# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110417\
Data File : BF100171.D
Acq On : 4 Nov 2017 11:56
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 06 09:31:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 0.563 | 0.528 | 6.2 | 88 | 0.00 |
| 3 | | Pyridine | 1.353 | 1.251 | 7.5 | 81 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.483 | 0.421 | 12.8 | 76 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.274 | 1.287 | -1.0 | 93 | 0.00 |
| 6 | | Aniline | 1.959 | 1.849 | 5.6 | 88 | 0.00 |
| 7 | S | Phenol-d6 | 1.511 | 1.467 | 2.9 | 91 | 0.00 |
| 8 | | 2-Chlorophenol | 1.358 | 1.362 | -0.3 | 92 | 0.00 |
| 9 | | Benzaldehyde | 0.903 | 0.782 | 13.4 | 81 | 0.00 |
| 10 | C | Phenol | 1.658 | 1.571 | 5.2 | 88 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.281 | 1.279 | 0.2 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.524 | 1.503 | 1.4 | 93 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.547 | 1.545 | 0.1 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.410 | 1.377 | 2.3 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 0.961 | 0.954 | 0.7 | 95 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.423 | 1.353 | 4.9 | 89 | -0.01 |
| 17 | | 2-Methylphenol | 1.136 | 1.108 | 2.5 | 91 | 0.00 |
| 18 | | Hexachloroethane | 0.516 | 0.497 | 3.7 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.885 | 0.891 | -0.7 | 96 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.322 | 1.434 | -8.5 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.455 | 0.454 | 0.2 | 97 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.311 | 0.296 | 4.8 | 91 | -0.01 |
| 24 | | Nitrobenzene | 0.313 | 0.302 | 3.5 | 90 | 0.00 |
| 25 | | Isophorone | 0.564 | 0.544 | 3.5 | 91 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.186 | -3.9 | 94 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.264 | 0.263 | 0.4 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.395 | 0.391 | 1.0 | 95 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.285 | -4.0 | 97 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.287 | 2.0 | 92 | 0.00 |
| 31 | | Naphthalene | 0.965 | 0.936 | 3.0 | 92 | 0.00 |
| 32 | | Benzoic acid | 0.233 | 0.239 | -2.6 | 99 | 0.00 |
| 33 | | 4-Chloroaniline | 0.399 | 0.384 | 3.8 | 90 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.151 | 0.150 | 0.7 | 96 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.084 | 2.3 | 90 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.280 | 0.272 | 2.9 | 92 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.647 | 0.637 | 1.5 | 95 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 94 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.646 | 0.656 | -1.5 | 96 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.093 | 0.107 | -15.1 | 105 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.182 | 0.168 | 7.7 | 87 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.391 | 0.382 | 2.3 | 93 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.415 | 0.370 | 10.8 | 81 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.296 | 1.268 | 2.2 | 91 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.809 | 1.786 | 1.3 | 94 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.314 | 1.272 | 3.2 | 91 | -0.01 |
| 47 | | 2-Nitroaniline | 0.345 | 0.327 | 5.2 | 87 | 0.00 |
| 48 | | Acenaphthylene | 2.024 | 1.939 | 4.2 | 91 | -0.01 |
| 49 | | Dimethylphthalate | 1.584 | 1.448 | 8.6 | 86 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.333 | 0.313 | 6.0 | 87 | -0.01 |
| 51 | C | Acenaphthene | 1.237 | 1.193 | 3.6 | 93 | -0.01 |
| 52 | | 3-Nitroaniline | 0.392 | 0.362 | 7.7 | 86 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.114 | 0.093 | 18.4 | 73 | 0.00 |
| 54 | | Dibenzofuran | 1.746 | 1.713 | 1.9 | 94 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.205 | 0.168 | 18.0 | 73 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.401 | 0.417 | -4.0 | 97 | 0.00 |
| 57 | | Fluorene | 1.445 | 1.381 | 4.4 | 92 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.291 | 0.269 | 7.6 | 85 | 0.00 |
| 59 | | Diethylphthalate | 1.547 | 1.425 | 7.9 | 88 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.680 | 0.656 | 3.5 | 93 | 0.00 |
| 61 | | 4-Nitroaniline | 0.374 | 0.327 | 12.6 | 80 | 0.00 |
| 62 | | Azobenzene | 1.297 | 1.171 | 9.7 | 84 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.104 | 17.5 | 67 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.738 | 0.767 | -3.9 | 89 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.223 | -5.7 | 90 | 0.00 |
| 67 | | Hexachlorobenzene | 0.215 | 0.219 | -1.9 | 86 | 0.00 |
| 68 | | Atrazine | 0.222 | 0.218 | 1.8 | 81 | -0.01 |
| 69 | C | Pentachlorophenol | 0.092 | 0.076 | 17.4 | 69 | 0.00 |
| 70 | | Phenanthrene | 1.129 | 1.092 | 3.3 | 83 | -0.01 |
| 71 | | Anthracene | 1.146 | 1.117 | 2.5 | 84 | -0.01 |
| 72 | | Carbazole | 1.077 | 1.009 | 6.3 | 80 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.374 | 1.307 | 4.9 | 80 | -0.01 |
| 74 | C | Fluoranthene | 1.173 | 0.976 | 16.8 | 71 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 57 | -0.01 |
| 76 | | Benzidine | 0.875 | 0.747 | 14.6 | 50# | -0.01 |
| 77 | | Pyrene | 1.521 | 1.813 | -19.2 | 67 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.915 | 1.101 | -20.3 | 70 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.749 | 0.816 | -8.9 | 60 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.268 | 1.229 | 3.1 | 55 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.460 | 0.429 | 6.7 | 52 | -0.01 |
| 82 | | Chrysene | 1.192 | 1.171 | 1.8 | 55 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.052 | 1.021 | 2.9 | 56 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.805 | 1.631 | 9.6 | 50 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.094 | 1.217 | -11.2 | 66 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 61 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.263 | 1.172 | 7.2 | 59 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.191 | 1.098 | 7.8 | 53 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.134 | 1.102 | 2.8 | 59 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.008 | 1.051 | -4.3 | 65 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.986 | 1.032 | -4.7 | 65 | -0.02 |

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