# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085420.D
Acq On : 14 Mar 2016 11:05
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 15 01:13:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 14 14:15:19 2016
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 | 90 | -0.06 |
| 2 | | 1,4-Dioxane | 0.610 | 0.568 | 6.9 | 88 | -0.09 |
| 3 | | Pyridine | 1.526 | 1.470 | 3.7 | 90 | -0.11 |
| 4 | | n-Nitrosodimethylamine | 0.653 | 0.634 | 2.9 | 87 | -0.11 |
| 5 | S | 2-Fluorophenol | 1.192 | 1.114 | 6.5 | 93 | -0.06 |
| 6 | | Aniline | 2.189 | 2.156 | 1.5 | 89 | -0.05 |
| 7 | S | Phenol-d6 | 1.562 | 1.465 | 6.2 | 90 | -0.05 |
| 8 | | 2-Chlorophenol | 1.435 | 1.295 | 9.8 | 84 | -0.06 |
| 9 | | Benzaldehyde | 0.804 | 0.736 | 8.5 | 94 | -0.06 |
| 10 | C | Phenol | 1.673 | 1.549 | 7.4 | 89 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 1.390 | 1.296 | 6.8 | 81 | -0.06 |
| 12 | | 1,3-Dichlorobenzene | 1.541 | 1.527 | 0.9 | 92 | -0.06 |
| 13 | C | 1,4-Dichlorobenzene | 1.545 | 1.499 | 3.0 | 96 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 1.401 | 1.310 | 6.5 | 83 | -0.06 |
| 15 | | Benzyl Alcohol | 1.147 | 1.132 | 1.3 | 92 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.003 | 1.797 | 10.3 | 86 | -0.06 |
| 17 | | 2-Methylphenol | 1.171 | 1.155 | 1.4 | 87 | -0.06 |
| 18 | | Hexachloroethane | 0.570 | 0.558 | 2.1 | 89 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.018 | 0.887 | 12.9 | 79 | -0.06 |
| 20 | | 3+4-Methylphenols | 1.387 | 1.149 | 17.2 | 82 | -0.05 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | -0.05 |
| 22 | | Acetophenone | 0.488 | 0.434 | 11.1 | 84 | -0.06 |
| 23 | S | Nitrobenzene-d5 | 0.374 | 0.327 | 12.6 | 81 | -0.05 |
| 24 | | Nitrobenzene | 0.380 | 0.363 | 4.5 | 89 | -0.05 |
| 25 | | Isophorone | 0.693 | 0.689 | 0.6 | 93 | -0.05 |
| 26 | C | 2-Nitrophenol | 0.185 | 0.193 | -4.3 | 94 | -0.06 |
| 27 | | 2,4-Dimethylphenol | 0.338 | 0.307 | 9.2 | 82 | -0.06 |
| 28 | | bis(2-Chloroethoxy)methane | 0.386 | 0.411 | -6.5 | 103 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 0.272 | 0.256 | 5.9 | 87 | -0.06 |
| 30 | | 1,2,4-Trichlorobenzene | 0.294 | 0.293 | 0.3 | 95 | -0.05 |
| 31 | | Naphthalene | 0.983 | 0.966 | 1.7 | 100 | -0.05 |
| 32 | | Benzoic acid | 0.224 | 0.153 | 31.7# | 59 | -0.06 |
| 33 | | 4-Chloroaniline | 0.398 | 0.437 | -9.8 | 110 | -0.05 |
| 34 | C | Hexachlorobutadiene | 0.153 | 0.159 | -3.9 | 97 | -0.06 |
| 35 | | Caprolactam | 0.089 | 0.089 | 0.0 | 94 | -0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 0.309 | 0.284 | 8.1 | 89 | -0.05 |
| 37 | | 2-Methylnaphthalene | 0.631 | 0.551 | 12.7 | 82 | -0.06 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 89 | -0.06 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.572 | 0.647 | -13.1 | 108 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 0.308 | 0.295 | 4.2 | 83 | -0.06 |
| 41 | S | 2,4,6-Tribromophenol | 0.171 | 0.214 | -25.1# | 107 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 0.426 | 0.420 | 1.4 | 87 | -0.06 |
| 43 | | 2,4,5-Trichlorophenol | 0.404 | 0.453 | -12.1 | 98 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 1.315 | 1.108 | 15.7 | 80 | -0.06 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.709 | 1.722 | -0.8 | 100 | -0.05 |
