# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070715\
Data File : BF080383.D
Acq On : 7 Jul 2015 20:58
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 08 03:21:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 03:05:40 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 | 106 | 0.00 |
| 2 | | 1,4-Dioxane | 0.516 | 0.562 | -8.9 | 114 | 0.00 |
| 3 | | Pyridine | 1.312 | 1.178 | 10.2 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.617 | 0.685 | -11.0 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.092 | 1.095 | -0.3 | 107 | 0.00 |
| 6 | | Aniline | 2.004 | 1.986 | 0.9 | 105 | 0.00 |
| 7 | S | Phenol-d6 | 1.448 | 1.420 | 1.9 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 1.266 | 1.272 | -0.5 | 106 | 0.00 |
| 9 | | Benzaldehyde | 0.805 | 0.821 | -2.0 | 108 | 0.00 |
| 10 | C | Phenol | 1.570 | 1.484 | 5.5 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.184 | 1.172 | 1.0 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.554 | 1.539 | 1.0 | 104 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.451 | 1.462 | -0.8 | 108 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.469 | 1.502 | -2.2 | 109 | 0.00 |
| 15 | | Benzyl Alcohol | 1.120 | 1.184 | -5.7 | 109 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.915 | 1.922 | -0.4 | 108 | 0.00 |
| 17 | | 2-Methylphenol | 0.981 | 1.012 | -3.2 | 110 | -0.01 |
| 18 | | Hexachloroethane | 0.466 | 0.458 | 1.7 | 103 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.939 | 0.923 | 1.7 | 105 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.368 | 1.387 | -1.4 | 105 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 22 | | Acetophenone | 0.461 | 0.485 | -5.2 | 106 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.343 | 0.363 | -5.8 | 105 | 0.00 |
| 24 | | Nitrobenzene | 0.344 | 0.356 | -3.5 | 110 | 0.00 |
| 25 | | Isophorone | 0.660 | 0.699 | -5.9 | 110 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.149 | 0.154 | -3.4 | 103 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.293 | 0.287 | 2.0 | 103 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.410 | 0.427 | -4.1 | 107 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.260 | 0.265 | -1.9 | 105 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.309 | 0.316 | -2.3 | 107 | 0.00 |
| 31 | | Naphthalene | 1.026 | 1.032 | -0.6 | 104 | 0.00 |
| 32 | | Benzoic acid | 0.143 | 0.185 | -29.4# | 122 | 0.00 |
| 33 | | 4-Chloroaniline | 0.409 | 0.426 | -4.2 | 111 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.188 | 0.198 | -5.3 | 109 | 0.00 |
| 35 | | Caprolactam | 0.080 | 0.081 | -1.3 | 104 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.269 | 0.271 | -0.7 | 107 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.654 | 0.661 | -1.1 | 105 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.634 | 0.644 | -1.6 | 105 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.223 | 0.184 | 17.5 | 83 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.209 | 0.217 | -3.8 | 104 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.418 | 0.416 | 0.5 | 99 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.487 | 0.516 | -6.0 | 108 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.482 | 1.514 | -2.2 | 106 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.775 | 1.826 | -2.9 | 107 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.354 | 1.359 | -0.4 | 102 | 0.00 |
| 47 | | 2-Nitroaniline | 0.379 | 0.421 | -11.1 | 111 | 0.00 |
| 48 | | Acenaphthylene | 2.253 | 2.288 | -1.6 | 106 | 0.00 |
| 49 | | Dimethylphthalate | 1.606 | 1.517 | 5.5 | 106 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.336 | 0.355 | -5.7 | 107 | 0.00 |
| 51 | C | Acenaphthene | 1.349 | 1.361 | -0.9 | 104 | -0.01 |
| 52 | | 3-Nitroaniline | 0.378 | 0.409 | -8.2 | 106 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.120 | 0.090 | 25.0 | 73 | -0.01 |
| 54 | | Dibenzofuran | 1.918 | 1.888 | 1.6 | 104 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.277 | 0.282 | -1.8 | 97 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.432 | 0.437 | -1.2 | 103 | 0.00 |
| 57 | | Fluorene | 1.651 | 1.687 | -2.2 | 104 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.390 | 0.383 | 1.8 | 99 | 0.00 |
| 59 | | Diethylphthalate | 1.604 | 1.679 | -4.7 | 107 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.731 | 0.727 | 0.5 | 102 | 0.00 |
| 61 | | 4-Nitroaniline | 0.367 | 0.388 | -5.7 | 100 | 0.00 |
| 62 | | Azobenzene | 1.523 | 1.538 | -1.0 | 102 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.106 | 0.095 | 10.4 | 85 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.637 | 0.659 | -3.5 | 101 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.229 | 0.243 | -6.1 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 0.240 | 0.243 | -1.3 | 99 | 0.00 |
| 68 | | Atrazine | 0.190 | 0.228 | -20.0 | 119 | 0.00 |
| 69 | C | Pentachlorophenol | 0.119 | 0.107 | 10.1 | 93 | 0.00 |
| 70 | | Phenanthrene | 1.200 | 1.284 | -7.0 | 111 | 0.00 |
| 71 | | Anthracene | 1.176 | 1.184 | -0.7 | 98 | -0.01 |
| 72 | | Carbazole | 1.097 | 1.109 | -1.1 | 102 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.255 | 1.275 | -1.6 | 100 | -0.01 |
| 74 | C | Fluoranthene | 1.289 | 1.368 | -6.1 | 107 | -0.03 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 105 | -0.10 |
| 76 | | Benzidine | 0.507 | 0.619 | -22.1 | 121 | -0.03 |
| 77 | | Pyrene | 1.210 | 1.230 | -1.7 | 105 | -0.05 |
| 78 | S | Terphenyl-d14 | 0.857 | 0.875 | -2.1 | 108 | -0.05 |
| 79 | | Butylbenzylphthalate | 0.483 | 0.493 | -2.1 | 98 | -0.08 |
| 80 | | Benzo(a)anthracene | 1.205 | 1.252 | -3.9 | 107 | -0.09 |
| 81 | | 3,3'-Dichlorobenzidine | 0.400 | 0.414 | -3.5 | 101 | -0.10 |
| 82 | | Chrysene | 1.128 | 1.131 | -0.3 | 101 | -0.10 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.736 | 0.788 | -7.1 | 101 | -0.11 |
| 84 | c | Di-n-octyl phthalate | 1.215 | 1.275 | -4.9 | 101 | -0.15 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.326 | 1.426 | -7.5 | 108 | -0.16 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | -0.15 |
| 87 | | Benzo(b)fluoranthene | 1.257 | 1.372 | -9.1 | 109 | -0.15 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.190 | 1.075 | 9.7 | 101 | -0.15 |
| 89 C | Benzo(a)pyrene | 1.149 | 1.171 | -1.9 | 106 | -0.16 |
| 90 | Dibenzo(a,h)anthracene | 1.132 | 1.174 | -3.7 | 108 | -0.16 |
| 91 | Benzo(g,h,i)perylene | 1.148 | 1.164 | -1.4 | 105 | -0.17 |

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