# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\Data\BF072216\
Data File : BF089218.D
Acq On : 23 Jul 2016 4:15
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 23 05:36:06 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
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 | 90 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 41.015 | -2.5 | 93 | -0.05 |
| 3 | | Pyridine | 40.000 | 37.498 | 6.3 | 87 | -0.06 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.157 | 14.6 | 77 | -0.06 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.632 | 5.5 | 87 | -0.03 |
| 6 | | Aniline | 40.000 | 36.025 | 9.9 | 85 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 77.049 | 3.7 | 90 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 40.501 | -1.3 | 96 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 32.936 | 17.7 | 79 | -0.02 |
| 10 | C | Phenol | 40.000 | 39.698 | 0.8 | 89 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.677 | -1.7 | 92 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.699 | 8.3 | 89 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.814 | 0.5 | 96 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.709 | -4.3 | 93 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 34.775 | 13.1 | 77 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.876 | -2.2 | 94 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 36.335 | 9.2 | 83 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.677 | 0.8 | 95 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.356 | 4.1 | 85 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.360 | 6.6 | 84 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 90 | -0.01 |
| 22 | | Acetophenone | 40.000 | 40.384 | -1.0 | 90 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.036 | -0.0 | 93 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 40.098 | -0.2 | 87 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.325 | 1.7 | 90 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.471 | 6.3 | 88 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.742 | 8.1 | 88 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.202 | -3.0 | 87 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.394 | -3.5 | 94 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.296 | -0.7 | 91 | -0.02 |
| 31 | | Naphthalene | 40.000 | 36.790 | 8.0 | 88 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 36.587 | 8.5 | 79 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.071 | 2.3 | 89 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.563 | 1.1 | 89 | -0.02 |
| 35 | | Caprolactam | 40.000 | 39.472 | 1.3 | 90 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.801 | -2.0 | 95 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.706 | 0.7 | 89 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 89 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.703 | 3.2 | 93 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 34.566 | 13.6 | 78 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.732 | 4.1 | 89 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 36.368 | 9.1 | 79 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.325 | 1.7 | 86 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.702 | -4.6 | 89 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.825 | 2.9 | 95 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.012 | 2.5 | 92 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 37.935 | 5.2 | 90 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 39.756 | 0.6 | 93 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 40.731 | -1.8 | 88 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.473 | 1.3 | 83 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 38.341 | 4.1 | 89 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 38.937 | 2.7 | 82 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 29.305 | 26.7# | 60 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 39.343 | 1.6 | 90 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 26.267 | 34.3# | 54 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.672 | 3.3 | 86 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.789 | -2.0 | 84 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 44.380 | -11.0 | 95 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 38.583 | 3.5 | 90 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.452 | -1.1 | 94 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 39.774 | 0.6 | 90 | -0.02 |
| 62 | | Azobenzene | 40.000 | 39.463 | 1.3 | 95 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.198 | 2.0 | 81 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.930 | 2.7 | 91 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.612 | 1.0 | 87 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 38.555 | 3.6 | 90 | -0.02 |
| 68 | | Atrazine | 40.000 | 37.061 | 7.3 | 81 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 38.520 | 3.7 | 81 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 37.739 | 5.7 | 89 | -0.02 |
| 71 | | Anthracene | 40.000 | 41.568 | -3.9 | 90 | -0.02 |
| 72 | | Carbazole | 40.000 | 41.047 | -2.6 | 86 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.368 | -3.4 | 99 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 37.925 | 5.2 | 91 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 83 | -0.01 |
| 76 | | Benzidine | 40.000 | 38.226 | 4.4 | 79 | -0.02 |
| 77 | | Pyrene | 40.000 | 42.119 | -5.3 | 86 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 84.622 | -5.8 | 97 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.885 | -2.2 | 84 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.516 | 3.7 | 82 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.581 | -1.5 | 76 | -0.02 |
| 82 | | Chrysene | 40.000 | 42.608 | -6.5 | 85 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.319 | -5.8 | 91 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.871 | 0.3 | 85 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.553 | 6.1 | 78 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 73 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.062 | -2.7 | 67 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.065 | -2.7 | 91 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.806 | -2.0 | 78 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.944 | -4.9 | 79 | -0.05 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.765 | -4.4 | 79 | -0.05 |

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