# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF091018\
Data File : BF108914.D
Acq On : 11 Sep 2018 1:12
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 11 04:13:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 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 | 49# | 0.00 |
| 2 | | 1,4-Dioxane | 0.580 | 0.598 | -3.1 | 51 | -0.04 |
| 3 | | Pyridine | 1.589 | 1.660 | -4.5 | 51 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.610 | 0.595 | 2.5 | 47# | -0.04 |
| 5 | S | 2-Fluorophenol | 1.207 | 1.232 | -2.1 | 52 | 0.01 |
| 6 | | Aniline | 2.089 | 1.964 | 6.0 | 47# | 0.00 |
| 7 | S | Phenol-d6 | 1.553 | 1.540 | 0.8 | 50 | 0.01 |
| 8 | | 2-Chlorophenol | 1.336 | 1.349 | -1.0 | 51 | 0.00 |
| 9 | | Benzaldehyde | 1.102 | 1.068 | 3.1 | 50 | 0.00 |
| 10 | C | Phenol | 1.779 | 1.704 | 4.2 | 48# | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.425 | 1.375 | 3.5 | 49# | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.525 | 1.520 | 0.3 | 50 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.525 | 1.533 | -0.5 | 51 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.406 | 1.387 | 1.4 | 50 | 0.00 |
| 15 | | Benzyl Alcohol | 1.192 | 1.145 | 3.9 | 48# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.130 | 1.977 | 7.2 | 46# | 0.00 |
| 17 | | 2-Methylphenol | 1.129 | 1.056 | 6.5 | 47# | 0.00 |
| 18 | | Hexachloroethane | 0.550 | 0.413 | 24.9 | 37# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.080 | 0.948 | 12.2 | 44# | 0.00 |
| 20 | | 3+4-Methylphenols | 1.323 | 1.242 | 6.1 | 49# | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 45# | 0.00 |
| 22 | | Acetophenone | 0.454 | 0.454 | 0.0 | 47# | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.320 | 0.368 | -15.0 | 50# | 0.00 |
| 24 | | Nitrobenzene | 0.343 | 0.382 | -11.4 | 48# | 0.00 |
| 25 | | Isophorone | 0.637 | 0.597 | 6.3 | 43# | 0.00 |
| 26 | C | 2-Nitrophenol | 0.135 | 0.136 | -0.7 | 43# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.274 | 0.276 | -0.7 | 45# | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.426 | 0.424 | 0.5 | 45# | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.283 | 0.276 | 2.5 | 43# | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.307 | 0.307 | 0.0 | 45# | 0.00 |
| 31 | | Naphthalene | 0.900 | 0.915 | -1.7 | 47# | 0.00 |
| 32 | | Benzoic acid | 0.168 | 0.124 | 26.2# | 31# | -0.03 |
| 33 | | 4-Chloroaniline | 0.413 | 0.405 | 1.9 | 45# | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.183 | 0.192 | -4.9 | 47# | 0.00 |
| 35 | | Caprolactam | 0.096 | 0.083 | 13.5 | 41# | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.301 | 0.268 | 11.0 | 40# | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.594 | 0.553 | 6.9 | 44# | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 38# | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.598 | 0.704 | -17.7 | 46# | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.301 | 0.031# | 89.7# | 4# | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.191 | 0.186 | 2.6 | 37# | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.407 | 0.430 | -5.7 | 39# | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.422 | 0.429 | -1.7 | 37# | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.172 | 1.440 | -22.9 | 47# | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.540 | 1.735 | -12.7 | 45# | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.245 | 1.330 | -6.8 | 41# | 0.00 |
| 47 | | 2-Nitroaniline | 0.340 | 0.423 | -24.4 | 45# | 0.00 |
| 48 | | Acenaphthylene | 1.856 | 1.894 | -2.0 | 40# | 0.00 |
| 49 | | Dimethylphthalate | 1.399 | 1.519 | -8.6 | 43# | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.267 | 0.289 | -8.2 | 38# | 0.00 |
| 51 | C | Acenaphthene | 1.149 | 1.108 | 3.6 | 38# | 0.00 |
| 52 | | 3-Nitroaniline | 0.317 | 0.389 | -22.7 | 43# | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.078 | 0.005# | 93.6# | 2# | 0.01 |
| 54 | | Dibenzofuran | 1.674 | 1.652 | 1.3 | 40# | 0.00 |
| 55 | P | 4-Nitrophenol | 0.237 | 0.231 | 2.5 | 34# | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.341 | 0.321 | 5.9 | 34# | 0.00 |
| 57 | | Fluorene | 1.074 | 1.104 | -2.8 | 40# | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.340 | 0.316 | 7.1 | 34# | 0.00 |
| 59 | | Diethylphthalate | 1.444 | 1.446 | -0.1 | 39# | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.574 | 0.623 | -8.5 | 42# | 0.00 |
| 61 | | 4-Nitroaniline | 0.287 | 0.348 | -21.3 | 43# | 0.00 |
| 62 | | Azobenzene | 1.490 | 1.353 | 9.2 | 36# | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 34# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.070 | 0.008 | 88.6# | 4# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.665 | 0.702 | -5.6 | 37# | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.226 | 0.234 | -3.5 | 36# | 0.00 |
| 67 | | Hexachlorobenzene | 0.241 | 0.239 | 0.8 | 35# | 0.01 |
| 68 | | Atrazine | 0.213 | 0.205 | 3.8 | 34# | 0.00 |
| 69 | C | Pentachlorophenol | 0.147 | 0.159 | -8.2 | 34# | 0.01 |
| 70 | | Phenanthrene | 0.955 | 0.984 | -3.0 | 37# | 0.00 |
| 71 | | Anthracene | 0.914 | 1.000 | -9.4 | 37# | 0.00 |
| 72 | | Carbazole | 0.963 | 1.010 | -4.9 | 38# | 0.00 |
| 73 | | Di-n-butylphthalate | 1.069 | 1.192 | -11.5 | 38# | 0.00 |
| 74 | C | Fluoranthene | 0.946 | 1.136 | -20.1# | 41# | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 52 | 0.01 |
| 76 | | Benzidine | 0.948 | 0.842 | 11.2 | 45# | 0.01 |
| 77 | | Pyrene | 1.539 | 1.280 | 16.8 | 42# | 0.00 |
| 78 | S | Terphenyl-d14 | 0.858 | 0.718 | 16.3 | 44# | 0.00 |
| 79 | | Butylbenzylphthalate | 0.693 | 0.590 | 14.9 | 42# | 0.00 |
| 80 | | Benzo(a)anthracene | 1.282 | 1.159 | 9.6 | 47# | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.499 | 0.525 | -5.2 | 53 | 0.00 |
| 82 | | Chrysene | 1.241 | 1.168 | 5.9 | 48# | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.871 | 0.765 | 12.2 | 43# | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.452 | 1.513 | -4.2 | 52 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.098 | 0.773 | 29.6# | 37# | 0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 41# | 0.02 |
| 87 | | Benzo(b)fluoranthene | 1.088 | 1.204 | -10.7 | 47# | 0.01 |

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| 88 | Benzo(k)fluoranthene | 1.001 | 1.033 | -3.2 | 42# | 0.01 |
| 89 C | Benzo(a)pyrene | 0.981 | 0.979 | 0.2 | 42# | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.865 | 0.799 | 7.6 | 38# | 0.02 |
| 91 | Benzo(g,h,i)perylene | 0.866 | 0.784 | 9.5 | 36# | 0.03 |

(#) = Out of Range SPCC's out = 2 CCC's out = 1