 78 | -0.02 |
| 24 | | Nitrobenzene | 0.346 | 0.355 | -2.6 | 77 | -0.02 |
| 25 | | Isophorone | 0.616 | 0.615 | 0.2 | 75 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.165 | 0.186 | -12.7 | 80 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.289 | -1.8 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.407 | -0.2 | 76 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.272 | -2.3 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.274 | 0.281 | -2.6 | 78 | -0.02 |
| 31 | | Naphthalene | 0.962 | 0.977 | -1.6 | 78 | -0.02 |
| 32 | | Benzoic acid | 0.189 | 0.137 | 27.5# | 48# | -0.01 |
| 33 | | 4-Chloroaniline | 0.390 | 0.394 | -1.0 | 76 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.140 | 0.146 | -4.3 | 79 | -0.02 |
| 35 | | Caprolactam | 0.085 | 0.088 | -3.5 | 76 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.277 | 0.282 | -1.8 | 76 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.653 | -1.9 | 77 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 75 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.547 | 0.594 | -8.6 | 82 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.256 | 0.148 | 42.2# | 40# | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.158 | 0.158 | 0.0 | 73 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.387 | 0.397 | -2.6 | 76 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.419 | 0.427 | -1.9 | 73 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.311 | 1.392 | -6.2 | 80 | -0.02 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.613 | 1.672 | -3.7 | 77 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.263 | 1.302 | -3.1 | 78 | -0.02 |
| 47 | | 2-Nitroaniline | 0.375 | 0.396 | -5.6 | 75 | -0.01 |
| 48 | | Acenaphthylene | 2.099 | 2.106 | -0.3 | 75 | -0.02 |
| 49 | | Dimethylphthalate | 1.422 | 1.517 | -6.7 | 80 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.326 | 0.348 | -6.7 | 77 | -0.01 |
| 51 | C | Acenaphthene | 1.225 | 1.220 | 0.4 | 75 | -0.02 |
| 52 | | 3-Nitroaniline | 0.383 | 0.394 | -2.9 | 75 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.155 | 0.069 | 55.5# | 32# | -0.02 |
| 54 | | Dibenzofuran | 1.667 | 1.632 | 2.1 | 72 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.300 | 0.255 | 15.0 | 60 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.409 | 0.401 | 2.0 | 69 | -0.01 |
| 57 | | Fluorene | 1.382 | 1.351 | 2.2 | 78 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.287 | 0.275 | 4.2 | 70 | 0.00 |
| 59 | | Diethylphthalate | 1.405 | 1.448 | -3.1 | 77 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.589 | 0.584 | 0.8 | 78 | -0.02 |
| 61 | | 4-Nitroaniline | 0.367 | 0.374 | -1.9 | 73 | -0.01 |
| 62 | | Azobenzene | 1.329 | 1.295 | 2.6 | 72 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 70 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.078 | 36.1# | 42# | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.692 | 0.744 | -7.5 | 76 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.197 | 0.214 | -8.6 | 76 | -0.02 |
| 67 | | Hexachlorobenzene | 0.199 | 0.212 | -6.5 | 75 | -0.02 |
| 68 | | Atrazine | 0.207 | 0.224 | -8.2 | 75 | -0.01 |
| 69 | C | Pentachlorophenol | 0.124 | 0.109 | 12.1 | 60 | 0.00 |
| 70 | | Phenanthrene | 1.113 | 1.134 | -1.9 | 73 | -0.02 |
| 71 | | Anthracene | 1.146 | 1.167 | -1.8 | 72 | -0.02 |
| 72 | | Carbazole | 1.175 | 1.160 | 1.3 | 70 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.222 | 1.324 | -8.3 | 75 | -0.02 |
| 74 | C | Fluoranthene | 1.139 | 1.062 | 6.8 | 66 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 60 | -0.02 |
| 76 | | Benzidine | 0.792 | 0.658 | 16.9 | 49# | -0.01 |
| 77 | | Pyrene | 1.451 | 1.569 | -8.1 | 65 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.892 | 1.014 | -13.7 | 69 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.618 | 0.721 | -16.7 | 67 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.166 | 1.193 | -2.3 | 61 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.417 | 0.428 | -2.6 | 59 | -0.02 |
| 82 | | Chrysene | 1.082 | 1.112 | -2.8 | 62 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.844 | 1.000 | -18.5 | 68 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.410 | 1.606 | -13.9 | 65 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.937 | 1.025 | -9.4 | 68 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 67 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.226 | 1.198 | 2.3 | 64 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.199 | 1.188 | 0.9 | 64 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.129 | 1.134 | -0.4 | 65 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.956 | 0.983 | -2.8 | 69 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.964 | 0.958 | 0.6 | 67 | -0.02 |

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