# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF090418\
Data File : BF108734.D
Acq On : 4 Sep 2018 12:17
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 04 13:01:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 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 | 75 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 35.280 | 11.8 | 68 | -0.04 |
| 3 | | Pyridine | 40.000 | 33.597 | 16.0 | 64 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 18.788 | 53.0# | 35 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 71.085 | 11.1 | 67 | -0.02 |
| 6 | | Aniline | 40.000 | 34.801 | 13.0 | 63 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.090 | 6.1 | 71 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 40.857 | -2.1 | 75 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 36.590 | 8.5 | 69 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.223 | 4.4 | 71 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.543 | -6.4 | 79 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.421 | 6.4 | 69 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.018 | -2.5 | 77 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 43.424 | -8.6 | 84 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 28.381 | 29.0# | 52 | 0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.054 | -0.1 | 75 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 37.015 | 7.5 | 66 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.725 | -1.8 | 77 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.593 | 3.5 | 70 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.572 | 11.1 | 62 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 77 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.192 | 4.5 | 74 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.172 | -4.0 | 80 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.101 | -0.3 | 75 | -0.01 |
| 25 | | Isophorone | 40.000 | 37.778 | 5.6 | 73 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.390 | 6.5 | 70 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.094 | 9.8 | 71 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.109 | 9.7 | 69 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.236 | 6.9 | 71 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.174 | 2.1 | 75 | -0.01 |
| 31 | | Naphthalene | 40.000 | 41.652 | -4.1 | 80 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 38.800 | 3.0 | 74 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 34.030 | 14.9 | 66 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.912 | 2.7 | 75 | 0.00 |
| 35 | | Caprolactam | 40.000 | 32.796 | 18.0 | 62 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.320 | 9.2 | 69 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.581 | 6.0 | 72 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 76 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.887 | 0.3 | 75 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.114 | 9.7 | 69 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 73.895 | 7.6 | 70 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 33.332 | 16.7 | 61 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.546 | -3.9 | 79 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 85.349 | -6.7 | 83 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.568 | 1.1 | 76 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.835 | 0.4 | 76 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 36.812 | 8.0 | 69 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 38.988 | 2.5 | 74 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 37.395 | 6.5 | 71 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.454 | 6.4 | 70 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 37.147 | 7.1 | 73 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 39.312 | 1.7 | 74 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 42.882 | -7.2 | 78 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.352 | 4.1 | 73 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 33.838 | 15.4 | 59 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.710 | 5.7 | 71 | -0.01 |
| 57 | | Fluorene | 40.000 | 37.971 | 5.1 | 73 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.993 | 0.0 | 75 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 36.753 | 8.1 | 70 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.915 | 2.7 | 75 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 37.253 | 6.9 | 71 | -0.02 |
| 62 | | Azobenzene | 40.000 | 38.684 | 3.3 | 75 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 74 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 34.253 | 14.4 | 63 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.801 | 3.0 | 73 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.961 | 0.1 | 74 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.991 | 2.5 | 74 | -0.01 |
| 68 | | Atrazine | 40.000 | 32.445 | 18.9 | 64 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 33.456 | 16.4 | 58 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 37.967 | 5.1 | 71 | -0.01 |
| 71 | | Anthracene | 40.000 | 41.146 | -2.9 | 78 | -0.01 |
| 72 | | Carbazole | 40.000 | 39.541 | 1.1 | 75 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.620 | 6.0 | 71 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 38.676 | 3.3 | 73 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 75 | -0.01 |
| 76 | | Benzidine | 40.000 | 44.567 | -11.4 | 82 | -0.01 |
| 77 | | Pyrene | 40.000 | 38.494 | 3.8 | 73 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 85.000 | -6.3 | 81 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.905 | 5.2 | 72 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.501 | 8.7 | 70 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.487 | -1.2 | 76 | -0.02 |
| 82 | | Chrysene | 40.000 | 40.361 | -0.9 | 77 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.833 | 5.4 | 72 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.211 | 4.5 | 73 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.622 | 3.4 | 76 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 79 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 34.756 | 13.1 | 66 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 43.289 | -8.2 | 89 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.343 | 1.6 | 78 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.123 | -0.3 | 78 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.121 | 2.2 | 74 | -0.03 |

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