# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF102918\
Data File : BF110266.D
Acq On : 29 Oct 2018 17:03
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 17:31:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 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 | 66 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.959 | 5.1 | 64 | 0.02 |
| 3 | | Pyridine | 40.000 | 37.514 | 6.2 | 60 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.249 | 1.9 | 63 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.770 | 0.3 | 66 | 0.00 |
| 6 | | Aniline | 40.000 | 39.030 | 2.4 | 64 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.660 | 2.9 | 65 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.034 | -0.1 | 66 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.897 | 7.8 | 60 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.878 | 0.3 | 66 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.419 | 4.0 | 64 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.166 | -0.4 | 67 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.325 | 1.7 | 66 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.705 | 0.7 | 66 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.240 | -0.6 | 65 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.706 | 5.7 | 62 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.267 | 1.8 | 65 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.611 | 1.0 | 66 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.865 | 2.8 | 65 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.672 | 0.8 | 65 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.717 | 0.7 | 66 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.560 | -0.7 | 65 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.357 | -0.9 | 65 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.368 | 4.1 | 62 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.272 | -8.2 | 67 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.638 | 3.4 | 63 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.487 | 3.8 | 64 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.528 | -1.3 | 65 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.570 | -1.4 | 66 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.774 | 0.6 | 66 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 29.947 | 25.1# | 47 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.198 | 2.0 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.407 | -3.5 | 69 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.039 | 2.4 | 62 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.601 | 1.0 | 64 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.755 | 0.6 | 66 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.563 | 1.1 | 65 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.383 | -1.0 | 66 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 35.227 | 11.9 | 54 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 80.366 | -0.5 | 65 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.223 | -0.6 | 64 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.542 | -1.4 | 65 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 83.287 | -4.1 | 68 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.564 | 1.1 | 66 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.775 | 0.6 | 65 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 39.483 | 1.3 | 63 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.610 | 1.0 | 65 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.970 | 0.1 | 66 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.655 | -1.6 | 63 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.422 | 6.4 | 62 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.990 | 0.0 | 63 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.769 | 3.1 | 65 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.276 | 1.8 | 64 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 39.786 | 0.5 | 60 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.781 | -4.5 | 65 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.214 | 2.0 | 65 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.112 | -0.3 | 64 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.141 | -0.4 | 66 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.380 | 1.5 | 65 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.041 | -0.1 | 64 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.123 | 2.2 | 64 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 65 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.682 | -1.7 | 64 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.710 | 0.7 | 65 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.201 | 2.0 | 64 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.804 | 0.5 | 65 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.559 | 1.1 | 64 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.954 | -4.9 | 62 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.765 | 3.1 | 65 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.106 | 2.2 | 65 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.211 | 2.0 | 65 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.759 | -1.9 | 66 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.243 | 1.9 | 65 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 63 | 0.00 |
| 77 | | Benzidine | 40.000 | -20.000 | 150.0# | 76 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.971 | -2.4 | 65 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.182 | -5.2 | 68 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.178 | -5.4 | 65 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.765 | 0.6 | 62 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.455 | 1.4 | 61 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.642 | 0.9 | 63 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.302 | -0.8 | 62 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.343 | 1.6 | 61 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.378 | 9.1 | 63 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 60 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.845 | -2.1 | 60 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.792 | -2.0 | 61 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.430 | -1.1 | 61 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.076 | -0.2 | 62 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.187 | -0.5 | 62 | 0.00 |

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