# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030217\
Data File : BF093323.D
Acq On : 2 Mar 2017 16:08
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 03 00:43:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 03 00:22:20 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 | 103 | -0.06 |
| 2 | | 1,4-Dioxane | 0.630 | 0.624 | 1.0 | 104 | -0.11 |
| 3 | | Pyridine | 1.602 | 1.702 | -6.2 | 108 | -0.14 |
| 4 | | n-Nitrosodimethylamine | 0.752 | 0.823 | -9.4 | 112 | -0.13 |
| 5 | S | 2-Fluorophenol | 1.166 | 1.207 | -3.5 | 102 | -0.07 |
| 6 | | Aniline | 2.046 | 2.039 | 0.3 | 105 | -0.06 |
| 7 | S | Phenol-d6 | 1.500 | 1.494 | 0.4 | 103 | -0.05 |
| 8 | | 2-Chlorophenol | 1.286 | 1.314 | -2.2 | 105 | -0.06 |
| 9 | | Benzaldehyde | 1.075 | 0.952 | 11.4 | 89 | -0.06 |
| 10 | C | Phenol | 1.755 | 1.682 | 4.2 | 104 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 1.401 | 1.393 | 0.6 | 107 | -0.06 |
| 12 | | 1,3-Dichlorobenzene | 1.506 | 1.517 | -0.7 | 106 | -0.06 |
| 13 | C | 1,4-Dichlorobenzene | 1.525 | 1.524 | 0.1 | 106 | -0.07 |
| 14 | | 1,2-Dichlorobenzene | 1.458 | 1.434 | 1.6 | 100 | -0.06 |
| 15 | | Benzyl Alcohol | 1.110 | 1.058 | 4.7 | 101 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.434 | 2.440 | -0.2 | 104 | -0.06 |
| 17 | | 2-Methylphenol | 1.103 | 1.104 | -0.1 | 98 | -0.05 |
| 18 | | Hexachloroethane | 0.520 | 0.542 | -4.2 | 107 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.955 | 0.919 | 3.8 | 109 | -0.06 |
| 20 | | 3+4-Methylphenols | 1.319 | 1.444 | -9.5 | 110 | -0.05 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 101 | -0.06 |
| 22 | | Acetophenone | 0.457 | 0.475 | -3.9 | 108 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 0.359 | 0.388 | -8.1 | 108 | -0.05 |
| 24 | | Nitrobenzene | 0.369 | 0.387 | -4.9 | 113 | -0.06 |
| 25 | | Isophorone | 0.669 | 0.726 | -8.5 | 112 | -0.06 |
| 26 | C | 2-Nitrophenol | 0.175 | 0.192 | -9.7 | 102 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 0.308 | 0.319 | -3.6 | 99 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 0.443 | 0.498 | -12.4 | 114 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.287 | 0.0 | 105 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 0.309 | 0.297 | 3.9 | 99 | -0.06 |
| 31 | | Naphthalene | 1.014 | 0.959 | 5.4 | 98 | -0.06 |
| 32 | | Benzoic acid | 0.156 | 0.125 | 19.9 | 73 | -0.02 |
| 33 | | 4-Chloroaniline | 0.398 | 0.394 | 1.0 | 98 | -0.05 |
| 34 | C | Hexachlorobutadiene | 0.170 | 0.157 | 7.6 | 93 | -0.06 |
| 35 | | Caprolactam | 0.090 | 0.094 | -4.4 | 98 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.299 | 0.320 | -7.0 | 106 | -0.03 |
| 37 | | 2-Methylnaphthalene | 0.651 | 0.625 | 4.0 | 97 | -0.05 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.561 | 0.608 | -8.4 | 105 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 0.253 | 0.270 | -6.7 | 101 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 0.145 | 0.136 | 6.2 | 83 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 0.369 | 0.365 | 1.1 | 89 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 0.404 | 0.402 | 0.5 | 98 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 1.104 | 1.028 | 6.9 | 84 | -0.05 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.448 | 1.558 | -7.6 | 99 | -0.05 |
