# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF030118\
Data File : BF103324.D
Acq On : 1 Mar 2018 9:38
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 01 12:44:44 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 17:05:20 2018
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 | 0.698 | 0.683 | 2.1 | 104 | 0.02 |
| 3 | | Pyridine | 1.865 | 1.976 | -6.0 | 111 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 0.752 | 0.878 | -16.8 | 125 | 0.02 |
| 5 | S | 2-Fluorophenol | 1.322 | 1.282 | 3.0 | 105 | 0.00 |
| 6 | | Aniline | 2.335 | 2.333 | 0.1 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 1.618 | 1.581 | 2.3 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 1.374 | 1.329 | 3.3 | 105 | 0.00 |
| 9 | | Benzaldehyde | 1.014 | 1.120 | -10.5 | 123 | 0.00 |
| 10 | C | Phenol | 1.878 | 1.822 | 3.0 | 106 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.426 | 1.453 | -1.9 | 110 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.570 | 1.504 | 4.2 | 105 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.574 | 1.493 | 5.1 | 104 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.451 | 1.363 | 6.1 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 1.219 | 1.205 | 1.1 | 108 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.448 | 2.323 | 5.1 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 1.248 | 1.194 | 4.3 | 104 | 0.00 |
| 18 | | Hexachloroethane | 0.573 | 0.570 | 0.5 | 108 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.007 | 0.998 | 0.9 | 113 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.522 | 1.390 | 8.7 | 107 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 22 | | Acetophenone | 0.467 | 0.450 | 3.6 | 107 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.350 | 0.353 | -0.9 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.386 | 0.386 | 0.0 | 108 | 0.00 |
| 25 | | Isophorone | 0.690 | 0.697 | -1.0 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.182 | 0.188 | -3.3 | 107 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.277 | 0.261 | 5.8 | 102 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.406 | 0.388 | 4.4 | 105 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.266 | 0.253 | 4.9 | 103 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.283 | 0.264 | 6.7 | 101 | 0.00 |
| 31 | | Naphthalene | 0.979 | 0.889 | 9.2 | 100 | 0.00 |
| 32 | | Benzoic acid | 0.183 | 0.215 | -17.5 | 120 | 0.01 |
| 33 | | 4-Chloroaniline | 0.423 | 0.398 | 5.9 | 102 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.147 | 0.137 | 6.8 | 102 | 0.00 |
| 35 | | Caprolactam | 0.093 | 0.091 | 2.2 | 103 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.300 | 0.284 | 5.3 | 102 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.633 | 0.580 | 8.4 | 102 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.547 | 0.501 | 8.4 | 99 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.152 | 0.141 | 7.2 | 96 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.169 | 0.152 | 10.1 | 94 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.368 | 0.347 | 5.7 | 100 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.423 | 0.388 | 8.3 | 97 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.177 | 1.065 | 9.5 | 99 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.676 | 1.528 | 8.8 | 102 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.326 | 1.220 | 8.0 | 101 | 0.00 |
| 47 | | 2-Nitroaniline | 0.491 | 0.479 | 2.4 | 103 | 0.00 |
| 48 | | Acenaphthylene | 2.040 | 1.828 | 10.4 | 98 | 0.00 |
| 49 | | Dimethylphthalate | 1.604 | 1.452 | 9.5 | 100 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.337 | 0.317 | 5.9 | 101 | 0.00 |
| 51 | C | Acenaphthene | 1.190 | 1.066 | 10.4 | 100 | 0.00 |
| 52 | | 3-Nitroaniline | 0.427 | 0.398 | 6.8 | 100 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.094 | 0.091 | 3.2 | 99 | 0.00 |
| 54 | | Dibenzofuran | 1.633 | 1.474 | 9.7 | 95 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.265 | 0.248 | 6.4 | 98 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.426 | 0.381 | 10.6 | 93 | 0.00 |
| 57 | | Fluorene | 1.391 | 1.192 | 14.3 | 100 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.284 | 0.259 | 8.8 | 97 | 0.00 |
| 59 | | Diethylphthalate | 1.535 | 1.375 | 10.4 | 99 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.590 | 0.532 | 9.8 | 99 | 0.00 |
| 61 | | 4-Nitroaniline | 0.427 | 0.396 | 7.3 | 98 | 0.00 |
| 62 | | Azobenzene | 1.562 | 1.450 | 7.2 | 101 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.112 | 0.114 | -1.8 | 99 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.696 | 0.653 | 6.2 | 99 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.208 | 0.200 | 3.8 | 98 | 0.00 |
| 67 | | Hexachlorobenzene | 0.226 | 0.211 | 6.6 | 98 | 0.00 |
| 68 | | Atrazine | 0.209 | 0.195 | 6.7 | 98 | 0.00 |
| 69 | C | Pentachlorophenol | 0.109 | 0.091 | 16.5 | 83 | 0.00 |
| 70 | | Phenanthrene | 1.101 | 0.995 | 9.6 | 96 | 0.00 |
| 71 | | Anthracene | 1.129 | 1.029 | 8.9 | 97 | 0.00 |
| 72 | | Carbazole | 1.124 | 1.027 | 8.6 | 97 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.406 | 1.313 | 6.6 | 99 | 0.00 |
| 74 | C | Fluoranthene | 1.106 | 0.992 | 10.3 | 95 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 76 | | Benzidine | 0.748 | 0.761 | -1.7 | 106 | 0.00 |
| 77 | | Pyrene | 1.559 | 1.466 | 6.0 | 94 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.832 | 0.751 | 9.7 | 94 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.824 | 0.805 | 2.3 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.298 | 1.212 | 6.6 | 93 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.463 | 0.418 | 9.7 | 88 | 0.00 |
| 82 | | Chrysene | 1.260 | 1.155 | 8.3 | 92 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.112 | 1.047 | 5.8 | 92 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.796 | 1.768 | 1.6 | 97 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.998 | 0.890 | 10.8 | 93 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.315 | 1.302 | 1.0 | 96 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.238 | 1.101 | 11.1 | 83 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.174 | 1.098 | 6.5 | 89 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.907 | 0.855 | 5.7 | 91 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 0.887 | 0.856 | 3.5 | 94 | 0.02 |

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