# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF111414\
Data File : BF075572.D
Acq On : 16 Nov 2014 7:57
Operator : TP / JJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 17 04:22:14 2014
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 17 04:16:34 2014
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 | 72 | -0.02 |
| 2 | | 1,4-Dioxane | 0.475 | 0.505 | -6.3 | 77 | -0.07 |
| 3 | | Pyridine | 1.277 | 1.223 | 4.2 | 69 | -0.16 |
| 4 | | n-Nitrosodimethylamine | 0.676 | 0.698 | -3.3 | 78 | -0.10 |
| 5 | S | 2-Fluorophenol | 1.132 | 1.170 | -3.4 | 76 | -0.01 |
| 6 | | Aniline | 1.966 | 2.060 | -4.8 | 77 | -0.01 |
| 7 | S | Phenol-d6 | 1.361 | 1.440 | -5.8 | 76 | 0.00 |
| 8 | | 2-Chlorophenol | 1.310 | 1.384 | -5.6 | 77 | -0.01 |
| 9 | | Benzaldehyde | 0.916 | 0.929 | -1.4 | 74 | -0.01 |
| 10 | C | Phenol | 1.661 | 1.790 | -7.8 | 76 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.258 | 1.242 | 1.3 | 72 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.428 | 1.453 | -1.8 | 75 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.453 | 1.528 | -5.2 | 76 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.362 | 1.435 | -5.4 | 77 | -0.01 |
| 15 | | Benzyl Alcohol | 1.069 | 1.126 | -5.3 | 73 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.604 | 2.590 | 0.5 | 73 | -0.01 |
| 17 | | 2-Methylphenol | 1.085 | 1.098 | -1.2 | 72 | -0.01 |
| 18 | | Hexachloroethane | 0.498 | 0.511 | -2.6 | 75 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.928 | 0.971 | -4.6 | 76 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.420 | 1.464 | -3.1 | 75 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 70 | -0.02 |
| 22 | | Acetophenone | 0.431 | 0.447 | -3.7 | 74 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.273 | 0.301 | -10.3 | 76 | -0.01 |
| 24 | | Nitrobenzene | 0.316 | 0.337 | -6.6 | 75 | -0.01 |
| 25 | | Isophorone | 0.623 | 0.636 | -2.1 | 73 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.144 | 0.162 | -12.5 | 80 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.279 | 0.277 | 0.7 | 71 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.380 | 0.374 | 1.6 | 69 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.245 | 0.259 | -5.7 | 75 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.257 | 0.251 | 2.3 | 70 | -0.02 |
| 31 | | Naphthalene | 0.892 | 0.942 | -5.6 | 78 | -0.01 |
| 32 | | Benzoic acid | 0.169 | 0.186 | -10.1 | 71 | 0.06 |
| 33 | | 4-Chloroaniline | 0.387 | 0.397 | -2.6 | 72 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.139 | 0.140 | -0.7 | 71 | -0.02 |
| 35 | | Caprolactam | 0.081 | 0.086 | -6.2 | 77 | 0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.268 | 0.287 | -7.1 | 76 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.608 | 0.611 | -0.5 | 73 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 69 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.411 | 0.424 | -3.2 | 70 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.250 | 0.243 | 2.8 | 67 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.168 | 0.167 | 0.6 | 67 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.327 | 0.339 | -3.7 | 70 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.341 | 0.361 | -5.9 | 73 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.107 | 1.100 | 0.6 | 69 | -0.01 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.349 | 1.425 | -5.6 | 74 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.055 | 1.098 | -4.1 | 71 | -0.01 |
| 47 | | 2-Nitroaniline | 0.317 | 0.361 | -13.9 | 78 | -0.01 |
| 48 | | Acenaphthylene | 1.739 | 1.823 | -4.8 | 72 | -0.01 |
| 49 | | Dimethylphthalate | 1.367 | 1.335 | 2.3 | 66 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.269 | 0.292 | -8.6 | 75 | -0.01 |
| 51 | C | Acenaphthene | 1.050 | 1.047 | 0.3 | 69 | -0.01 |
| 52 | | 3-Nitroaniline | 0.318 | 0.346 | -8.8 | 73 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.112 | 0.132 | -17.9 | 75 | 0.00 |
| 54 | | Dibenzofuran | 1.500 | 1.545 | -3.0 | 72 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.254 | 0.298 | -17.3 | 79 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.354 | 0.404 | -14.1 | 71 | -0.01 |
| 57 | | Fluorene | 1.213 | 1.241 | -2.3 | 70 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.270 | 0.275 | -1.9 | 69 | -0.01 |
| 59 | | Diethylphthalate | 1.419 | 1.384 | 2.5 | 65 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.522 | 0.509 | 2.5 | 69 | -0.02 |
| 61 | | 4-Nitroaniline | 0.317 | 0.336 | -6.0 | 72 | -0.01 |
| 62 | | Azobenzene | 1.248 | 1.238 | 0.8 | 69 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 70 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.101 | 0.115 | -13.9 | 76 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.633 | 0.616 | 2.7 | 66 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.188 | 0.193 | -2.7 | 71 | -0.02 |
| 67 | | Hexachlorobenzene | 0.214 | 0.214 | 0.0 | 69 | -0.01 |
| 68 | | Atrazine | 0.196 | 0.188 | 4.1 | 69 | -0.01 |
| 69 | C | Pentachlorophenol | 0.134 | 0.111 | 17.2 | 56 | -0.02 |
| 70 | | Phenanthrene | 1.053 | 1.093 | -3.8 | 72 | -0.01 |
| 71 | | Anthracene | 1.088 | 1.112 | -2.2 | 72 | -0.01 |
| 72 | | Carbazole | 1.065 | 1.066 | -0.1 | 73 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.471 | 1.421 | 3.4 | 68 | -0.01 |
| 74 | C | Fluoranthene | 1.127 | 1.179 | -4.6 | 74 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 71 | -0.06 |
| 76 | | Benzidine | 0.636 | 0.078 | 87.7# | 8# | -0.01 |
| 77 | | Pyrene | 1.163 | 1.196 | -2.8 | 70 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.743 | 0.727 | 2.2 | 69 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.653 | 0.633 | 3.1 | 66 | -0.05 |
| 80 | | Benzo(a)anthracene | 1.051 | 1.062 | -1.0 | 71 | -0.06 |
| 81 | | 3,3'-Dichlorobenzidine | 0.388 | 0.361 | 7.0 | 63 | -0.07 |
| 82 | | Chrysene | 0.909 | 0.934 | -2.8 | 73 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.029 | 0.949 | 7.8 | 64 | -0.07 |
| 84 | c | Di-n-octyl phthalate | 1.811 | 1.630 | 10.0 | 65 | -0.11 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.102 | 1.182 | -7.3 | 74 | -0.17 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 75 | -0.15 |
| 87 | | Benzo(b)fluoranthene | 1.069 | 1.056 | 1.2 | 78 | -0.14 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 0.960 | 0.941 | 2.0 | 69 | -0.14 |
| 89 C | Benzo(a)pyrene | 0.957 | 0.959 | -0.2 | 74 | -0.15 |
| 90 | Dibenzo(a,h)anthracene | 0.999 | 1.016 | -1.7 | 75 | -0.17 |
| 91 | Benzo(g,h,i)perylene | 0.952 | 0.981 | -3.0 | 76 | -0.16 |

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