# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF112318\
Data File : BF110950.D
Acq On : 23 Nov 2018 18:09
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 23 20:06:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 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 | 74 | -0.01 |
| 2 | | 1,4-Dioxane | 0.613 | 0.590 | 3.8 | 71 | -0.04 |
| 3 | | Pyridine | 1.324 | 1.287 | 2.8 | 67 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.568 | 0.591 | -4.0 | 73 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.231 | 1.256 | -2.0 | 73 | -0.01 |
| 6 | | Aniline | 2.053 | 1.969 | 4.1 | 72 | -0.01 |
| 7 | S | Phenol-d6 | 1.575 | 1.571 | 0.3 | 74 | 0.00 |
| 8 | | 2-Chlorophenol | 1.443 | 1.441 | 0.1 | 74 | -0.01 |
| 9 | | Benzaldehyde | 0.893 | 0.841 | 5.8 | 72 | 0.00 |
| 10 | C | Phenol | 1.826 | 1.786 | 2.2 | 72 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.368 | 1.323 | 3.3 | 72 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.579 | 1.555 | 1.5 | 72 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.604 | 1.617 | -0.8 | 75 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.492 | 1.517 | -1.7 | 76 | -0.02 |
| 15 | | Benzyl Alcohol | 1.232 | 1.258 | -2.1 | 74 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.149 | 2.128 | 1.0 | 73 | -0.01 |
| 17 | | 2-Methylphenol | 1.149 | 1.114 | 3.0 | 72 | -0.01 |
| 18 | | Hexachloroethane | 0.592 | 0.600 | -1.4 | 75 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.005 | 1.029 | -2.4 | 76 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.475 | 1.500 | -1.7 | 76 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 22 | | Acetophenone | 0.466 | 0.473 | -1.5 | 74 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.347 | 0.352 | -1.4 | 74 | -0.01 |
| 24 | | Nitrobenzene | 0.356 | 0.362 | -1.7 | 74 | 0.00 |
| 25 | | Isophorone | 0.569 | 0.572 | -0.5 | 75 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.178 | 0.188 | -5.6 | 75 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.270 | 0.276 | -2.2 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.385 | 0.393 | -2.1 | 75 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.278 | 0.292 | -5.0 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.314 | 0.319 | -1.6 | 74 | -0.01 |
| 31 | | Naphthalene | 0.939 | 0.946 | -0.7 | 74 | -0.01 |
| 32 | | Benzoic acid | 0.191 | 0.204 | -6.8 | 72 | 0.00 |
| 33 | | 4-Chloroaniline | 0.425 | 0.418 | 1.6 | 75 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.179 | 0.186 | -3.9 | 77 | -0.01 |
| 35 | | Caprolactam | 0.093 | 0.096 | -3.2 | 76 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.300 | 0.316 | -5.3 | 76 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.615 | 0.626 | -1.8 | 75 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.592 | 0.600 | -1.4 | 75 | -0.01 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 75 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.633 | 0.634 | -0.2 | 75 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.203 | 0.166 | 18.2 | 58 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.202 | 0.205 | -1.5 | 76 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.398 | 0.394 | 1.0 | 73 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.424 | 0.419 | 1.2 | 73 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.400 | 1.390 | 0.7 | 76 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.866 | 1.852 | 0.8 | 75 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.344 | 1.335 | 0.7 | 76 | -0.01 |
| 48 | | 2-Nitroaniline | 0.414 | 0.424 | -2.4 | 76 | 0.00 |
| 49 | | Acenaphthylene | 1.936 | 1.913 | 1.2 | 74 | -0.01 |
| 50 | | Dimethylphthalate | 1.492 | 1.457 | 2.3 | 74 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.328 | 0.338 | -3.0 | 77 | 0.00 |
| 52 | C | Acenaphthene | 1.223 | 1.211 | 1.0 | 76 | -0.01 |
| 53 | | 3-Nitroaniline | 0.380 | 0.393 | -3.4 | 78 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.116 | 0.117 | -0.9 | 71 | 0.00 |
| 55 | | Dibenzofuran | 1.790 | 1.781 | 0.5 | 76 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.252 | 0.238 | 5.6 | 68 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.427 | 0.429 | -0.5 | 75 | 0.00 |
| 58 | | Fluorene | 1.375 | 1.361 | 1.0 | 76 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.334 | 0.330 | 1.2 | 74 | 0.00 |
| 60 | | Diethylphthalate | 1.476 | 1.519 | -2.9 | 79 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.712 | 0.722 | -1.4 | 77 | -0.01 |
| 62 | | 4-Nitroaniline | 0.383 | 0.358 | 6.5 | 70 | 0.00 |
| 63 | | Azobenzene | 1.440 | 1.448 | -0.6 | 76 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 77 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.101 | 0.096 | 5.0 | 71 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.674 | 0.683 | -1.3 | 78 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.221 | 0.224 | -1.4 | 79 | -0.01 |
| 68 | | Hexachlorobenzene | 0.233 | 0.233 | 0.0 | 78 | 0.00 |
| 69 | | Atrazine | 0.206 | 0.192 | 6.8 | 72 | 0.00 |
| 70 | C | Pentachlorophenol | 0.124 | 0.110 | 11.3 | 66 | 0.00 |
| 71 | | Phenanthrene | 1.071 | 1.069 | 0.2 | 79 | 0.00 |
| 72 | | Anthracene | 1.081 | 1.090 | -0.8 | 78 | 0.00 |
| 73 | | Carbazole | 1.038 | 1.070 | -3.1 | 80 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.217 | 1.261 | -3.6 | 79 | -0.01 |
| 75 | C | Fluoranthene | 1.074 | 1.075 | -0.1 | 78 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 77 | | Benzidine | 0.550 | 0.518 | 5.8 | 77 | 0.00 |
| 78 | | Pyrene | 1.540 | 1.508 | 2.1 | 78 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.068 | 1.058 | 0.9 | 81 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.663 | 0.680 | -2.6 | 79 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.195 | 1.181 | 1.2 | 79 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.400 | 0.413 | -3.2 | 83 | 0.00 |
| 83 | | Chrysene | 1.139 | 1.129 | 0.9 | 81 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.822 | 0.899 | -9.4 | 87 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.209 | 1.333 | -10.3 | 91 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 0.817 | 0.774 | 5.3 | 77 | 0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.196 | 1.226 | -2.5 | 78 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.182 | 1.139 | 3.6 | 78 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.087 | 1.079 | 0.7 | 78 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.920 | 0.932 | -1.3 | 77 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.913 | 0.931 | -2.0 | 77 | 0.02 |

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