# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF080918\
Data File : BF108067.D
Acq On : 9 Aug 2018 22:51
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 10 04:17:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 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 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 0.568 | 0.556 | 2.1 | 99 | -0.02 |
| 3 | | Pyridine | 1.462 | 1.477 | -1.0 | 101 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.823 | 0.799 | 2.9 | 97 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.105 | 1.137 | -2.9 | 105 | 0.00 |
| 6 | | Aniline | 1.997 | 2.043 | -2.3 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 1.468 | 1.492 | -1.6 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 1.244 | 1.274 | -2.4 | 103 | 0.00 |
| 9 | | Benzaldehyde | 1.138 | 1.146 | -0.7 | 102 | 0.00 |
| 10 | C | Phenol | 1.518 | 1.549 | -2.0 | 105 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.228 | 1.239 | -0.9 | 102 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.439 | 1.462 | -1.6 | 104 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.445 | 1.458 | -0.9 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.344 | 1.362 | -1.3 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 1.236 | 1.228 | 0.6 | 99 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.529 | 2.444 | 3.4 | 97 | 0.00 |
| 17 | | 2-Methylphenol | 1.067 | 1.079 | -1.1 | 101 | 0.00 |
| 18 | | Hexachloroethane | 0.515 | 0.465 | 9.7 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.993 | 0.968 | 2.5 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.367 | 1.407 | -2.9 | 104 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 22 | | Acetophenone | 0.468 | 0.474 | -1.3 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.358 | 0.370 | -3.4 | 99 | 0.00 |
| 24 | | Nitrobenzene | 0.362 | 0.375 | -3.6 | 98 | 0.00 |
| 25 | | Isophorone | 0.683 | 0.671 | 1.8 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.137 | 0.145 | -5.8 | 100 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.303 | 0.308 | -1.7 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.399 | 0.405 | -1.5 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.279 | 0.288 | -3.2 | 98 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.308 | 0.310 | -0.6 | 99 | 0.00 |
| 31 | | Naphthalene | 0.910 | 0.907 | 0.3 | 98 | 0.00 |
| 32 | | Benzoic acid | 0.161 | 0.138 | 14.3 | 81 | -0.01 |
| 33 | | 4-Chloroaniline | 0.396 | 0.400 | -1.0 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.195 | 0.199 | -2.1 | 99 | 0.00 |
| 35 | | Caprolactam | 0.087 | 0.088 | -1.1 | 94 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.301 | 0.292 | 3.0 | 93 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.644 | 0.623 | 3.3 | 94 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.614 | 0.684 | -11.4 | 93 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.397 | 0.101 | 74.6# | 20# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.199 | 0.187 | 6.0 | 74 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.381 | 0.432 | -13.4 | 91 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.420 | 0.452 | -7.6 | 86 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.246 | 1.367 | -9.7 | 95 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.475 | 1.602 | -8.6 | 92 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.165 | 1.238 | -6.3 | 89 | 0.00 |
| 47 | | 2-Nitroaniline | 0.377 | 0.424 | -12.5 | 89 | 0.00 |
| 48 | | Acenaphthylene | 1.843 | 1.882 | -2.1 | 86 | 0.00 |
| 49 | | Dimethylphthalate | 1.393 | 1.497 | -7.5 | 91 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.291 | 0.312 | -7.2 | 86 | 0.00 |
| 51 | C | Acenaphthene | 1.129 | 1.102 | 2.4 | 82 | 0.00 |
| 52 | | 3-Nitroaniline | 0.319 | 0.345 | -8.2 | 87 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.092 | 0.025# | 72.8# | 23# | 0.00 |
| 54 | | Dibenzofuran | 1.635 | 1.613 | 1.3 | 84 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.241 | 0.222 | 7.9 | 75 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.375 | 0.376 | -0.3 | 78 | 0.00 |
| 57 | | Fluorene | 1.294 | 1.220 | 5.7 | 80 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.351 | 0.343 | 2.3 | 77 | 0.00 |
| 59 | | Diethylphthalate | 1.349 | 1.396 | -3.5 | 87 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.674 | 0.662 | 1.8 | 82 | 0.00 |
| 61 | | 4-Nitroaniline | 0.315 | 0.318 | -1.0 | 81 | 0.00 |
| 62 | | Azobenzene | 1.393 | 1.315 | 5.6 | 79 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.069 | 0.028 | 59.4# | 28# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.591 | 0.678 | -14.7 | 81 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.217 | 0.238 | -9.7 | 78 | 0.00 |
| 67 | | Hexachlorobenzene | 0.229 | 0.238 | -3.9 | 74 | 0.00 |
| 68 | | Atrazine | 0.198 | 0.214 | -8.1 | 75 | 0.00 |
| 69 | C | Pentachlorophenol | 0.109 | 0.111 | -1.8 | 69 | 0.00 |
| 70 | | Phenanthrene | 0.943 | 0.969 | -2.8 | 75 | 0.00 |
| 71 | | Anthracene | 0.967 | 1.000 | -3.4 | 74 | 0.00 |
| 72 | | Carbazole | 0.859 | 0.888 | -3.4 | 74 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.973 | 1.079 | -10.9 | 78 | 0.00 |
| 74 | C | Fluoranthene | 1.030 | 1.105 | -7.3 | 78 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 76 | | Benzidine | 0.747 | 0.817 | -9.4 | 84 | 0.00 |
| 77 | | Pyrene | 1.266 | 1.223 | 3.4 | 79 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.787 | 0.767 | 2.5 | 81 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.503 | 0.547 | -8.7 | 83 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.148 | 1.181 | -2.9 | 83 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.411 | 0.480 | -16.8 | 89 | 0.00 |
| 82 | | Chrysene | 1.052 | 1.074 | -2.1 | 83 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.681 | 0.772 | -13.4 | 88 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.038 | 1.289 | -24.2# | 94 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.912 | 0.728 | 20.2 | 66 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 73 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.195 | 1.299 | -8.7 | 75 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.099 | 1.188 | -8.1 | 81 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.070 | 1.100 | -2.8 | 74 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.885 | 0.823 | 7.0 | 67 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.872 | 0.766 | 12.2 | 65 | 0.00 |

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