# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113016\
Data File : BF091366.D
Acq On : 30 Nov 2016 20:42
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 01 00:53:48 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 13:33:46 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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 0.554 | 0.551 | 0.5 | 111 | -0.03 |
| 3 | | Pyridine | 1.567 | 1.596 | -1.9 | 111 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 0.822 | 0.839 | -2.1 | 114 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.224 | 1.241 | -1.4 | 111 | 0.00 |
| 6 | | Aniline | 2.002 | 1.914 | 4.4 | 105 | -0.02 |
| 7 | S | Phenol-d6 | 1.507 | 1.498 | 0.6 | 114 | 0.00 |
| 8 | | 2-Chlorophenol | 1.342 | 1.356 | -1.0 | 111 | 0.00 |
| 9 | | Benzaldehyde | 0.969 | 0.720 | 25.7# | 81 | 0.00 |
| 10 | C | Phenol | 1.773 | 1.544 | 12.9 | 98 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.267 | 1.313 | -3.6 | 122 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.493 | 1.419 | 5.0 | 113 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.485 | 1.428 | 3.8 | 110 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.383 | 1.428 | -3.3 | 116 | 0.00 |
| 15 | | Benzyl Alcohol | 1.206 | 1.179 | 2.2 | 103 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.724 | 2.733 | -0.3 | 111 | -0.02 |
| 17 | | 2-Methylphenol | 1.061 | 1.081 | -1.9 | 109 | 0.00 |
| 18 | | Hexachloroethane | 0.527 | 0.530 | -0.6 | 108 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.949 | 0.868 | 8.5 | 110 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.295 | 1.229 | 5.1 | 115 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 107 | -0.02 |
| 22 | | Acetophenone | 0.474 | 0.471 | 0.6 | 103 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.357 | 0.343 | 3.9 | 107 | -0.02 |
| 24 | | Nitrobenzene | 0.365 | 0.410 | -12.3 | 120 | 0.00 |
| 25 | | Isophorone | 0.632 | 0.648 | -2.5 | 109 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.167 | 0.161 | 3.6 | 110 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.311 | 0.327 | -5.1 | 108 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.381 | 0.366 | 3.9 | 113 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.260 | 5.1 | 109 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.307 | 0.313 | -2.0 | 110 | -0.02 |
| 31 | | Naphthalene | 0.951 | 0.935 | 1.7 | 108 | -0.02 |
| 32 | | Benzoic acid | 0.230 | 0.217 | 5.7 | 95 | -0.02 |
| 33 | | 4-Chloroaniline | 0.406 | 0.371 | 8.6 | 104 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.189 | 0.203 | -7.4 | 113 | -0.02 |
| 35 | | Caprolactam | 0.079 | 0.082 | -3.8 | 110 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.296 | 0.273 | 7.8 | 102 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.646 | 0.621 | 3.9 | 104 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.564 | 0.575 | -2.0 | 114 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.261 | 0.125 | 52.1# | 48# | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.189 | 0.155 | 18.0 | 87 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.366 | 0.365 | 0.3 | 98 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.367 | 0.369 | -0.5 | 98 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.105 | 1.240 | -12.2 | 109 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.438 | 1.391 | 3.3 | 109 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.071 | 1.010 | 5.7 | 105 | -0.02 |
| 47 | | 2-Nitroaniline | 0.385 | 0.360 | 6.5 | 104 | -0.02 |
| 48 | | Acenaphthylene | 1.686 | 1.613 | 4.3 | 99 | -0.02 |
| 49 | | Dimethylphthalate | 1.211 | 1.285 | -6.1 | 104 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.271 | 0.296 | -9.2 | 104 | 0.00 |
| 51 | C | Acenaphthene | 1.137 | 1.120 | 1.5 | 96 | 0.00 |
| 52 | | 3-Nitroaniline | 0.313 | 0.272 | 13.1 | 101 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.118 | 0.064 | 45.8# | 49# | -0.02 |
| 54 | | Dibenzofuran | 1.523 | 1.437 | 5.6 | 97 | -0.02 |
| 55 | P | 4-Nitrophenol | 0.226 | 0.182 | 19.5 | 82 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.351 | 0.333 | 5.1 | 90 | -0.02 |
| 57 | | Fluorene | 1.169 | 1.036 | 11.4 | 94 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.314 | 0.261 | 16.9 | 81 | 0.00 |
| 59 | | Diethylphthalate | 1.195 | 1.237 | -3.5 | 104 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.586 | 0.557 | 4.9 | 103 | -0.02 |
| 61 | | 4-Nitroaniline | 0.294 | 0.249 | 15.3 | 81 | -0.02 |
| 62 | | Azobenzene | 1.220 | 1.267 | -3.9 | 98 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 85 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.110 | 0.079 | 28.2# | 63 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.606 | 0.668 | -10.2 | 101 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.215 | 0.240 | -11.6 | 92 | -0.02 |
| 67 | | Hexachlorobenzene | 0.232 | 0.229 | 1.3 | 92 | -0.02 |
| 68 | | Atrazine | 0.196 | 0.065 | 66.8# | 32# | -0.02 |
| 69 | C | Pentachlorophenol | 0.137 | 0.113 | 17.5 | 65 | -0.02 |
| 70 | | Phenanthrene | 1.039 | 0.984 | 5.3 | 89 | -0.02 |
| 71 | | Anthracene | 1.031 | 1.074 | -4.2 | 85 | -0.02 |
| 72 | | Carbazole | 0.936 | 0.929 | 0.7 | 92 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.061 | 1.152 | -8.6 | 90 | -0.02 |
| 74 | C | Fluoranthene | 0.984 | 0.965 | 1.9 | 79 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | -0.03 |
| 76 | | Benzidine | 0.587 | 0.200 | 65.9# | 28# | -0.02 |
| 77 | | Pyrene | 1.518 | 1.450 | 4.5 | 77 | -0.02 |
| 78 | S | Terphenyl-d14 | 0.920 | 0.909 | 1.2 | 80 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.568 | 0.546 | 3.9 | 84 | -0.03 |
| 80 | | Benzo(a)anthracene | 1.170 | 1.194 | -2.1 | 90 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.412 | 0.437 | -6.1 | 97 | -0.02 |
| 82 | | Chrysene | 1.157 | 1.253 | -8.3 | 92 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.720 | 0.779 | -8.2 | 91 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.090 | 1.398 | -28.3# | 109 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.060 | 1.224 | -15.5 | 96 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 112 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.243 | 1.370 | -10.2 | 112 | -0.03 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.045 | 0.952 | 8.9 | 122 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.116 | 1.121 | -0.4 | 118 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 1.033 | 0.940 | 9.0 | 98 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.065 | 0.906 | 14.9 | 90 | -0.04 |

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