# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081894.D
Acq On : 30 Sep 2015 3:15
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 30 06:39:07 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
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 | 81 | -0.01 |
| 2 | | 1,4-Dioxane | 0.479 | 0.562 | -17.3 | 97 | -0.01 |
| 3 | | Pyridine | 1.247 | 1.336 | -7.1 | 82 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.567 | 0.573 | -1.1 | 83 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.102 | 1.236 | -12.2 | 93 | -0.01 |
| 6 | | Aniline | 1.863 | 1.680 | 9.8 | 76 | -0.01 |
| 7 | S | Phenol-d6 | 1.386 | 1.308 | 5.6 | 80 | -0.01 |
| 8 | | 2-Chlorophenol | 1.217 | 1.149 | 5.6 | 81 | -0.02 |
| 9 | | Benzaldehyde | 0.908 | 0.752 | 17.2 | 71 | -0.01 |
| 10 | C | Phenol | 1.555 | 1.528 | 1.7 | 80 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.206 | 1.215 | -0.7 | 90 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.437 | 1.365 | 5.0 | 81 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.501 | 1.514 | -0.9 | 85 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.337 | 1.282 | 4.1 | 85 | -0.01 |
| 15 | | Benzyl Alcohol | 1.001 | 0.831 | 17.0 | 70 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.705 | 1.692 | 0.8 | 84 | -0.01 |
| 17 | | 2-Methylphenol | 0.986 | 0.933 | 5.4 | 79 | -0.01 |
| 18 | | Hexachloroethane | 0.470 | 0.468 | 0.4 | 85 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.843 | 0.876 | -3.9 | 84 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.246 | 1.159 | 7.0 | 80 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 79 | -0.01 |
| 22 | | Acetophenone | 0.409 | 0.439 | -7.3 | 86 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.300 | 0.314 | -4.7 | 85 | -0.01 |
| 24 | | Nitrobenzene | 0.326 | 0.371 | -13.8 | 89 | -0.01 |
| 25 | | Isophorone | 0.595 | 0.595 | 0.0 | 80 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.158 | -1.3 | 76 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.275 | 0.262 | 4.7 | 74 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.353 | 0.332 | 5.9 | 79 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.267 | 0.257 | 3.7 | 77 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.298 | 0.301 | -1.0 | 81 | -0.01 |
| 31 | | Naphthalene | 0.886 | 0.883 | 0.3 | 84 | -0.01 |
| 32 | | Benzoic acid | 0.147 | 0.130 | 11.6 | 68 | -0.02 |
| 33 | | 4-Chloroaniline | 0.383 | 0.375 | 2.1 | 76 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.176 | 0.179 | -1.7 | 81 | -0.01 |
| 35 | | Caprolactam | 0.074 | 0.077 | -4.1 | 83 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.261 | 0.257 | 1.5 | 78 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.605 | 0.589 | 2.6 | 77 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 77 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.614 | 0.646 | -5.2 | 84 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.316 | 0.341 | -7.9 | 78 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.203 | 0.220 | -8.4 | 88 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.421 | 0.417 | 1.0 | 76 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.433 | 0.468 | -8.1 | 83 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.262 | 1.340 | -6.2 | 83 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.543 | 1.538 | 0.3 | 80 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.212 | 1.299 | -7.2 | 82 | -0.01 |
| 47 | | 2-Nitroaniline | 0.356 | 0.375 | -5.3 | 86 | -0.01 |
| 48 | | Acenaphthylene | 1.939 | 1.860 | 4.1 | 78 | -0.01 |
| 49 | | Dimethylphthalate | 1.381 | 1.466 | -6.2 | 83 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.300 | 0.292 | 2.7 | 78 | 0.00 |
| 51 | C | Acenaphthene | 1.151 | 1.107 | 3.8 | 77 | -0.01 |
| 52 | | 3-Nitroaniline | 0.347 | 0.340 | 2.0 | 73 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.102 | 0.083 | 18.6 | 63 | 0.00 |
| 54 | | Dibenzofuran | 1.627 | 1.606 | 1.3 | 82 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.251 | 0.190 | 24.3 | 56 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.382 | 0.429 | -12.3 | 86 | -0.01 |
| 57 | | Fluorene | 1.289 | 1.393 | -8.1 | 91 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.343 | 0.396 | -15.5 | 91 | -0.01 |
| 59 | | Diethylphthalate | 1.290 | 1.567 | -21.5 | 94 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.596 | 0.637 | -6.9 | 88 | -0.01 |
| 61 | | 4-Nitroaniline | 0.348 | 0.399 | -14.7 | 92 | 0.00 |
| 62 | | Azobenzene | 1.258 | 1.410 | -12.1 | 89 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.084 | 3.4 | 75 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.605 | 0.612 | -1.2 | 87 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.202 | 0.207 | -2.5 | 91 | -0.01 |
| 67 | | Hexachlorobenzene | 0.228 | 0.242 | -6.1 | 89 | -0.01 |
| 68 | | Atrazine | 0.188 | 0.205 | -9.0 | 96 | -0.01 |
| 69 | C | Pentachlorophenol | 0.130 | 0.126 | 3.1 | 80 | -0.01 |
| 70 | | Phenanthrene | 1.050 | 0.996 | 5.1 | 89 | -0.01 |
| 71 | | Anthracene | 1.017 | 0.969 | 4.7 | 83 | -0.01 |
| 72 | | Carbazole | 0.920 | 0.929 | -1.0 | 86 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.020 | 0.994 | 2.5 | 91 | -0.01 |
| 74 | C | Fluoranthene | 1.071 | 1.454 | -35.8# | 125 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 138 | -0.01 |
| 76 | | Benzidine | 0.603 | 0.522 | 13.4 | 108 | -0.01 |
| 77 | | Pyrene | 1.195 | 1.088 | 9.0 | 120 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.697 | 0.612 | 12.2 | 134 | -0.01 |
| 79 | | Butylbenzylphthalate | 0.450 | 0.497 | -10.4 | 143 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.077 | 0.970 | 9.9 | 126 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.364 | 0.370 | -1.6 | 131 | -0.01 |
| 82 | | Chrysene | 1.033 | 0.968 | 6.3 | 132 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.564 | 0.657 | -16.5 | 157# | -0.01 |
| 84 | c | Di-n-octyl phthalate | 0.918 | 1.125 | -22.5# | 171# | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.842 | 0.755 | 10.3 | 122 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 118 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.142 | 1.114 | 2.5 | 114 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.047 | 0.939 | 10.3 | 118 | -0.01 |
| 89 C | Benzo(a)pyrene | 0.990 | 0.945 | 4.5 | 116 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.831 | 0.841 | -1.2 | 123 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.852 | 0.805 | 5.5 | 117 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2