# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087462.D
Acq On : 28 May 2016 2:04
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 28 05:22:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 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 | 98 | -0.03 |
| 2 | | 1,4-Dioxane | 0.601 | 0.583 | 3.0 | 97 | -0.03 |
| 3 | | Pyridine | 1.313 | 1.247 | 5.0 | 87 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 1.012 | 1.099 | -8.6 | 103 | -0.05 |
| 5 | S | 2-Fluorophenol | 1.138 | 1.258 | -10.5 | 102 | -0.03 |
| 6 | | Aniline | 1.990 | 2.009 | -1.0 | 95 | -0.03 |
| 7 | S | Phenol-d6 | 1.538 | 1.597 | -3.8 | 101 | -0.02 |
| 8 | | 2-Chlorophenol | 1.419 | 1.436 | -1.2 | 98 | -0.02 |
| 9 | | Benzaldehyde | 0.849 | 0.815 | 4.0 | 102 | -0.02 |
| 10 | C | Phenol | 1.679 | 1.780 | -6.0 | 113 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.359 | 1.384 | -1.8 | 101 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.548 | 1.521 | 1.7 | 97 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.589 | 1.590 | -0.1 | 99 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 1.470 | 1.463 | 0.5 | 100 | -0.03 |
| 15 | | Benzyl Alcohol | 1.121 | 1.207 | -7.7 | 99 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 3.058 | 2.944 | 3.7 | 96 | -0.03 |
| 17 | | 2-Methylphenol | 1.138 | 1.195 | -5.0 | 103 | -0.02 |
| 18 | | Hexachloroethane | 0.593 | 0.600 | -1.2 | 100 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.147 | 1.183 | -3.1 | 102 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.375 | 1.527 | -11.1 | 103 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 100 | -0.03 |
| 22 | | Acetophenone | 0.478 | 0.496 | -3.8 | 103 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.397 | 0.404 | -1.8 | 98 | -0.02 |
| 24 | | Nitrobenzene | 0.419 | 0.412 | 1.7 | 94 | -0.03 |
| 25 | | Isophorone | 0.712 | 0.737 | -3.5 | 103 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.171 | 0.182 | -6.4 | 99 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 0.297 | 0.314 | -5.7 | 103 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.401 | 0.407 | -1.5 | 102 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.268 | 0.282 | -5.2 | 101 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.307 | 0.303 | 1.3 | 98 | -0.03 |
| 31 | | Naphthalene | 1.002 | 0.986 | 1.6 | 101 | -0.03 |
| 32 | | Benzoic acid | 0.141 | 0.156 | -10.6 | 101 | 0.02 |
| 33 | | 4-Chloroaniline | 0.369 | 0.359 | 2.7 | 94 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.186 | 0.188 | -1.1 | 100 | -0.03 |
| 35 | | Caprolactam | 0.078 | 0.086 | -10.3 | 105 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.303 | 0.320 | -5.6 | 100 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.626 | 0.630 | -0.6 | 101 | -0.03 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 104 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.640 | 0.619 | 3.3 | 100 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 0.206 | 0.180 | 12.6 | 80 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 0.192 | 0.195 | -1.6 | 101 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 0.370 | 0.370 | 0.0 | 99 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.376 | 0.365 | 2.9 | 98 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.419 | 1.338 | 5.7 | 100 | -0.03 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.684 | 1.605 | 4.7 | 102 | -0.03 |
| 46 | | 2-Chloronaphthalene | 1.288 | 1.258 | 2.3 | 102 | -0.02 |
| 47 | | 2-Nitroaniline | 0.464 | 0.493 | -6.2 | 106 | -0.02 |
| 48 | | Acenaphthylene | 2.040 | 1.931 | 5.3 | 99 | -0.03 |
| 49 | | Dimethylphthalate | 1.602 | 1.566 | 2.2 | 101 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 0.323 | 0.330 | -2.2 | 105 | -0.02 |
| 51 | C | Acenaphthene | 1.254 | 1.227 | 2.2 | 106 | -0.02 |
| 52 | | 3-Nitroaniline | 0.331 | 0.341 | -3.0 | 104 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.138 | 0.157 | -13.8 | 101 | -0.01 |
| 54 | | Dibenzofuran | 1.697 | 1.637 | 3.5 | 103 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.158 | 0.157 | 0.6 | 100 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.431 | 0.426 | 1.2 | 98 | -0.02 |
| 57 | | Fluorene | 1.472 | 1.376 | 6.5 | 98 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.289 | 0.290 | -0.3 | 97 | -0.03 |
| 59 | | Diethylphthalate | 1.558 | 1.523 | 2.2 | 103 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 0.718 | 0.681 | 5.2 | 100 | -0.03 |
| 61 | | 4-Nitroaniline | 0.309 | 0.307 | 0.6 | 92 | -0.02 |
| 62 | | Azobenzene | 1.616 | 1.642 | -1.6 | 101 | -0.03 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.127 | 0.130 | -2.4 | 96 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.647 | 0.644 | 0.5 | 101 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.219 | 0.211 | 3.7 | 99 | -0.03 |
| 67 | | Hexachlorobenzene | 0.229 | 0.222 | 3.1 | 100 | -0.03 |
| 68 | | Atrazine | 0.206 | 0.162 | 21.4 | 80 | -0.02 |
| 69 | C | Pentachlorophenol | 0.061 | 0.077 | -26.2# | 115 | -0.02 |
| 70 | | Phenanthrene | 1.108 | 1.065 | 3.9 | 101 | -0.03 |
| 71 | | Anthracene | 1.119 | 1.110 | 0.8 | 104 | -0.02 |
| 72 | | Carbazole | 0.955 | 0.936 | 2.0 | 101 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.234 | 1.241 | -0.6 | 100 | -0.03 |
| 74 | C | Fluoranthene | 1.111 | 1.045 | 5.9 | 96 | -0.03 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 103 | -0.02 |
| 76 | | Benzidine | 0.515 | 0.347 | 32.6# | 63 | -0.03 |
| 77 | | Pyrene | 1.440 | 1.515 | -5.2 | 108 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.941 | 0.966 | -2.7 | 104 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.638 | 0.704 | -10.3 | 105 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.138 | 1.117 | 1.8 | 100 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.628 | 0.637 | -1.4 | 107 | -0.03 |
| 82 | | Chrysene | 1.129 | 1.138 | -0.8 | 106 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.932 | 0.972 | -4.3 | 105 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.421 | 1.375 | 3.2 | 92 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.905 | 0.940 | -3.9 | 105 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.274 | 1.150 | 9.7 | 83 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.097 | 1.165 | -6.2 | 124 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.102 | 1.091 | 1.0 | 101 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 0.940 | 0.996 | -6.0 | 104 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.927 | 0.988 | -6.6 | 104 | -0.03 |

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