# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094244.D
Acq On : 7 Apr 2017 00:28
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 07 10:48:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 10:49:07 2017
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 | 114 | 0.00 |
| 2 | | 1,4-Dioxane | 0.569 | 0.550 | 3.3 | 108 | -0.04 |
| 3 | | Pyridine | 1.550 | 1.514 | 2.3 | 107 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.638 | 0.645 | -1.1 | 110 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.184 | 1.155 | 2.4 | 111 | 0.00 |
| 6 | | Aniline | 2.038 | 1.887 | 7.4 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 1.465 | 1.433 | 2.2 | 110 | 0.00 |
| 8 | | 2-Chlorophenol | 1.302 | 1.324 | -1.7 | 113 | 0.00 |
| 9 | | Benzaldehyde | 0.989 | 0.864 | 12.6 | 98 | 0.00 |
| 10 | C | Phenol | 1.667 | 1.575 | 5.5 | 102 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.303 | 1.305 | -0.2 | 112 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.460 | 1.466 | -0.4 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.479 | 1.467 | 0.8 | 111 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.362 | 1.343 | 1.4 | 111 | 0.00 |
| 15 | | Benzyl Alcohol | 1.072 | 1.034 | 3.5 | 106 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.007 | 1.887 | 6.0 | 104 | 0.00 |
| 17 | | 2-Methylphenol | 1.115 | 1.126 | -1.0 | 113 | 0.00 |
| 18 | | Hexachloroethane | 0.520 | 0.512 | 1.5 | 108 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.941 | 0.926 | 1.6 | 110 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.350 | 1.408 | -4.3 | 119 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 22 | | Acetophenone | 0.446 | 0.462 | -3.6 | 123 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.350 | 0.350 | 0.0 | 114 | 0.00 |
| 24 | | Nitrobenzene | 0.346 | 0.345 | 0.3 | 113 | 0.00 |
| 25 | | Isophorone | 0.616 | 0.625 | -1.5 | 116 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.165 | 0.185 | -12.1 | 121 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.281 | 1.1 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.398 | 2.0 | 112 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.269 | -1.1 | 115 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.274 | 0.271 | 1.1 | 113 | 0.00 |
| 31 | | Naphthalene | 0.962 | 0.932 | 3.1 | 112 | 0.00 |
| 32 | | Benzoic acid | 0.189 | 0.182 | 3.7 | 97 | 0.01 |
| 33 | | 4-Chloroaniline | 0.390 | 0.393 | -0.8 | 115 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.140 | 0.136 | 2.9 | 111 | 0.00 |
| 35 | | Caprolactam | 0.085 | 0.094 | -10.6 | 124 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.277 | 0.288 | -4.0 | 118 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.624 | 2.7 | 112 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.547 | 0.543 | 0.7 | 119 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.256 | 0.175 | 31.6# | 75 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.158 | 0.162 | -2.5 | 119 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.387 | 0.385 | 0.5 | 117 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.419 | 0.417 | 0.5 | 113 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.311 | 1.237 | 5.6 | 113 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.613 | 1.518 | 5.9 | 112 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.263 | 1.205 | 4.6 | 114 | 0.00 |
| 47 | | 2-Nitroaniline | 0.375 | 0.400 | -6.7 | 121 | 0.00 |
| 48 | | Acenaphthylene | 2.099 | 1.941 | 7.5 | 109 | 0.00 |
| 49 | | Dimethylphthalate | 1.422 | 1.432 | -0.7 | 120 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.326 | 0.336 | -3.1 | 118 | 0.00 |
| 51 | C | Acenaphthene | 1.225 | 1.156 | 5.6 | 114 | 0.00 |
| 52 | | 3-Nitroaniline | 0.383 | 0.403 | -5.2 | 123 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.155 | 0.129 | 16.8 | 94 | 0.00 |
| 54 | | Dibenzofuran | 1.667 | 1.519 | 8.9 | 107 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.300 | 0.283 | 5.7 | 106 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.409 | 0.388 | 5.1 | 107 | 0.00 |
| 57 | | Fluorene | 1.382 | 1.239 | 10.3 | 114 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.287 | 0.281 | 2.1 | 113 | 0.00 |
| 59 | | Diethylphthalate | 1.405 | 1.379 | 1.9 | 116 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.589 | 0.529 | 10.2 | 113 | 0.00 |
| 61 | | 4-Nitroaniline | 0.367 | 0.393 | -7.1 | 122 | 0.00 |
| 62 | | Azobenzene | 1.329 | 1.258 | 5.3 | 111 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.115 | 5.7 | 102 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.692 | 0.691 | 0.1 | 116 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.197 | 0.197 | 0.0 | 115 | 0.00 |
| 67 | | Hexachlorobenzene | 0.199 | 0.203 | -2.0 | 119 | 0.00 |
| 68 | | Atrazine | 0.207 | 0.213 | -2.9 | 118 | 0.00 |
| 69 | C | Pentachlorophenol | 0.124 | 0.157 | -26.6# | 141 | 0.00 |
| 70 | | Phenanthrene | 1.113 | 1.076 | 3.3 | 114 | 0.00 |
| 71 | | Anthracene | 1.146 | 1.105 | 3.6 | 113 | 0.00 |
| 72 | | Carbazole | 1.175 | 1.118 | 4.9 | 111 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.222 | 1.221 | 0.1 | 114 | 0.00 |
| 74 | C | Fluoranthene | 1.139 | 1.058 | 7.1 | 109 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 76 | | Benzidine | 0.792 | 0.691 | 12.8 | 77 | 0.00 |
| 77 | | Pyrene | 1.451 | 1.675 | -15.4 | 104 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.892 | 1.035 | -16.0 | 107 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.618 | 0.784 | -26.9# | 109 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.166 | 1.177 | -0.9 | 90 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.417 | 0.422 | -1.2 | 87 | 0.00 |
| 82 | | Chrysene | 1.082 | 1.092 | -0.9 | 92 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.844 | 1.048 | -24.2 | 108 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.410 | 1.562 | -10.8 | 95 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.937 | 1.099 | -17.3 | 110 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.226 | 1.196 | 2.4 | 91 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.199 | 1.120 | 6.6 | 86 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.129 | 1.125 | 0.4 | 92 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.956 | 1.104 | -15.5 | 110 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 0.964 | 1.129 | -17.1 | 113 | 0.01 |

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