# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF111414\
Data File : BF075584.D
Acq On : 16 Nov 2014 14:59
Operator : TP / JJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 17 05:53:00 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 | 89 | -0.02 |
| 2 | | 1,4-Dioxane | 0.475 | 0.494 | -4.0 | 93 | -0.07 |
| 3 | | Pyridine | 1.277 | 1.257 | 1.6 | 87 | -0.17 |
| 4 | | n-Nitrosodimethylamine | 0.676 | 0.659 | 2.5 | 90 | -0.10 |
| 5 | S | 2-Fluorophenol | 1.132 | 1.142 | -0.9 | 91 | -0.01 |
| 6 | | Aniline | 1.966 | 2.061 | -4.8 | 94 | -0.01 |
| 7 | S | Phenol-d6 | 1.361 | 1.438 | -5.7 | 93 | 0.00 |
| 8 | | 2-Chlorophenol | 1.310 | 1.283 | 2.1 | 87 | -0.02 |
| 9 | | Benzaldehyde | 0.916 | 0.906 | 1.1 | 89 | -0.02 |
| 10 | C | Phenol | 1.661 | 1.714 | -3.2 | 90 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.258 | 1.252 | 0.5 | 88 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.428 | 1.396 | 2.2 | 88 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.453 | 1.485 | -2.2 | 90 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.362 | 1.408 | -3.4 | 93 | -0.01 |
| 15 | | Benzyl Alcohol | 1.069 | 1.038 | 2.9 | 83 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.604 | 2.483 | 4.6 | 86 | -0.01 |
| 17 | | 2-Methylphenol | 1.085 | 1.108 | -2.1 | 90 | -0.01 |
| 18 | | Hexachloroethane | 0.498 | 0.484 | 2.8 | 88 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.928 | 0.900 | 3.0 | 86 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.420 | 1.444 | -1.7 | 90 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 84 | -0.02 |
| 22 | | Acetophenone | 0.431 | 0.441 | -2.3 | 88 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.273 | 0.286 | -4.8 | 87 | -0.02 |
| 24 | | Nitrobenzene | 0.316 | 0.325 | -2.8 | 86 | -0.02 |
| 25 | | Isophorone | 0.623 | 0.599 | 3.9 | 82 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.144 | 0.167 | -16.0 | 98 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.279 | 0.283 | -1.4 | 87 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.380 | 0.366 | 3.7 | 81 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.245 | 0.256 | -4.5 | 88 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.257 | 0.258 | -0.4 | 87 | -0.02 |
| 31 | | Naphthalene | 0.892 | 0.918 | -2.9 | 91 | -0.01 |
| 32 | | Benzoic acid | 0.169 | 0.134 | 20.7 | 61 | 0.03 |
| 33 | | 4-Chloroaniline | 0.387 | 0.397 | -2.6 | 87 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.139 | 0.133 | 4.3 | 81 | -0.02 |
| 35 | | Caprolactam | 0.081 | 0.086 | -6.2 | 92 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.268 | 0.269 | -0.4 | 86 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.608 | 0.623 | -2.5 | 89 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.411 | 0.428 | -4.1 | 85 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.250 | 0.219 | 12.4 | 72 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.168 | 0.164 | 2.4 | 79 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.327 | 0.321 | 1.8 | 79 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.341 | 0.340 | 0.3 | 83 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.107 | 1.103 | 0.4 | 83 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.349 | 1.426 | -5.7 | 89 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.055 | 1.114 | -5.6 | 87 | -0.01 |
| 47 | | 2-Nitroaniline | 0.317 | 0.373 | -17.7 | 96 | -0.01 |
| 48 | | Acenaphthylene | 1.739 | 1.814 | -4.3 | 86 | -0.01 |
| 49 | | Dimethylphthalate | 1.367 | 1.306 | 4.5 | 78 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.269 | 0.299 | -11.2 | 92 | -0.01 |
| 51 | C | Acenaphthene | 1.050 | 1.031 | 1.8 | 82 | -0.01 |
| 52 | | 3-Nitroaniline | 0.318 | 0.367 | -15.4 | 93 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.112 | 0.061 | 45.5# | 42# | -0.01 |
| 54 | | Dibenzofuran | 1.500 | 1.528 | -1.9 | 85 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.254 | 0.267 | -5.1 | 86 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.354 | 0.373 | -5.4 | 78 | -0.02 |
| 57 | | Fluorene | 1.213 | 1.199 | 1.2 | 81 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.270 | 0.274 | -1.5 | 83 | -0.01 |
| 59 | | Diethylphthalate | 1.419 | 1.312 | 7.5 | 74 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.522 | 0.491 | 5.9 | 80 | -0.02 |
| 61 | | 4-Nitroaniline | 0.317 | 0.363 | -14.5 | 94 | -0.01 |
| 62 | | Azobenzene | 1.248 | 1.226 | 1.8 | 82 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.101 | 0.075 | 25.7# | 60 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.633 | 0.631 | 0.3 | 82 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.188 | 0.185 | 1.6 | 83 | -0.02 |
| 67 | | Hexachlorobenzene | 0.214 | 0.203 | 5.1 | 80 | -0.02 |
| 68 | | Atrazine | 0.196 | 0.194 | 1.0 | 86 | -0.01 |
| 69 | C | Pentachlorophenol | 0.134 | 0.102 | 23.9# | 62 | -0.02 |
| 70 | | Phenanthrene | 1.053 | 1.041 | 1.1 | 83 | -0.01 |
| 71 | | Anthracene | 1.088 | 1.049 | 3.6 | 82 | -0.02 |
| 72 | | Carbazole | 1.065 | 1.107 | -3.9 | 91 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.471 | 1.342 | 8.8 | 77 | -0.02 |
| 74 | C | Fluoranthene | 1.127 | 1.085 | 3.7 | 83 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 90 | -0.07 |
| 76 | | Benzidine | 0.636 | 0.625 | 1.7 | 84 | -0.02 |
| 77 | | Pyrene | 1.163 | 1.133 | 2.6 | 83 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.743 | 0.658 | 11.4 | 79 | -0.03 |
| 79 | | Butylbenzylphthalate | 0.653 | 0.580 | 11.2 | 77 | -0.05 |
| 80 | | Benzo(a)anthracene | 1.051 | 1.010 | 3.9 | 85 | -0.07 |
| 81 | | 3,3'-Dichlorobenzidine | 0.388 | 0.388 | 0.0 | 86 | -0.08 |
| 82 | | Chrysene | 0.909 | 0.864 | 5.0 | 85 | -0.07 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.029 | 0.805 | 21.8 | 69 | -0.09 |
| 84 | c | Di-n-octyl phthalate | 1.811 | 1.477 | 18.4 | 75 | -0.16 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.102 | 1.142 | -3.6 | 90 | -0.24 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 90 | -0.21 |
| 87 | | Benzo(b)fluoranthene | 1.069 | 1.141 | -6.7 | 101 | -0.18 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 0.960 | 0.815 | 15.1 | 72 | -0.18 |
| 89 C | Benzo(a)pyrene | 0.957 | 0.958 | -0.1 | 89 | -0.21 |
| 90 | Dibenzo(a,h)anthracene | 0.999 | 0.987 | 1.2 | 88 | -0.24 |
| 91 | Benzo(g,h,i)perylene | 0.952 | 0.977 | -2.6 | 92 | -0.23 |

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