# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF050917\
Data File : BF095048.D
Acq On : 10 May 2017 6:16
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 10 07:04:55 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 | 113 | -0.02 |
| 2 | | 1,4-Dioxane | 0.588 | 0.729 | -24.0 | 148 | -0.05 |
| 3 | | Pyridine | 1.364 | 1.462 | -7.2 | 125 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.568 | 0.570 | -0.4 | 118 | -0.04 |
| 5 | S | 2-Fluorophenol | 1.200 | 1.228 | -2.3 | 117 | -0.03 |
| 6 | | Aniline | 1.817 | 1.956 | -7.6 | 117 | -0.02 |
| 7 | S | Phenol-d6 | 1.439 | 1.470 | -2.2 | 116 | -0.02 |
| 8 | | 2-Chlorophenol | 1.365 | 1.410 | -3.3 | 119 | -0.02 |
| 9 | | Benzaldehyde | 0.879 | 0.867 | 1.4 | 110 | -0.02 |
| 10 | C | Phenol | 1.517 | 1.501 | 1.1 | 113 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.252 | 1.237 | 1.2 | 112 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.549 | 1.547 | 0.1 | 122 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.571 | 1.584 | -0.8 | 114 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.466 | 1.461 | 0.3 | 114 | -0.02 |
| 15 | | Benzyl Alcohol | 0.926 | 1.120 | -21.0 | 131 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.772 | 1.671 | 5.7 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 1.117 | 1.136 | -1.7 | 120 | -0.02 |
| 18 | | Hexachloroethane | 0.532 | 0.494 | 7.1 | 104 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.973 | 0.960 | 1.3 | 114 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.518 | 1.470 | 3.2 | 110 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 111 | -0.02 |
| 22 | | Acetophenone | 0.480 | 0.489 | -1.9 | 115 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.317 | 0.321 | -1.3 | 112 | -0.02 |
| 24 | | Nitrobenzene | 0.332 | 0.332 | 0.0 | 114 | -0.01 |
| 25 | | Isophorone | 0.566 | 0.618 | -9.2 | 122 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.180 | -0.6 | 110 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.291 | -0.3 | 116 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.389 | 0.8 | 112 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.283 | -3.3 | 120 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.294 | -0.3 | 115 | -0.02 |
| 31 | | Naphthalene | 1.005 | 0.980 | 2.5 | 111 | -0.02 |
| 32 | | Benzoic acid | 0.177 | 0.162 | 8.5 | 106 | 0.02 |
| 33 | | 4-Chloroaniline | 0.375 | 0.398 | -6.1 | 119 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.155 | 0.147 | 5.2 | 109 | -0.03 |
| 35 | | Caprolactam | 0.082 | 0.089 | -8.5 | 117 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.293 | 0.295 | -0.7 | 114 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.660 | 0.675 | -2.3 | 117 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 113 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.615 | 0.617 | -0.3 | 108 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.221 | 0.081 | 63.3# | 38# | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 0.164 | 0.158 | 3.7 | 102 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.411 | 0.428 | -4.1 | 112 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.441 | 0.412 | 6.6 | 100 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.390 | 1.375 | 1.1 | 109 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.684 | 1.704 | -1.2 | 109 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.360 | 1.332 | 2.1 | 108 | -0.02 |
| 47 | | 2-Nitroaniline | 0.372 | 0.380 | -2.2 | 113 | -0.01 |
| 48 | | Acenaphthylene | 2.130 | 2.168 | -1.8 | 112 | -0.02 |
| 49 | | Dimethylphthalate | 1.642 | 1.587 | 3.3 | 106 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.335 | 0.352 | -5.1 | 113 | -0.01 |
| 51 | C | Acenaphthene | 1.272 | 1.276 | -0.3 | 111 | -0.02 |
| 52 | | 3-Nitroaniline | 0.360 | 0.378 | -5.0 | 113 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.156 | 0.030# | 80.8# | 20# | 0.02 |
| 54 | | Dibenzofuran | 1.760 | 1.978 | -12.4 | 126 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.216 | 0.203 | 6.0 | 97 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.430 | 0.472 | -9.8 | 117 | 0.00 |
| 57 | | Fluorene | 1.531 | 1.489 | 2.7 | 110 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.278 | 0.313 | -12.6 | 125 | -0.01 |
| 59 | | Diethylphthalate | 1.574 | 1.566 | 0.5 | 113 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.673 | 0.674 | -0.1 | 110 | -0.02 |
| 61 | | 4-Nitroaniline | 0.330 | 0.302 | 8.5 | 102 | 0.00 |
| 62 | | Azobenzene | 1.265 | 1.322 | -4.5 | 112 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.042 | 68.7# | 32# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.726 | 0.715 | 1.5 | 103 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.222 | -5.2 | 107 | -0.02 |
| 67 | | Hexachlorobenzene | 0.217 | 0.212 | 2.3 | 102 | -0.02 |
| 68 | | Atrazine | 0.205 | 0.204 | 0.5 | 108 | -0.02 |
| 69 | C | Pentachlorophenol | 0.085 | 0.080 | 5.9 | 104 | -0.01 |
| 70 | | Phenanthrene | 1.149 | 1.164 | -1.3 | 107 | -0.02 |
| 71 | | Anthracene | 1.174 | 1.207 | -2.8 | 108 | -0.02 |
| 72 | | Carbazole | 1.068 | 1.060 | 0.7 | 106 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.332 | 1.417 | -6.4 | 109 | -0.02 |
| 74 | C | Fluoranthene | 1.179 | 1.042 | 11.6 | 92 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 87 | -0.02 |
| 76 | | Benzidine | 0.465 | 0.505 | -8.6 | 83 | -0.01 |
| 77 | | Pyrene | 1.496 | 1.511 | -1.0 | 87 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.908 | 0.840 | 7.5 | 81 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.696 | 0.657 | 5.6 | 80 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.164 | 1.162 | 0.2 | 87 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.402 | 0.406 | -1.0 | 84 | -0.02 |
| 82 | | Chrysene | 1.125 | 1.090 | 3.1 | 83 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.991 | 0.997 | -0.6 | 85 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.625 | 1.636 | -0.7 | 85 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.914 | 1.028 | -12.5 | 100 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 105 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.236 | 1.194 | 3.4 | 93 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.192 | 1.230 | -3.2 | 105 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.140 | 1.150 | -0.9 | 101 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 0.942 | 0.884 | 6.2 | 96 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.924 | 0.862 | 6.7 | 98 | -0.01 |

(#) = Out of Range SPCC's out = 1 CCC's out = 0