# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060120\
Data File : BF120461.D
Acq On : 1 Jun 2020 10:16
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 01 12:00:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 12:39:43 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 | 97 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.350 | -0.9 | 94 | 0.00 |
| 3 | | Pyridine | 40.000 | 39.598 | 1.0 | 92 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.109 | 2.2 | 91 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.918 | -2.4 | 95 | -0.01 |
| 6 | | Aniline | 40.000 | 40.355 | -0.9 | 93 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.231 | -2.8 | 94 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 41.719 | -4.3 | 95 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.378 | 4.1 | 91 | 0.00 |
| 10 | C | Phenol | 40.000 | 44.652 | -11.6 | 100 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.916 | -2.3 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.915 | -4.8 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.903 | -4.8 | 96 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.376 | -5.9 | 97 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.196 | -3.0 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.219 | -0.5 | 92 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.805 | -2.0 | 94 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 41.943 | -4.9 | 97 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.834 | 2.9 | 90 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.706 | 8.2 | 91 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.795 | 0.5 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.800 | -3.5 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.051 | -2.6 | 93 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.815 | 0.5 | 92 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.319 | -10.8 | 99 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.204 | -0.5 | 95 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.782 | -2.0 | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.218 | -5.5 | 96 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.873 | -4.7 | 96 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.633 | -4.1 | 95 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.042 | 14.9 | 95 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 40.537 | -1.3 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.250 | -5.6 | 97 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.005 | -2.5 | 94 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.765 | -1.9 | 93 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.852 | -4.6 | 95 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.338 | -3.3 | 94 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 94 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.198 | -5.5 | 97 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 45.526 | -13.8 | 102 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 86.919 | -8.6 | 98 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.083 | -2.7 | 94 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.508 | -6.3 | 98 | -0.01 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.837 | 5.2 | 96 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.775 | -4.4 | 95 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.264 | -3.2 | 94 | -0.01 |
| 48 | | 2-Nitroaniline | 40.000 | 40.814 | -2.0 | 92 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 41.172 | -2.9 | 94 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 40.939 | -2.3 | 95 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.509 | -3.8 | 94 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 41.535 | -3.8 | 95 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 41.114 | -2.8 | 93 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 44.588 | -11.5 | 110 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 41.094 | -2.7 | 94 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.871 | -4.7 | 94 | -0.02 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.955 | -4.9 | 95 | -0.01 |
| 58 | | Fluorene | 40.000 | 39.850 | 0.4 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.329 | -5.8 | 94 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 40.847 | -2.1 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.590 | 3.5 | 96 | -0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 41.787 | -4.5 | 94 | -0.02 |
| 63 | | Azobenzene | 40.000 | 39.989 | 0.0 | 91 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 92 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 47.712 | -19.3 | 107 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.377 | -3.4 | 93 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.346 | -5.9 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.240 | -5.6 | 95 | -0.01 |
| 69 | | Atrazine | 40.000 | 42.355 | -5.9 | 93 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 41.507 | -3.8 | 90 | -0.02 |
| 71 | | Phenanthrene | 40.000 | 41.121 | -2.8 | 93 | -0.01 |
| 72 | | Anthracene | 40.000 | 41.807 | -4.5 | 93 | -0.01 |
| 73 | | Carbazole | 40.000 | 41.267 | -3.2 | 91 | -0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.520 | -3.8 | 92 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 41.824 | -4.6 | 93 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | -0.01 |
| 77 | | Benzidine | 40.000 | 46.261 | -15.7 | 96 | -0.01 |
| 78 | | Pyrene | 40.000 | 41.245 | -3.1 | 92 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.766 | -2.2 | 92 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.063 | -5.2 | 92 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.649 | -4.1 | 91 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.773 | -9.4 | 93 | -0.02 |
| 83 | | Chrysene | 40.000 | 40.225 | -0.6 | 89 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.974 | -9.9 | 96 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.431 | -8.6 | 93 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 92 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.983 | 0.0 | 95 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.814 | -2.0 | 90 | -0.02 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.230 | -0.6 | 90 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.081 | -2.7 | 92 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.046 | -0.1 | 94 | -0.04 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.022 | -0.1 | 96 | -0.05 |

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