| 46 | | 2-Chloronaphthalene | 1.133 | 1.168 | -3.1 | 93 | -0.05 |
| 47 | | 2-Nitroaniline | 0.381 | 0.412 | -8.1 | 110 | -0.05 |
| 48 | | Acenaphthylene | 1.957 | 1.953 | 0.2 | 103 | -0.05 |
| 49 | | Dimethylphthalate | 1.347 | 1.458 | -8.2 | 103 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 0.291 | 0.353 | -21.3 | 113 | -0.03 |
| 51 | C | Acenaphthene | 1.170 | 1.154 | 1.4 | 100 | -0.03 |
| 52 | | 3-Nitroaniline | 0.333 | 0.411 | -23.4 | 110 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 0.130 | 0.164 | -26.2# | 115 | -0.02 |
| 54 | | Dibenzofuran | 1.565 | 1.550 | 1.0 | 102 | -0.03 |
| 55 | P | 4-Nitrophenol | 0.240 | 0.193 | 19.6 | 78 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.387 | 0.398 | -2.8 | 87 | -0.02 |
| 57 | | Fluorene | 1.204 | 1.364 | -13.3 | 111 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.270 | 0.278 | -3.0 | 88 | -0.03 |
| 59 | | Diethylphthalate | 1.270 | 1.356 | -6.8 | 99 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 0.578 | 0.581 | -0.5 | 99 | -0.03 |
| 61 | | 4-Nitroaniline | 0.341 | 0.389 | -14.1 | 110 | -0.02 |
| 62 | | Azobenzene | 1.312 | 1.522 | -16.0 | 111 | -0.03 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 103 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.103 | 0.131 | -27.2# | 112 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.639 | 0.666 | -4.2 | 107 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.207 | 1.0 | 105 | -0.03 |
| 67 | | Hexachlorobenzene | 0.206 | 0.200 | 2.9 | 103 | -0.03 |
| 68 | | Atrazine | 0.205 | 0.184 | 10.2 | 99 | -0.03 |
| 69 | C | Pentachlorophenol | 0.089 | 0.088 | 1.1 | 96 | -0.02 |
| 70 | | Phenanthrene | 1.146 | 1.110 | 3.1 | 99 | -0.03 |
| 71 | | Anthracene | 1.151 | 1.067 | 7.3 | 99 | -0.05 |
| 72 | | Carbazole | 1.100 | 1.044 | 5.1 | 93 | -0.03 |
| 73 | | Di-n-butylphthalate | 1.190 | 1.262 | -6.1 | 110 | -0.03 |
| 74 | C | Fluoranthene | 1.182 | 1.149 | 2.8 | 98 | -0.03 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | -0.03 |
| 76 | | Benzidine | 0.852 | 0.828 | 2.8 | 92 | -0.03 |
| 77 | | Pyrene | 1.497 | 1.599 | -6.8 | 95 | -0.03 |
| 78 | S | Terphenyl-d14 | 0.851 | 0.811 | 4.7 | 93 | -0.05 |
| 79 | | Butylbenzylphthalate | 0.608 | 0.666 | -9.5 | 103 | -0.05 |
| 80 | | Benzo(a)anthracene | 1.223 | 1.232 | -0.7 | 93 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 0.436 | 0.419 | 3.9 | 88 | -0.05 |
| 82 | | Chrysene | 1.145 | 1.222 | -6.7 | 93 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.831 | 0.944 | -13.6 | 103 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 1.354 | 1.451 | -7.2 | 96 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.887 | 0.810 | 8.7 | 90 | -0.06 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 90 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 1.316 | 1.550 | -17.8 | 100 | -0.05 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.137 | 0.933 | 17.9 | 80 | -0.05 |
| 89 C | Benzo(a)pyrene | 1.139 | 1.133 | 0.5 | 89 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 0.920 | 0.870 | 5.4 | 90 | -0.07 |
| 91 | Benzo(g,h,i)perylene | 0.930 | 0.907 | 2.5 | 93 | -0.08 |

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