# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
Data File : BF093130.D
Acq On : 24 Feb 2017 5:07
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 24 06:11:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 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 | 111 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.494 | 1.3 | 112 | -0.05 |
| 3 | | Pyridine | 40.000 | 44.068 | -10.2 | 121 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.693 | -6.7 | 118 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.168 | -5.2 | 112 | -0.01 |
| 6 | | Aniline | 40.000 | 41.593 | -4.0 | 119 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.958 | 2.6 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.438 | 1.4 | 109 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 34.294 | 14.3 | 93 | -0.01 |
| 10 | C | Phenol | 40.000 | 36.230 | 9.4 | 106 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.934 | 2.7 | 113 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.163 | -2.9 | 117 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.052 | -2.6 | 118 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.793 | 8.0 | 101 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 34.833 | 12.9 | 100 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.743 | 0.6 | 112 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.701 | -1.8 | 108 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 33.858 | 15.4 | 94 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.619 | 3.5 | 118 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.033 | -0.1 | 108 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 102 | -0.01 |
| 22 | | Acetophenone | 40.000 | 41.764 | -4.4 | 109 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 88.169 | -10.2 | 111 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.147 | -5.4 | 115 | -0.01 |
| 25 | | Isophorone | 40.000 | 41.875 | -4.7 | 109 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.301 | -8.3 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 44.133 | -10.3 | 107 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 46.562 | -16.4 | 119 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.528 | 1.2 | 105 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.534 | 1.2 | 103 | -0.01 |
| 31 | | Naphthalene | 40.000 | 38.053 | 4.9 | 100 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 39.062 | 2.3 | 96 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 43.979 | -9.9 | 110 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.738 | 5.7 | 96 | -0.01 |
| 35 | | Caprolactam | 40.000 | 38.271 | 4.3 | 91 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.458 | 1.4 | 99 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.500 | 3.8 | 98 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 90 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.352 | -8.4 | 99 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 5.109 | 87.2# | 11 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 66.988 | 16.3 | 69 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.929 | -2.3 | 87 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.625 | -4.1 | 97 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 81.606 | -2.0 | 87 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 43.343 | -8.4 | 94 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.906 | -4.8 | 89 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 46.777 | -16.9 | 112 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 37.629 | 5.9 | 91 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 45.545 | -13.9 | 102 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.047 | 2.4 | 85 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 35.145 | 12.1 | 83 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 44.592 | -11.5 | 94 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 10.015 | 75.0# | 14 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.410 | 9.0 | 88 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 35.438 | 11.4 | 80 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 34.814 | 13.0 | 70 | -0.01 |
| 57 | | Fluorene | 40.000 | 38.905 | 2.7 | 90 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.253 | -0.6 | 81 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 41.132 | -2.8 | 90 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.303 | 6.7 | 86 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 40.885 | -2.2 | 93 | -0.01 |
| 62 | | Azobenzene | 40.000 | 40.363 | -0.9 | 91 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 77 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 12.128 | 69.7# | 20 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 48.906 | -22.3# | 94 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 43.826 | -9.6 | 87 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 41.419 | -3.5 | 82 | -0.01 |
| 68 | | Atrazine | 40.000 | 40.519 | -1.3 | 83 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 42.848 | -7.1 | 86 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 39.506 | 1.2 | 76 | -0.01 |
| 71 | | Anthracene | 40.000 | 39.903 | 0.2 | 80 | -0.02 |
| 72 | | Carbazole | 40.000 | 37.630 | 5.9 | 69 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 46.300 | -15.7 | 90 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 38.025 | 4.9 | 72 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 81 | -0.01 |
| 76 | | Benzidine | 40.000 | 41.779 | -4.4 | 86 | -0.01 |
| 77 | | Pyrene | 40.000 | 37.362 | 6.6 | 72 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 69.091 | 13.6 | 73 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.730 | -1.8 | 83 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.592 | 1.0 | 80 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 42.342 | -5.9 | 84 | -0.02 |
| 82 | | Chrysene | 40.000 | 43.130 | -7.8 | 81 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.156 | -2.9 | 81 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 47.525 | -18.8 | 92 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.569 | -6.4 | 91 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 43.602 | -9.0 | 92 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.399 | 9.0 | 88 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.399 | -1.0 | 90 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.613 | 1.0 | 93 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.308 | 6.7 | 89 | -0.03 |

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