# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111505.D
Acq On : 16 Dec 2018 13:34
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 17 06:39:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 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 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.511 | 3.7 | 80 | -0.02 |
| 3 | | Pyridine | 40.000 | 39.149 | 2.1 | 82 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.193 | 2.0 | 79 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.166 | -5.2 | 90 | 0.00 |
| 6 | | Aniline | 40.000 | 40.939 | -2.3 | 91 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.209 | -1.5 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.833 | -4.6 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.768 | 8.1 | 85 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.721 | -1.8 | 90 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.813 | 0.5 | 87 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.091 | -2.7 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.026 | -0.1 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.917 | 2.7 | 86 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.521 | -1.3 | 89 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.222 | -0.6 | 88 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.375 | -3.4 | 91 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.596 | 1.0 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.640 | 3.4 | 87 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.480 | -1.2 | 90 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 73 | 0.00 |
| 22 | | Acetophenone | 40.000 | 48.930 | -22.3 | 89 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.590 | -7.0 | 77 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.865 | -4.7 | 76 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.706 | -1.8 | 75 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.260 | -3.1 | 73 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.102 | -5.3 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.032 | -2.6 | 76 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.218 | -5.5 | 77 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.017 | -2.5 | 77 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.846 | -2.1 | 76 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.769 | 3.1 | 69 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.976 | -2.4 | 78 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.817 | -7.0 | 78 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.283 | -0.7 | 74 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.215 | -3.0 | 78 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.715 | 0.7 | 77 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.720 | 0.7 | 77 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 71 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.410 | -3.5 | 76 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 41.093 | -2.7 | 71 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.899 | -3.6 | 76 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.295 | -5.7 | 78 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.401 | -3.5 | 75 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 85.332 | -6.7 | 80 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.576 | -3.9 | 77 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.791 | -4.5 | 77 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.201 | -3.0 | 76 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.816 | -4.5 | 77 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 41.212 | -3.0 | 76 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.312 | -3.3 | 76 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.721 | -4.3 | 78 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 41.064 | -2.7 | 76 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 37.608 | 6.0 | 69 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 41.541 | -3.9 | 77 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.507 | -6.3 | 74 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.813 | -4.5 | 76 | 0.00 |
| 58 | | Fluorene | 40.000 | 42.215 | -5.5 | 79 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.155 | -2.9 | 76 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 41.553 | -3.9 | 77 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.275 | -5.7 | 78 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.701 | -1.8 | 74 | 0.00 |
| 63 | | Azobenzene | 40.000 | 40.400 | -1.0 | 75 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 73 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.440 | 3.9 | 71 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.127 | -2.8 | 78 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.861 | -2.2 | 77 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.988 | -2.5 | 77 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.941 | -2.4 | 75 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 42.809 | -7.0 | 78 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.636 | -4.1 | 79 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.213 | -3.0 | 77 | 0.00 |
| 73 | | Carbazole | 40.000 | 41.336 | -3.3 | 78 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.687 | -6.7 | 78 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.164 | -5.4 | 77 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 73 | 0.00 |
| 77 | | Benzidine | 40.000 | 48.120 | -20.3 | 96 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.715 | -4.3 | 77 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 85.494 | -6.9 | 80 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.550 | -3.9 | 77 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.319 | -3.3 | 78 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.632 | -1.6 | 77 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.653 | -1.6 | 78 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.995 | -7.5 | 80 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.360 | -0.9 | 76 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 32.766 | 18.1 | 72 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 67 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 44.840 | -12.1 | 73 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.210 | -3.0 | 73 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.242 | -3.1 | 72 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 38.504 | 3.7 | 71 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 38.926 | 2.7 | 74 | 0.00 |

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