# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011117\
Data File : BF092200.D
Acq On : 11 Jan 2017 16:42
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 11 23:48:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 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 | 73 | -0.03 |
| 2 | | 1,4-Dioxane | 0.590 | 0.660 | -11.9 | 80 | -0.02 |
| 3 | | Pyridine | 2.058 | 2.180 | -5.9 | 74 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.776 | 0.858 | -10.6 | 77 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.198 | 1.295 | -8.1 | 81 | -0.03 |
| 6 | | Aniline | 1.899 | 1.947 | -2.5 | 74 | -0.03 |
| 7 | S | Phenol-d6 | 1.462 | 1.511 | -3.4 | 73 | -0.02 |
| 8 | | 2-Chlorophenol | 1.362 | 1.407 | -3.3 | 73 | -0.03 |
| 9 | | Benzaldehyde | 0.904 | 0.785 | 13.2 | 67 | -0.03 |
| 10 | C | Phenol | 1.666 | 1.895 | -13.7 | 76 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.326 | 1.386 | -4.5 | 70 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 1.455 | 1.579 | -8.5 | 74 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.480 | 1.584 | -7.0 | 76 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 1.285 | 1.254 | 2.4 | 72 | -0.03 |
| 15 | | Benzyl Alcohol | 1.136 | 1.147 | -1.0 | 72 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.975 | 2.051 | -3.8 | 75 | -0.03 |
| 17 | | 2-Methylphenol | 1.096 | 1.136 | -3.6 | 75 | -0.02 |
| 18 | | Hexachloroethane | 0.549 | 0.585 | -6.6 | 73 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.973 | 0.972 | 0.1 | 68 | -0.03 |
| 20 | | 3+4-Methylphenols | 1.307 | 1.551 | -18.7 | 81 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 74 | -0.03 |
| 22 | | Acetophenone | 0.493 | 0.514 | -4.3 | 76 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.360 | 0.374 | -3.9 | 80 | -0.02 |
| 24 | | Nitrobenzene | 0.383 | 0.337 | 12.0 | 59 | -0.03 |
| 25 | | Isophorone | 0.664 | 0.669 | -0.8 | 75 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.189 | 0.195 | -3.2 | 78 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 0.313 | 0.275 | 12.1 | 60 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.377 | 6.2 | 67 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.266 | -0.4 | 72 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 0.291 | 0.289 | 0.7 | 70 | -0.03 |
| 31 | | Naphthalene | 0.915 | 0.975 | -6.6 | 72 | -0.03 |
| 32 | | Benzoic acid | 0.232 | 0.246 | -6.0 | 74 | 0.01 |
| 33 | | 4-Chloroaniline | 0.413 | 0.403 | 2.4 | 71 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.153 | 0.162 | -5.9 | 76 | -0.05 |
| 35 | | Caprolactam | 0.087 | 0.090 | -3.4 | 74 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.305 | 0.300 | 1.6 | 68 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.628 | 0.580 | 7.6 | 75 | -0.03 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 74 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.505 | 0.502 | 0.6 | 66 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 0.199 | 0.179 | 10.1 | 57 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 0.166 | 0.166 | 0.0 | 76 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 0.353 | 0.364 | -3.1 | 69 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.364 | 0.360 | 1.1 | 70 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.042 | 1.226 | -17.7 | 89 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.369 | 1.380 | -0.8 | 65 | -0.03 |
| 46 | | 2-Chloronaphthalene | 1.084 | 1.060 | 2.2 | 68 | -0.03 |
| 47 | | 2-Nitroaniline | 0.386 | 0.379 | 1.8 | 64 | -0.03 |
| 48 | | Acenaphthylene | 1.668 | 1.655 | 0.8 | 72 | -0.03 |
| 49 | | Dimethylphthalate | 1.279 | 1.392 | -8.8 | 76 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.280 | 0.305 | -8.9 | 79 | -0.02 |
| 51 | C | Acenaphthene | 1.131 | 1.057 | 6.5 | 69 | -0.03 |
| 52 | | 3-Nitroaniline | 0.346 | 0.402 | -16.2 | 75 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.156 | 0.184 | -17.9 | 75 | -0.02 |
| 54 | | Dibenzofuran | 1.527 | 1.383 | 9.4 | 72 | -0.03 |
| 55 | P | 4-Nitrophenol | 0.235 | 0.219 | 6.8 | 62 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.351 | 0.322 | 8.3 | 69 | -0.03 |
| 57 | | Fluorene | 1.111 | 1.171 | -5.4 | 74 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.288 | 0.277 | 3.8 | 65 | -0.03 |
| 59 | | Diethylphthalate | 1.242 | 1.251 | -0.7 | 68 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 0.486 | 0.514 | -5.8 | 78 | -0.02 |
| 61 | | 4-Nitroaniline | 0.359 | 0.395 | -10.0 | 72 | -0.02 |
| 62 | | Azobenzene | 1.368 | 1.408 | -2.9 | 76 | -0.03 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 73 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.137 | -13.2 | 76 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.593 | 0.630 | -6.2 | 77 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 0.208 | 0.212 | -1.9 | 74 | -0.03 |
| 67 | | Hexachlorobenzene | 0.222 | 0.233 | -5.0 | 74 | -0.02 |
| 68 | | Atrazine | 0.191 | 0.156 | 18.3 | 59 | -0.03 |
| 69 | C | Pentachlorophenol | 0.109 | 0.101 | 7.3 | 60 | -0.02 |
| 70 | | Phenanthrene | 1.084 | 1.102 | -1.7 | 71 | -0.02 |
| 71 | | Anthracene | 1.086 | 1.088 | -0.2 | 81 | -0.03 |
| 72 | | Carbazole | 1.005 | 0.917 | 8.8 | 72 | -0.03 |
| 73 | | Di-n-butylphthalate | 1.174 | 1.312 | -11.8 | 87 | -0.02 |
| 74 | C | Fluoranthene | 1.082 | 1.111 | -2.7 | 83 | -0.03 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 75 | -0.02 |
| 76 | | Benzidine | 0.580 | 0.491 | 15.3 | 67 | -0.03 |
| 77 | | Pyrene | 1.467 | 1.622 | -10.6 | 89 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.825 | 0.748 | 9.3 | 74 | -0.03 |
| 79 | | Butylbenzylphthalate | 0.667 | 0.721 | -8.1 | 75 | -0.03 |
| 80 | | Benzo(a)anthracene | 1.129 | 1.184 | -4.9 | 79 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.428 | 0.437 | -2.1 | 81 | -0.03 |
| 82 | | Chrysene | 1.132 | 1.174 | -3.7 | 85 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.786 | 0.858 | -9.2 | 82 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 1.456 | 1.624 | -11.5 | 84 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.981 | 0.994 | -1.3 | 78 | -0.05 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 79 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.245 | 1.206 | 3.1 | 72 | -0.03 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.062 | 1.254 | -18.1 | 96 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.105 | 1.105 | 0.0 | 77 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 0.908 | 0.924 | -1.8 | 78 | -0.05 |
| 91 | Benzo(g,h,i)perylene | 0.945 | 0.959 | -1.5 | 78 | -0.05 |

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