# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100618.D
Acq On : 16 Nov 2017 9:25
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 16 12:14:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 16 12:15:03 2017
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 | 64 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.032 | 4.9 | 61 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.598 | 6.0 | 59 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.785 | 10.5 | 56 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.381 | 3.3 | 63 | 0.00 |
| 6 | | Aniline | 40.000 | 37.074 | 7.3 | 59 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.578 | 3.0 | 63 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.987 | 0.0 | 65 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.681 | 13.3 | 56 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.397 | 4.0 | 63 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.910 | 5.2 | 61 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.899 | 0.3 | 64 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.653 | 0.9 | 64 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.763 | 0.6 | 65 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.954 | 2.6 | 61 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 31.963 | 20.1 | 51 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.944 | 0.1 | 64 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.628 | -1.6 | 64 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.754 | 8.1 | 60 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.553 | 3.6 | 62 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 61 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.472 | 3.8 | 61 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 90.972 | -13.7 | 67 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 44.398 | -11.0 | 63 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.444 | 3.9 | 59 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 51.049 | -27.6# | 81 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.208 | -3.0 | 62 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.292 | 1.8 | 61 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.870 | -7.2 | 63 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.788 | -4.5 | 64 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.302 | -0.8 | 63 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.937 | 7.7 | 59 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.020 | -2.6 | 62 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.269 | -3.2 | 63 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.844 | 0.4 | 61 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.512 | -1.3 | 60 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.958 | 0.1 | 62 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 58 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.989 | -7.5 | 63 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 47.113 | -17.8 | 64 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 91.601 | -14.5 | 64 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 44.156 | -10.4 | 62 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 45.523 | -13.8 | 65 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.572 | -3.2 | 62 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.647 | -4.1 | 63 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 42.347 | -5.9 | 62 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 46.282 | -15.7 | 67 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 41.217 | -3.0 | 61 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 41.263 | -3.2 | 62 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 46.483 | -16.2 | 65 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 42.986 | -7.5 | 64 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 45.617 | -14.0 | 64 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 61.690 | -54.2# | 116 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 41.247 | -3.1 | 61 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 45.161 | -12.9 | 63 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 49.723 | -24.3 | 68 | 0.00 |
| 57 | | Fluorene | 40.000 | 42.616 | -6.5 | 62 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.006 | -10.0 | 62 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.387 | -1.0 | 60 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 43.113 | -7.8 | 63 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 48.134 | -20.3 | 67 | 0.00 |
| 62 | | Azobenzene | 40.000 | 38.938 | 2.7 | 58 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 60 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 54.647 | -36.6# | 91 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.568 | -1.4 | 61 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.306 | -5.8 | 63 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 42.808 | -7.0 | 64 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.845 | -2.1 | 60 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 42.179 | -5.4 | 62 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.164 | -0.4 | 63 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.497 | -1.2 | 63 | 0.00 |
| 72 | | Carbazole | 40.000 | 40.431 | -1.1 | 62 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.728 | -6.8 | 65 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 40.451 | -1.1 | 63 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 60 | 0.00 |
| 76 | | Benzidine | 40.000 | 47.997 | -20.0 | 67 | 0.00 |
| 77 | | Pyrene | 40.000 | 41.610 | -4.0 | 62 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 79.860 | 0.2 | 63 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.328 | -13.3 | 66 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.930 | -4.8 | 63 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.948 | -7.4 | 61 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.933 | -2.3 | 62 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 47.167 | -17.9 | 67 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.691 | -9.2 | 62 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.022 | 12.4 | 54 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 53 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 42.717 | -6.8 | 57 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 44.616 | -11.5 | 56 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.825 | -7.1 | 55 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.399 | -1.0 | 54 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.361 | -3.4 | 56 | 0.00 |

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