# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF050817\
Data File : BF094983.D
Acq On : 8 May 2017 16:43
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 08 17:14:36 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 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 | 87 | -0.02 |
| 2 | | 1,4-Dioxane | 0.588 | 0.642 | -9.2 | 100 | -0.02 |
| 3 | | Pyridine | 1.364 | 1.580 | -15.8 | 104 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.568 | 0.596 | -4.9 | 95 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.200 | 1.227 | -2.3 | 90 | -0.02 |
| 6 | | Aniline | 1.817 | 1.883 | -3.6 | 86 | -0.02 |
| 7 | S | Phenol-d6 | 1.439 | 1.466 | -1.9 | 89 | -0.02 |
| 8 | | 2-Chlorophenol | 1.365 | 1.387 | -1.6 | 90 | -0.02 |
| 9 | | Benzaldehyde | 0.879 | 0.833 | 5.2 | 81 | -0.01 |
| 10 | C | Phenol | 1.517 | 1.511 | 0.4 | 87 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.252 | 1.261 | -0.7 | 87 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.549 | 1.567 | -1.2 | 95 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.571 | 1.591 | -1.3 | 88 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.466 | 1.506 | -2.7 | 90 | -0.02 |
| 15 | | Benzyl Alcohol | 0.926 | 0.981 | -5.9 | 88 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.772 | 1.710 | 3.5 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 1.117 | 1.152 | -3.1 | 94 | -0.02 |
| 18 | | Hexachloroethane | 0.532 | 0.534 | -0.4 | 87 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.973 | 0.985 | -1.2 | 90 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.518 | 1.546 | -1.8 | 89 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | -0.02 |
| 22 | | Acetophenone | 0.480 | 0.477 | 0.6 | 90 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.317 | 0.318 | -0.3 | 89 | -0.02 |
| 24 | | Nitrobenzene | 0.332 | 0.333 | -0.3 | 91 | -0.01 |
| 25 | | Isophorone | 0.566 | 0.567 | -0.2 | 89 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.190 | -6.1 | 92 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.291 | -0.3 | 93 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.390 | 0.5 | 89 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.276 | -0.7 | 93 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.290 | 1.0 | 90 | -0.01 |
| 31 | | Naphthalene | 1.005 | 1.004 | 0.1 | 91 | -0.02 |
| 32 | | Benzoic acid | 0.177 | 0.170 | 4.0 | 89 | 0.00 |
| 33 | | 4-Chloroaniline | 0.375 | 0.409 | -9.1 | 98 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.155 | 0.151 | 2.6 | 89 | -0.02 |
| 35 | | Caprolactam | 0.082 | 0.090 | -9.8 | 94 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.293 | 0.306 | -4.4 | 94 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.660 | 0.680 | -3.0 | 94 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 102 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.615 | 0.580 | 5.7 | 91 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.221 | 0.186 | 15.8 | 78 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.164 | 0.168 | -2.4 | 98 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.411 | 0.386 | 6.1 | 91 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.441 | 0.421 | 4.5 | 92 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.390 | 1.309 | 5.8 | 94 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.684 | 1.671 | 0.8 | 96 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.360 | 1.335 | 1.8 | 97 | -0.02 |
| 47 | | 2-Nitroaniline | 0.372 | 0.382 | -2.7 | 102 | -0.01 |
| 48 | | Acenaphthylene | 2.130 | 2.106 | 1.1 | 98 | -0.02 |
| 49 | | Dimethylphthalate | 1.642 | 1.605 | 2.3 | 96 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.335 | 0.342 | -2.1 | 99 | -0.01 |
| 51 | C | Acenaphthene | 1.272 | 1.257 | 1.2 | 98 | -0.02 |
| 52 | | 3-Nitroaniline | 0.360 | 0.382 | -6.1 | 103 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.156 | 0.164 | -5.1 | 100 | 0.00 |
| 54 | | Dibenzofuran | 1.760 | 1.791 | -1.8 | 102 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.216 | 0.227 | -5.1 | 97 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.430 | 0.438 | -1.9 | 98 | 0.00 |
| 57 | | Fluorene | 1.531 | 1.481 | 3.3 | 99 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.278 | 0.293 | -5.4 | 105 | -0.02 |
| 59 | | Diethylphthalate | 1.574 | 1.503 | 4.5 | 97 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.673 | 0.657 | 2.4 | 96 | -0.02 |
| 61 | | 4-Nitroaniline | 0.330 | 0.328 | 0.6 | 99 | 0.00 |
| 62 | | Azobenzene | 1.265 | 1.272 | -0.6 | 97 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 97 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.141 | -5.2 | 100 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.726 | 0.712 | 1.9 | 96 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.210 | 0.5 | 94 | -0.02 |
| 67 | | Hexachlorobenzene | 0.217 | 0.217 | 0.0 | 97 | -0.02 |
| 68 | | Atrazine | 0.205 | 0.206 | -0.5 | 102 | -0.02 |
| 69 | C | Pentachlorophenol | 0.085 | 0.089 | -4.7 | 109 | -0.01 |
| 70 | | Phenanthrene | 1.149 | 1.136 | 1.1 | 98 | -0.02 |
| 71 | | Anthracene | 1.174 | 1.202 | -2.4 | 101 | -0.02 |
| 72 | | Carbazole | 1.068 | 1.107 | -3.7 | 103 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.332 | 1.371 | -2.9 | 99 | -0.02 |
| 74 | C | Fluoranthene | 1.179 | 1.191 | -1.0 | 98 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 104 | -0.01 |
| 76 | | Benzidine | 0.465 | 0.522 | -12.3 | 102 | -0.01 |
| 77 | | Pyrene | 1.496 | 1.477 | 1.3 | 101 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.908 | 0.795 | 12.4 | 91 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.696 | 0.668 | 4.0 | 98 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.164 | 1.112 | 4.5 | 99 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.402 | 0.380 | 5.5 | 94 | -0.02 |
| 82 | | Chrysene | 1.125 | 1.137 | -1.1 | 104 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.991 | 0.917 | 7.5 | 93 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.625 | 1.497 | 7.9 | 93 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.914 | 0.813 | 11.1 | 94 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 104 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.236 | 1.268 | -2.6 | 98 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.192 | 1.183 | 0.8 | 100 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.140 | 1.157 | -1.5 | 101 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.942 | 0.873 | 7.3 | 94 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.924 | 0.832 | 10.0 | 94 | 0.00 |

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