# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082418\
Data File : BF108488.D
Acq On : 25 Aug 2018 3:28
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 25 04:24:28 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 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 | 45 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.734 | 8.2 | 41 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.957 | 5.1 | 42 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.181 | 12.0 | 39 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.253 | -2.8 | 46 | 0.00 |
| 6 | | Aniline | 40.000 | 39.773 | 0.6 | 45 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.881 | -1.1 | 45 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.754 | -1.9 | 45 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.135 | 4.7 | 42 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.997 | -10.0 | 50 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.498 | -1.2 | 45 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.511 | -3.8 | 47 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.896 | -2.2 | 45 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.474 | -3.7 | 47 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.003 | 5.0 | 42 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.818 | 8.0 | 41 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.665 | -1.7 | 44 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.290 | -0.7 | 44 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.552 | 3.6 | 43 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.012 | 2.5 | 43 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 44 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.348 | -0.9 | 44 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.159 | -3.9 | 45 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.392 | -1.0 | 43 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.925 | 2.7 | 43 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.217 | -0.5 | 43 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.175 | 2.1 | 43 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.288 | -0.7 | 44 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.851 | 0.4 | 43 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.374 | -0.9 | 45 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.468 | -3.7 | 46 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 21.471 | 46.3# | 21 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.066 | 2.3 | 43 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.918 | -7.3 | 47 | 0.00 |
| 35 | | Caprolactam | 40.000 | 35.064 | 12.3 | 37 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.097 | 7.3 | 40 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.072 | -0.2 | 44 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 40 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.140 | -10.4 | 44 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 12.308 | 69.2# | 11 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 69.948 | 12.6 | 33 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.102 | -0.3 | 38 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.589 | 6.0 | 35 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 92.081 | -15.1 | 47 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.525 | -11.3 | 44 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 43.045 | -7.6 | 43 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 43.137 | -7.8 | 40 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 42.968 | -7.4 | 43 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 43.178 | -7.9 | 43 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.227 | -5.6 | 40 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.802 | 0.5 | 40 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.303 | -0.8 | 38 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 10.540 | 73.7# | 4 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 41.804 | -4.5 | 42 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 24.125 | 39.7# | 23 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.161 | -2.9 | 38 | 0.00 |
| 57 | | Fluorene | 40.000 | 40.754 | -1.9 | 41 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 31.572 | 21.1 | 29 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 42.208 | -5.5 | 42 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.154 | -2.9 | 41 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 37.313 | 6.7 | 35 | 0.00 |
| 62 | | Azobenzene | 40.000 | 39.536 | 1.2 | 39 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 34 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 12.531 | 68.7# | 7 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 46.665 | -16.7 | 40 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 46.333 | -15.8 | 39 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 43.323 | -8.3 | 37 | 0.00 |
| 68 | | Atrazine | 40.000 | 43.929 | -9.8 | 37 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 32.010 | 20.0 | 26 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 42.490 | -6.2 | 37 | 0.00 |
| 71 | | Anthracene | 40.000 | 42.227 | -5.6 | 36 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.293 | 4.3 | 33 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 46.695 | -16.7 | 39 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 36.435 | 8.9 | 31 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 29 | 0.00 |
| 76 | | Benzidine | 40.000 | 26.591 | 33.5# | 18 | 0.00 |
| 77 | | Pyrene | 40.000 | 42.164 | -5.4 | 31 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 91.080 | -13.8 | 34 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.268 | -13.2 | 30 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.947 | -4.9 | 30 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.633 | 0.9 | 27 | -0.01 |
| 82 | | Chrysene | 40.000 | 42.755 | -6.9 | 31 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.085 | -15.2 | 32 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 50.814 | -27.0# | 34 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 46.061 | -15.2 | 34 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 36 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.585 | 1.0 | 34 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.975 | 0.1 | 37 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.867 | -2.2 | 36 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.144 | 2.1 | 35 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.000 | 10.0 | 33 | -0.02 |

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