# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080220.D
Acq On : 29 Jun 2015 23:22
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 30 11:13:26 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 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 | 96 | -0.03 |
| 2 | | 1,4-Dioxane | 0.537 | 0.476 | 11.4 | 85 | -0.07 |
| 3 | | Pyridine | 1.428 | 1.229 | 13.9 | 83 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.679 | 0.683 | -0.6 | 91 | -0.06 |
| 5 | S | 2-Fluorophenol | 1.130 | 1.128 | 0.2 | 93 | -0.03 |
| 6 | | Aniline | 2.068 | 2.227 | -7.7 | 99 | -0.02 |
| 7 | S | Phenol-d6 | 1.503 | 1.544 | -2.7 | 92 | -0.02 |
| 8 | | 2-Chlorophenol | 1.306 | 1.348 | -3.2 | 95 | -0.03 |
| 9 | | Benzaldehyde | 0.868 | 0.777 | 10.5 | 82 | -0.03 |
| 10 | C | Phenol | 1.641 | 1.783 | -8.7 | 100 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.302 | 1.187 | 8.8 | 84 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.569 | 1.563 | 0.4 | 92 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.492 | 1.602 | -7.4 | 100 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.452 | 1.408 | 3.0 | 90 | -0.03 |
| 15 | | Benzyl Alcohol | 1.229 | 1.181 | 3.9 | 88 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.932 | 2.113 | -9.4 | 106 | -0.02 |
| 17 | | 2-Methylphenol | 1.115 | 1.137 | -2.0 | 92 | -0.02 |
| 18 | | Hexachloroethane | 0.497 | 0.530 | -6.6 | 97 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.044 | 1.116 | -6.9 | 106 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.440 | 1.542 | -7.1 | 98 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 97 | -0.03 |
| 22 | | Acetophenone | 0.466 | 0.451 | 3.2 | 88 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.344 | 0.365 | -6.1 | 99 | -0.02 |
| 24 | | Nitrobenzene | 0.355 | 0.373 | -5.1 | 99 | -0.02 |
| 25 | | Isophorone | 0.691 | 0.648 | 6.2 | 88 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.148 | 0.182 | -23.0# | 116 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.309 | 0.327 | -5.8 | 104 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.384 | 5.4 | 89 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.265 | 0.297 | -12.1 | 104 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.301 | 0.348 | -15.6 | 110 | -0.02 |
| 31 | | Naphthalene | 1.046 | 1.031 | 1.4 | 92 | -0.02 |
| 32 | | Benzoic acid | 0.187 | 0.146 | 21.9 | 73 | -0.02 |
| 33 | | 4-Chloroaniline | 0.448 | 0.396 | 11.6 | 88 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.184 | 0.5 | 99 | -0.02 |
| 35 | | Caprolactam | 0.086 | 0.096 | -11.6 | 100 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.299 | 0.300 | -0.3 | 92 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.676 | 0.730 | -8.0 | 101 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.582 | 0.632 | -8.6 | 105 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.260 | 0.221 | 15.0 | 80 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.196 | 0.202 | -3.1 | 100 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.396 | 0.443 | -11.9 | 106 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.456 | 0.436 | 4.4 | 90 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 1.402 | 1.277 | 8.9 | 89 | -0.03 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.627 | 1.524 | 6.3 | 92 | -0.03 |
| 46 | | 2-Chloronaphthalene | 1.320 | 1.315 | 0.4 | 95 | -0.02 |
| 47 | | 2-Nitroaniline | 0.362 | 0.360 | 0.6 | 90 | -0.03 |
| 48 | | Acenaphthylene | 2.204 | 2.291 | -3.9 | 96 | -0.02 |
| 49 | | Dimethylphthalate | 1.504 | 1.558 | -3.6 | 103 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.301 | 0.300 | 0.3 | 89 | -0.03 |
| 51 | C | Acenaphthene | 1.348 | 1.322 | 1.9 | 94 | -0.03 |
| 52 | | 3-Nitroaniline | 0.348 | 0.361 | -3.7 | 95 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.106 | 0.122 | -15.1 | 107 | -0.02 |
| 54 | | Dibenzofuran | 1.913 | 1.815 | 5.1 | 91 | -0.03 |
| 55 | P | 4-Nitrophenol | 0.278 | 0.261 | 6.1 | 93 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.383 | 0.442 | -15.4 | 110 | -0.02 |
| 57 | | Fluorene | 1.518 | 1.495 | 1.5 | 96 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.385 | 0.367 | 4.7 | 88 | -0.03 |
| 59 | | Diethylphthalate | 1.514 | 1.423 | 6.0 | 87 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 0.729 | 0.710 | 2.6 | 96 | -0.03 |
| 61 | | 4-Nitroaniline | 0.359 | 0.347 | 3.3 | 89 | -0.02 |
| 62 | | Azobenzene | 1.541 | 1.483 | 3.8 | 89 | -0.03 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 106 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.094 | 0.086 | 8.5 | 89 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 0.651 | 0.616 | 5.4 | 94 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.213 | 0.207 | 2.8 | 98 | -0.02 |
| 67 | | Hexachlorobenzene | 0.236 | 0.225 | 4.7 | 96 | -0.03 |
| 68 | | Atrazine | 0.206 | 0.209 | -1.5 | 99 | -0.03 |
| 69 | C | Pentachlorophenol | 0.134 | 0.114 | 14.9 | 90 | -0.03 |
| 70 | | Phenanthrene | 1.211 | 1.139 | 5.9 | 98 | -0.05 |
| 71 | | Anthracene | 1.166 | 1.105 | 5.2 | 99 | -0.05 |
| 72 | | Carbazole | 1.113 | 1.059 | 4.9 | 97 | -0.05 |
| 73 | | Di-n-butylphthalate | 1.286 | 1.070 | 16.8 | 89 | -0.06 |
| 74 | C | Fluoranthene | 1.290 | 1.188 | 7.9 | 97 | -0.10 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | -0.19 |
| 76 | | Benzidine | 0.559 | 0.619 | -10.7 | 94 | -0.10 |
| 77 | | Pyrene | 1.231 | 1.274 | -3.5 | 90 | -0.11 |
| 78 | S | Terphenyl-d14 | 0.856 | 0.876 | -2.3 | 90 | -0.13 |
| 79 | | Butylbenzylphthalate | 0.495 | 0.484 | 2.2 | 82 | -0.16 |
| 80 | | Benzo(a)anthracene | 1.218 | 1.158 | 4.9 | 84 | -0.19 |
| 81 | | 3,3'-Dichlorobenzidine | 0.420 | 0.392 | 6.7 | 81 | -0.19 |
| 82 | | Chrysene | 1.124 | 1.097 | 2.4 | 85 | -0.19 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.782 | 0.696 | 11.0 | 75 | -0.19 |
| 84 | c | Di-n-octyl phthalate | 1.339 | 1.128 | 15.8 | 72 | -0.25 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.417 | 1.436 | -1.3 | 89 | -0.29 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 92 | -0.26 |
| 87 | | Benzo(b)fluoranthene | 1.211 | 1.193 | 1.5 | 87 | -0.26 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.233 | 1.133 | 8.1 | 84 | -0.26 |
| 89 C | Benzo(a)pyrene | 1.150 | 1.132 | 1.6 | 89 | -0.26 |
| 90 | Dibenzo(a,h)anthracene | 1.177 | 1.167 | 0.8 | 90 | -0.29 |
| 91 | Benzo(g,h,i)perylene | 1.188 | 1.182 | 0.5 | 90 | -0.30 |

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