# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110420\
Data File : BF122257.D
Acq On : 4 Nov 2020 11:38
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 04 13:03:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 30 10:16:54 2020
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 | 77 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.453 | 6.4 | 73 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.187 | 9.5 | 70 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.803 | 0.5 | 77 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.470 | -1.8 | 81 | 0.00 |
| 6 | | Aniline | 40.000 | 38.269 | 4.3 | 77 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.468 | 3.2 | 78 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.785 | 0.5 | 79 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.247 | 1.9 | 77 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.140 | 4.6 | 77 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.088 | 2.3 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.231 | 1.9 | 78 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.290 | 1.8 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.778 | 3.1 | 77 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.989 | -10.0 | 86 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.990 | 2.5 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.794 | 3.0 | 78 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.938 | 0.2 | 78 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.425 | -6.1 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.316 | -8.3 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.749 | -4.4 | 86 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.235 | -2.8 | 82 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.223 | -3.1 | 82 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.087 | -0.2 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.563 | -1.4 | 79 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.616 | 1.0 | 80 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.563 | 1.1 | 79 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.251 | -0.6 | 80 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.751 | 3.1 | 78 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.481 | 1.3 | 80 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.223 | 19.4 | 63 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 41.111 | -2.8 | 82 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.222 | -0.6 | 79 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.524 | 1.2 | 79 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.456 | -6.1 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.551 | 1.1 | 80 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.489 | 1.3 | 81 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.649 | 0.9 | 81 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 31.768 | 20.6 | 55 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.436 | -3.0 | 83 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.225 | 4.4 | 77 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 34.465 | 13.8 | 70 | 0.02 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.968 | 3.8 | 82 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.932 | 0.2 | 83 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.801 | 0.5 | 81 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 43.470 | -8.7 | 88 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.533 | 1.2 | 82 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.160 | 2.1 | 80 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.464 | -1.2 | 81 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.587 | 1.0 | 82 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 40.276 | -0.7 | 83 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.439 | -3.6 | 91 | 0.02 |
| 55 | | Dibenzofuran | 40.000 | 40.406 | -1.0 | 84 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 45.105 | -12.8 | 89 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 44.620 | -11.5 | 90 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.681 | -1.7 | 85 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.603 | -6.5 | 84 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.748 | -1.9 | 84 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.831 | -2.1 | 85 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.475 | 3.8 | 78 | 0.01 |
| 63 | | Azobenzene | 40.000 | 40.915 | -2.3 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.684 | 8.3 | 78 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.051 | 2.4 | 83 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.010 | -0.0 | 83 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.732 | -1.8 | 85 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.869 | 0.3 | 82 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.811 | -2.0 | 92 | 0.01 |
| 71 | | Phenanthrene | 40.000 | 39.676 | 0.8 | 84 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.918 | 0.2 | 85 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.789 | -2.0 | 86 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 39.927 | 0.2 | 83 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.713 | 0.7 | 84 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 77 | | Benzidine | 40.000 | 39.305 | 1.7 | 82 | 0.01 |
| 78 | | Pyrene | 40.000 | 41.076 | -2.7 | 84 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.748 | -2.2 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.640 | -4.1 | 83 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.796 | 0.5 | 82 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 38.534 | 3.7 | 77 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.635 | 0.9 | 80 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.744 | 0.6 | 79 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.114 | -0.3 | 80 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 77 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.420 | -1.1 | 79 | 0.04 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 41.824 | -4.6 | 77 | 0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 42.283 | -5.7 | 80 | 0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.941 | -4.9 | 79 | 0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.853 | -2.1 | 80 | 0.03 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 39.279 | 1.8 | 77 | 0.05 |

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