# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112791.D
Acq On : 1 Mar 2019 11:11
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 01 16:25:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.550 | 11.1 | 80 | 0.01 |
| 3 | | Pyridine | 40.000 | 38.090 | 4.8 | 86 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.141 | 9.6 | 79 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.449 | 3.2 | 88 | 0.00 |
| 6 | | Aniline | 40.000 | 38.029 | 4.9 | 85 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.807 | 2.7 | 89 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 39.853 | 0.4 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.616 | 6.0 | 85 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.563 | 3.6 | 85 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.033 | 4.9 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.095 | -0.2 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.994 | 0.0 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.915 | 0.2 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.464 | 1.3 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.945 | 7.6 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.164 | 2.1 | 89 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 39.680 | 0.8 | 89 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.479 | 8.8 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.322 | 1.7 | 91 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.127 | -0.3 | 89 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.563 | -4.5 | 91 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.253 | -0.6 | 88 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.936 | 7.7 | 84 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 48.849 | -22.1# | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.606 | 3.5 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.861 | 5.3 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.493 | -3.7 | 92 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.585 | -4.0 | 94 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.133 | 2.2 | 89 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 47.582 | -19.0 | 105 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.247 | -0.6 | 90 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.375 | -8.4 | 97 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.814 | 3.0 | 85 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.450 | 1.4 | 88 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.885 | 0.3 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.318 | 1.7 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 90 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.105 | -7.8 | 97 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.334 | -10.8 | 97 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 90.102 | -12.6 | 99 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.740 | -6.9 | 94 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.812 | -7.0 | 94 | 0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.294 | -5.4 | 92 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.318 | -3.3 | 91 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.134 | -0.3 | 92 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 43.987 | -10.0 | 92 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.313 | 1.7 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.758 | 0.6 | 90 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.478 | -8.7 | 91 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.245 | -0.6 | 91 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.182 | -5.5 | 89 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 51.806 | -29.5# | 124 | 0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.038 | 2.4 | 90 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.587 | -6.5 | 88 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 46.020 | -15.1 | 95 | 0.01 |
| 58 | | Fluorene | 40.000 | 39.954 | 0.1 | 92 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.666 | -6.7 | 94 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.866 | 5.3 | 87 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.836 | -4.6 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.061 | -7.7 | 94 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.517 | 8.7 | 83 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 48.253 | -20.6 | 109 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.045 | -0.1 | 89 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.804 | -7.0 | 95 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 43.212 | -8.0 | 96 | 0.01 |
| 69 | | Atrazine | 40.000 | 40.739 | -1.8 | 91 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 44.525 | -11.3 | 94 | 0.01 |
| 71 | | Phenanthrene | 40.000 | 41.139 | -2.8 | 89 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.558 | 1.1 | 89 | 0.00 |
| 73 | | Carbazole | 40.000 | 38.307 | 4.2 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.496 | 3.8 | 87 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.680 | 0.8 | 86 | 0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 77 | | Benzidine | 40.000 | 36.661 | 8.3 | 73 | 0.00 |
| 78 | | Pyrene | 40.000 | 42.164 | -5.4 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.798 | -6.0 | 87 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 39.672 | 0.8 | 78 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.350 | 6.6 | 75 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.578 | -1.4 | 79 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.373 | 4.1 | 78 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.610 | 3.5 | 78 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.814 | 3.0 | 78 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.553 | -13.9 | 98 | 0.04 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 81 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 41.349 | -3.4 | 78 | 0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 36.306 | 9.2 | 78 | 0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.368 | -0.9 | 81 | 0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 46.680 | -16.7 | 98 | 0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 47.699 | -19.2 | 100 | 0.03 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1