# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082218\
Data File : BF108405.D
Acq On : 23 Aug 2018 3:04
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 23 07:03:07 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 22 11:01:45 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 54 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.092 | 7.3 | 50 | 0.00 |
| 3 | | Pyridine | 40.000 | 38.422 | 3.9 | 51 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.020 | 9.9 | 48 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.160 | -2.7 | 56 | 0.00 |
| 6 | | Aniline | 40.000 | 40.190 | -0.5 | 55 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.915 | -1.1 | 55 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.033 | -2.6 | 55 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.916 | 2.7 | 52 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.580 | -1.4 | 56 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.208 | -0.5 | 54 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.384 | -3.5 | 56 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.391 | -3.5 | 56 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.604 | -1.5 | 55 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.703 | 5.7 | 50 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.040 | 7.4 | 50 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.601 | -4.0 | 55 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.165 | 4.6 | 51 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.839 | 2.9 | 53 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.451 | 1.4 | 53 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 53 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.598 | -1.5 | 54 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.333 | -4.2 | 54 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.387 | -3.5 | 53 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.325 | 1.7 | 52 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.517 | -3.8 | 53 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.626 | 0.9 | 52 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.265 | -0.7 | 53 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.798 | -2.0 | 52 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.952 | -2.4 | 54 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.059 | -2.6 | 55 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 24.898 | 37.8# | 30 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.294 | -0.7 | 53 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.189 | -5.5 | 55 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.362 | 4.1 | 48 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.167 | 4.6 | 49 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.873 | 0.3 | 53 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 47 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.717 | -11.8 | 52 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 6.356 | 84.1# | 7 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 72.465 | 9.4 | 40 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.404 | -8.5 | 49 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.217 | -0.5 | 45 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 91.916 | -14.9 | 56 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.187 | -10.5 | 52 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 42.541 | -6.4 | 50 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 44.982 | -12.5 | 50 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 42.246 | -5.6 | 50 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 43.707 | -9.3 | 52 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.054 | -7.6 | 48 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.409 | 1.5 | 46 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.693 | -9.2 | 49 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 8.533 | 78.7# | 2 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.992 | -2.5 | 49 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 28.844 | 27.9# | 33 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.217 | -5.5 | 46 | 0.00 |
| 57 | | Fluorene | 40.000 | 40.056 | -0.1 | 48 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 33.585 | 16.0 | 37 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 43.474 | -8.7 | 51 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.248 | -3.1 | 48 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.464 | -3.7 | 47 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.607 | 1.0 | 46 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 39 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 8.960 | 77.6# | 4 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 48.783 | -22.0# | 48 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 47.150 | -17.9 | 46 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 43.677 | -9.2 | 43 | 0.00 |
| 68 | | Atrazine | 40.000 | 46.916 | -17.3 | 45 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 26.729 | 33.2# | 25 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 42.716 | -6.8 | 43 | 0.00 |
| 71 | | Anthracene | 40.000 | 42.854 | -7.1 | 43 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.904 | 0.2 | 40 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 49.990 | -25.0 | 49 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 35.683 | 10.8 | 36 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 33 | 0.00 |
| 76 | | Benzidine | 40.000 | 37.972 | 5.1 | 30 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.864 | -2.2 | 34 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 90.654 | -13.3 | 39 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 46.669 | -16.7 | 37 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.091 | -5.2 | 35 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.496 | -6.2 | 33 | 0.00 |
| 82 | | Chrysene | 40.000 | 42.130 | -5.3 | 35 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.636 | -14.1 | 37 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 50.561 | -26.4# | 40 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.520 | 8.7 | 31 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 35 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 44.299 | -10.7 | 37 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.904 | -4.8 | 38 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.905 | -4.8 | 36 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.142 | 9.6 | 32 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 33.397 | 16.5 | 30 | -0.01 |

(#) = Out of Range SPCC's out = 0 CCC's out = 3