# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF041017\
Data File : BF094303.D
Acq On : 10 Apr 2017 11:33
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 11 06:59:52 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 | 83 | -0.02 |
| 2 | | 1,4-Dioxane | 0.569 | 0.560 | 1.6 | 80 | -0.03 |
| 3 | | Pyridine | 1.550 | 1.479 | 4.6 | 76 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.638 | 0.647 | -1.4 | 80 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.184 | 1.180 | 0.3 | 82 | 0.00 |
| 6 | | Aniline | 2.038 | 1.961 | 3.8 | 77 | -0.01 |
| 7 | S | Phenol-d6 | 1.465 | 1.442 | 1.6 | 81 | 0.02 |
| 8 | | 2-Chlorophenol | 1.302 | 1.340 | -2.9 | 83 | 0.00 |
| 9 | | Benzaldehyde | 0.989 | 0.879 | 11.1 | 73 | -0.02 |
| 10 | C | Phenol | 1.667 | 1.497 | 10.2 | 70 | 0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.303 | 1.342 | -3.0 | 84 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.460 | 1.512 | -3.6 | 84 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.479 | 1.540 | -4.1 | 85 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.362 | 1.386 | -1.8 | 83 | -0.01 |
| 15 | | Benzyl Alcohol | 1.072 | 1.008 | 6.0 | 75 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.007 | 1.862 | 7.2 | 74 | -0.02 |
| 17 | | 2-Methylphenol | 1.115 | 1.116 | -0.1 | 81 | 0.01 |
| 18 | | Hexachloroethane | 0.520 | 0.542 | -4.2 | 83 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.941 | 1.012 | -7.5 | 88 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.350 | 1.540 | -14.1 | 95 | 0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | -0.02 |
| 22 | | Acetophenone | 0.446 | 0.476 | -6.7 | 92 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.350 | 0.354 | -1.1 | 84 | -0.01 |
| 24 | | Nitrobenzene | 0.346 | 0.348 | -0.6 | 83 | -0.01 |
| 25 | | Isophorone | 0.616 | 0.612 | 0.6 | 83 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.165 | 0.183 | -10.9 | 87 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.285 | -0.4 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.401 | 1.2 | 83 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.273 | -2.6 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.274 | 0.276 | -0.7 | 84 | -0.02 |
| 31 | | Naphthalene | 0.962 | 0.967 | -0.5 | 85 | -0.01 |
| 32 | | Benzoic acid | 0.189 | 0.177 | 6.3 | 69 | 0.01 |
| 33 | | 4-Chloroaniline | 0.390 | 0.386 | 1.0 | 82 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.140 | 0.145 | -3.6 | 86 | -0.02 |
| 35 | | Caprolactam | 0.085 | 0.087 | -2.4 | 83 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.277 | 0.283 | -2.2 | 85 | 0.01 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.647 | -0.9 | 85 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 86 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.547 | 0.568 | -3.8 | 89 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.256 | 0.254 | 0.8 | 79 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.158 | 0.165 | -4.4 | 87 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.387 | 0.400 | -3.4 | 87 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.419 | 0.430 | -2.6 | 84 | 0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.311 | 1.338 | -2.1 | 88 | -0.01 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.613 | 1.620 | -0.4 | 86 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.263 | 1.266 | -0.2 | 86 | -0.01 |
| 47 | | 2-Nitroaniline | 0.375 | 0.386 | -2.9 | 84 | 0.00 |
| 48 | | Acenaphthylene | 2.099 | 2.074 | 1.2 | 84 | -0.01 |
| 49 | | Dimethylphthalate | 1.422 | 1.470 | -3.4 | 89 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.326 | 0.345 | -5.8 | 87 | -0.01 |
| 51 | C | Acenaphthene | 1.225 | 1.213 | 1.0 | 86 | -0.02 |
| 52 | | 3-Nitroaniline | 0.383 | 0.399 | -4.2 | 87 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.155 | 0.159 | -2.6 | 83 | 0.00 |
| 54 | | Dibenzofuran | 1.667 | 1.592 | 4.5 | 81 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.300 | 0.290 | 3.3 | 78 | 0.03 |
| 56 | | 2,4-Dinitrotoluene | 0.409 | 0.402 | 1.7 | 79 | -0.01 |
| 57 | | Fluorene | 1.382 | 1.338 | 3.2 | 88 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.287 | 0.291 | -1.4 | 84 | 0.00 |
| 59 | | Diethylphthalate | 1.405 | 1.416 | -0.8 | 86 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.589 | 0.567 | 3.7 | 87 | -0.01 |
| 61 | | 4-Nitroaniline | 0.367 | 0.372 | -1.4 | 83 | 0.00 |
| 62 | | Azobenzene | 1.329 | 1.306 | 1.7 | 83 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 85 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.135 | -10.7 | 88 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.692 | 0.702 | -1.4 | 87 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.197 | 0.201 | -2.0 | 86 | -0.01 |
| 67 | | Hexachlorobenzene | 0.199 | 0.211 | -6.0 | 91 | -0.01 |
| 68 | | Atrazine | 0.207 | 0.211 | -1.9 | 86 | 0.00 |
| 69 | C | Pentachlorophenol | 0.124 | 0.122 | 1.6 | 81 | 0.00 |
| 70 | | Phenanthrene | 1.113 | 1.119 | -0.5 | 87 | -0.01 |
| 71 | | Anthracene | 1.146 | 1.156 | -0.9 | 87 | -0.01 |
| 72 | | Carbazole | 1.175 | 1.159 | 1.4 | 84 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.222 | 1.262 | -3.3 | 87 | -0.01 |
| 74 | C | Fluoranthene | 1.139 | 1.145 | -0.5 | 87 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 85 | -0.01 |
| 76 | | Benzidine | 0.792 | 0.705 | 11.0 | 73 | 0.00 |
| 77 | | Pyrene | 1.451 | 1.464 | -0.9 | 85 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.892 | 0.908 | -1.8 | 88 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.618 | 0.665 | -7.6 | 87 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.166 | 1.200 | -2.9 | 86 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.417 | 0.431 | -3.4 | 83 | -0.01 |
| 82 | | Chrysene | 1.082 | 1.075 | 0.6 | 84 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.844 | 0.886 | -5.0 | 85 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.410 | 1.559 | -10.6 | 88 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.937 | 0.934 | 0.3 | 87 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.226 | 1.251 | -2.0 | 89 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.199 | 1.207 | -0.7 | 87 | -0.01 |
| 89 C | Benzo(a)pyrene | 1.129 | 1.133 | -0.4 | 87 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.956 | 0.949 | 0.7 | 88 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.964 | 0.948 | 1.7 | 88 | 0.00 |

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