| 46 | | 2-Chloronaphthalene | 1.302 | 1.225 | 5.9 | 85 | -0.06 |
| 47 | | 2-Nitroaniline | 0.404 | 0.378 | 6.4 | 81 | -0.05 |
| 48 | | Acenaphthylene | 2.027 | 1.909 | 5.8 | 88 | -0.06 |
| 49 | | Dimethylphthalate | 1.535 | 1.496 | 2.5 | 85 | -0.06 |
| 50 | | 2,6-Dinitrotoluene | 0.328 | 0.381 | -16.2 | 99 | -0.05 |
| 51 | C | Acenaphthene | 1.231 | 1.199 | 2.6 | 91 | -0.06 |
| 52 | | 3-Nitroaniline | 0.393 | 0.411 | -4.6 | 84 | -0.06 |
| 53 | P | 2,4-Dinitrophenol | 0.137 | 0.107 | 21.9 | 66 | -0.05 |
| 54 | | Dibenzofuran | 1.613 | 1.489 | 7.7 | 84 | -0.06 |
| 55 | P | 4-Nitrophenol | 0.309 | 0.291 | 5.8 | 75 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 0.420 | 0.474 | -12.9 | 99 | -0.05 |
| 57 | | Fluorene | 1.267 | 1.170 | 7.7 | 82 | -0.06 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.284 | 0.312 | -9.9 | 92 | -0.05 |
| 59 | | Diethylphthalate | 1.490 | 1.381 | 7.3 | 83 | -0.06 |
| 60 | | 4-Chlorophenyl-phenylether | 0.616 | 0.631 | -2.4 | 95 | -0.06 |
| 61 | | 4-Nitroaniline | 0.367 | 0.398 | -8.4 | 92 | -0.05 |
| 62 | | Azobenzene | 1.468 | 1.471 | -0.2 | 88 | -0.06 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 91 | -0.06 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.120 | 0.118 | 1.7 | 80 | -0.04 |
| 65 | c | n-Nitrosodiphenylamine | 0.622 | 0.572 | 8.0 | 89 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 0.194 | 0.194 | 0.0 | 89 | -0.06 |
| 67 | | Hexachlorobenzene | 0.207 | 0.204 | 1.4 | 88 | -0.06 |
| 68 | | Atrazine | 0.173 | 0.169 | 2.3 | 104 | -0.05 |
| 69 | C | Pentachlorophenol | 0.115 | 0.115 | 0.0 | 91 | -0.05 |
| 70 | | Phenanthrene | 1.048 | 1.038 | 1.0 | 100 | -0.06 |
| 71 | | Anthracene | 1.113 | 0.973 | 12.6 | 86 | -0.06 |
| 72 | | Carbazole | 0.976 | 0.881 | 9.7 | 84 | -0.06 |
| 73 | | Di-n-butylphthalate | 1.233 | 1.095 | 11.2 | 87 | -0.05 |
| 74 | C | Fluoranthene | 1.052 | 0.969 | 7.9 | 88 | -0.06 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 103 | -0.06 |
| 76 | | Benzidine | 0.595 | 0.545 | 8.4 | 80 | -0.05 |
| 77 | | Pyrene | 1.505 | 1.539 | -2.3 | 94 | -0.06 |
| 78 | S | Terphenyl-d14 | 0.862 | 0.855 | 0.8 | 100 | -0.05 |
| 79 | | Butylbenzylphthalate | 0.683 | 0.688 | -0.7 | 96 | -0.05 |
| 80 | | Benzo(a)anthracene | 1.197 | 1.131 | 5.5 | 95 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 0.378 | 0.414 | -9.5 | 104 | -0.05 |
| 82 | | Chrysene | 1.106 | 1.135 | -2.6 | 94 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.899 | 0.894 | 0.6 | 97 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 1.369 | 1.233 | 9.9 | 83 | -0.06 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.863 | 0.926 | -7.3 | 92 | -0.09 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | -0.07 |
| 87 | | Benzo(b)fluoranthene | 1.333 | 1.164 | 12.7 | 70 | -0.06 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.075 | 1.225 | -14.0 | 111 | -0.06 |
| 89 C | Benzo(a)pyrene | 1.105 | 1.097 | 0.7 | 83 | -0.07 |
| 90 | Dibenzo(a,h)anthracene | 0.943 | 1.138 | -20.7 | 92 | -0.09 |
| 91 | Benzo(g,h,i)perylene | 0.948 | 1.145 | -20.8 | 91 | -0.10 |

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