# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072618\
Data File : BF107725.D
Acq On : 27 Jul 2018 4:08
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 27 06:57:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 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 | 47# | -0.01 |
| 2 | | 1,4-Dioxane | 0.579 | 0.486 | 16.1 | 39# | -0.07 |
| 3 | | Pyridine | 1.575 | 1.152 | 26.9# | 34# | -0.04 |
| 4 | | n-Nitrosodimethylamine | 0.664 | 0.335 | 49.5# | 24# | -0.04 |
| 5 | S | 2-Fluorophenol | 1.244 | 1.142 | 8.2 | 42# | -0.02 |
| 6 | | Aniline | 1.926 | 1.670 | 13.3 | 41# | -0.01 |
| 7 | S | Phenol-d6 | 1.494 | 1.442 | 3.5 | 46# | -0.01 |
| 8 | | 2-Chlorophenol | 1.333 | 1.374 | -3.1 | 48# | -0.01 |
| 9 | | Benzaldehyde | 0.977 | 0.792 | 18.9 | 41# | 0.00 |
| 10 | C | Phenol | 1.757 | 1.518 | 13.6 | 41# | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.456 | 1.525 | -4.7 | 48# | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.511 | 1.492 | 1.3 | 47# | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.549 | 1.710 | -10.4 | 53 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.390 | 1.548 | -11.4 | 54 | -0.02 |
| 15 | | Benzyl Alcohol | 1.018 | 0.982 | 3.5 | 44# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.457 | 2.219 | 9.7 | 43# | -0.02 |
| 17 | | 2-Methylphenol | 1.133 | 1.082 | 4.5 | 45# | -0.01 |
| 18 | | Hexachloroethane | 0.543 | 0.553 | -1.8 | 47# | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.965 | 0.941 | 2.5 | 48# | -0.02 |
| 20 | | 3+4-Methylphenols | 1.345 | 1.413 | -5.1 | 50 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 49# | -0.01 |
| 22 | | Acetophenone | 0.470 | 0.463 | 1.5 | 51 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.296 | 0.335 | -13.2 | 54 | -0.02 |
| 24 | | Nitrobenzene | 0.339 | 0.357 | -5.3 | 49# | -0.01 |
| 25 | | Isophorone | 0.633 | 0.554 | 12.5 | 44# | -0.02 |
| 26 | C | 2-Nitrophenol | 0.143 | 0.191 | -33.6# | 61 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.271 | 0.241 | 11.1 | 44# | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.423 | 0.385 | 9.0 | 46# | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.277 | 0.283 | -2.2 | 49# | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.311 | 0.317 | -1.9 | 51 | -0.02 |
| 31 | | Naphthalene | 0.879 | 0.955 | -8.6 | 56 | -0.02 |
| 32 | | Benzoic acid | 0.166 | 0.142 | 14.5 | 38# | -0.02 |
| 33 | | 4-Chloroaniline | 0.384 | 0.393 | -2.3 | 54 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.185 | 0.189 | -2.2 | 51 | -0.02 |
| 35 | | Caprolactam | 0.090 | 0.076 | 15.6 | 40# | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.308 | 0.295 | 4.2 | 47# | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.609 | 0.593 | 2.6 | 50 | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 47# | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.667 | 0.723 | -8.4 | 52 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.339 | 0.139 | 59.0# | 18# | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.227 | 0.229 | -0.9 | 45# | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.427 | 0.417 | 2.3 | 44# | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.446 | 0.467 | -4.7 | 47# | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.315 | 1.527 | -16.1 | 61 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.742 | 1.899 | -9.0 | 54 | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.332 | 1.401 | -5.2 | 51 | -0.02 |
| 47 | | 2-Nitroaniline | 0.388 | 0.438 | -12.9 | 50# | -0.01 |
| 48 | | Acenaphthylene | 2.000 | 2.078 | -3.9 | 51 | -0.02 |
| 49 | | Dimethylphthalate | 1.507 | 1.521 | -0.9 | 49# | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.299 | 0.329 | -10.0 | 50 | -0.02 |
| 51 | C | Acenaphthene | 1.253 | 1.172 | 6.5 | 45# | -0.02 |
| 52 | | 3-Nitroaniline | 0.364 | 0.365 | -0.3 | 46# | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.096 | 0.068 | 29.2# | 33# | 0.00 |
| 54 | | Dibenzofuran | 1.845 | 1.841 | 0.2 | 50# | -0.02 |
| 55 | P | 4-Nitrophenol | 0.273 | 0.129 | 52.7# | 21# | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.361 | 0.383 | -6.1 | 47# | -0.02 |
| 57 | | Fluorene | 1.316 | 1.347 | -2.4 | 49# | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.371 | 0.383 | -3.2 | 47# | -0.02 |
| 59 | | Diethylphthalate | 1.574 | 1.534 | 2.5 | 48# | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.744 | 0.759 | -2.0 | 50 | -0.02 |
| 61 | | 4-Nitroaniline | 0.306 | 0.268 | 12.4 | 39# | -0.02 |
| 62 | | Azobenzene | 1.476 | 1.371 | 7.1 | 44# | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 38# | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.084 | 0.082 | 2.4 | 35# | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.679 | 0.796 | -17.2 | 47# | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.235 | 0.269 | -14.5 | 45# | -0.02 |
| 67 | | Hexachlorobenzene | 0.259 | 0.278 | -7.3 | 42# | -0.02 |
| 68 | | Atrazine | 0.207 | 0.217 | -4.8 | 40# | -0.02 |
| 69 | C | Pentachlorophenol | 0.162 | 0.140 | 13.6 | 32# | -0.02 |
| 70 | | Phenanthrene | 0.975 | 0.978 | -0.3 | 41# | -0.02 |
| 71 | | Anthracene | 0.981 | 1.066 | -8.7 | 45# | -0.02 |
| 72 | | Carbazole | 1.020 | 0.964 | 5.5 | 39# | -0.01 |
| 73 | | Di-n-butylphthalate | 1.155 | 1.283 | -11.1 | 46# | -0.02 |
| 74 | C | Fluoranthene | 1.046 | 0.947 | 9.5 | 37# | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 40# | -0.02 |
| 76 | | Benzidine | 0.576 | 0.474 | 17.7 | 35# | -0.01 |
| 77 | | Pyrene | 1.368 | 1.174 | 14.2 | 37# | -0.02 |
| 78 | S | Terphenyl-d14 | 0.781 | 0.778 | 0.4 | 43# | -0.02 |
| 79 | | Butylbenzylphthalate | 0.588 | 0.536 | 8.8 | 35# | -0.03 |
| 80 | | Benzo(a)anthracene | 1.172 | 1.116 | 4.8 | 39# | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.371 | 0.448 | -20.8 | 51 | -0.02 |
| 82 | | Chrysene | 1.126 | 1.207 | -7.2 | 46# | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.830 | 0.726 | 12.5 | 36# | -0.03 |
| 84 | c | Di-n-octyl phthalate | 1.290 | 1.380 | -7.0 | 42# | -0.04 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.954 | 0.974 | -2.1 | 46# | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 51 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.095 | 0.953 | 13.0 | 44# | -0.02 |

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| 88 | Benzo(k)fluoranthene | 1.072 | 1.178 | -9.9 | 58 | -0.03 |
| 89 C | Benzo(a)pyrene | 1.001 | 0.973 | 2.8 | 50 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 0.866 | 0.759 | 12.4 | 47# | -0.04 |
| 91 | Benzo(g,h,i)perylene | 0.854 | 0.682 | 20.1 | 43# | -0.04 |

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