# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051217\
Data File : BF095122.D
Acq On : 12 May 2017 20:39
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 13 01:24:18 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 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 | -0.04 |
| 2 | | 1,4-Dioxane | 40.000 | 40.331 | -0.8 | 118 | -0.08 |
| 3 | | Pyridine | 40.000 | 39.664 | 0.8 | 113 | -0.07 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.130 | 7.2 | 107 | -0.07 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.491 | -4.4 | 117 | -0.04 |
| 6 | | Aniline | 40.000 | 42.662 | -6.7 | 114 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 82.222 | -2.8 | 115 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 42.312 | -5.8 | 119 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 35.931 | 10.2 | 98 | -0.02 |
| 10 | C | Phenol | 40.000 | 45.236 | -13.1 | 126 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.392 | -1.0 | 112 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.339 | -0.8 | 121 | -0.04 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.285 | -3.2 | 115 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.759 | 0.6 | 112 | -0.04 |
| 15 | | Benzyl Alcohol | 40.000 | 45.971 | -14.9 | 123 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.690 | 0.8 | 114 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 43.175 | -7.9 | 125 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.511 | 1.2 | 109 | -0.04 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.336 | -3.3 | 118 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.289 | -3.2 | 116 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 116 | -0.04 |
| 22 | | Acetophenone | 40.000 | 39.935 | 0.2 | 118 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.547 | -0.7 | 116 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 40.452 | -1.1 | 121 | -0.02 |
| 25 | | Isophorone | 40.000 | 41.006 | -2.5 | 120 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.056 | -2.6 | 117 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.832 | -2.1 | 123 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.548 | 1.1 | 116 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.921 | -4.8 | 127 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.737 | 0.7 | 119 | -0.03 |
| 31 | | Naphthalene | 40.000 | 39.152 | 2.1 | 117 | -0.04 |
| 32 | | Benzoic acid | 40.000 | 25.084 | 37.3# | 73 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 43.478 | -8.7 | 127 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.079 | 2.3 | 117 | -0.04 |
| 35 | | Caprolactam | 40.000 | 39.869 | 0.3 | 112 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.448 | 3.9 | 113 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.399 | 6.5 | 111 | -0.03 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 128 | -0.04 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.587 | 6.0 | 114 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.627 | 8.4 | 113 | -0.04 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 79.120 | 1.1 | 119 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.967 | 2.6 | 119 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.324 | 9.2 | 110 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.334 | 9.6 | 113 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.493 | 3.8 | 117 | -0.04 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.259 | 4.4 | 120 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 41.547 | -3.9 | 130 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 38.462 | 3.8 | 120 | -0.03 |
| 49 | | Dimethylphthalate | 40.000 | 38.757 | 3.1 | 120 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.759 | -1.9 | 125 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 36.204 | 9.5 | 113 | -0.04 |
| 52 | | 3-Nitroaniline | 40.000 | 43.176 | -7.9 | 132 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 14.090 | 64.8# | 30 | 0.02 |
| 54 | | Dibenzofuran | 40.000 | 41.000 | -2.5 | 130 | -0.04 |
| 55 | P | 4-Nitrophenol | 40.000 | 29.777 | 25.6# | 87 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.802 | -9.5 | 133 | -0.01 |
| 57 | | Fluorene | 40.000 | 39.857 | 0.4 | 128 | -0.04 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.924 | -2.3 | 129 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 40.781 | -2.0 | 131 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.459 | -1.1 | 126 | -0.04 |
| 61 | | 4-Nitroaniline | 40.000 | 42.778 | -6.9 | 135 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.520 | -1.3 | 124 | -0.04 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 126 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 15.430 | 61.4# | 48 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.114 | 9.7 | 115 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.624 | 0.9 | 122 | -0.04 |
| 67 | | Hexachlorobenzene | 40.000 | 39.081 | 2.3 | 123 | -0.03 |
| 68 | | Atrazine | 40.000 | 38.942 | 2.6 | 129 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 24.379 | 39.1# | 77 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 40.117 | -0.3 | 130 | -0.03 |
| 71 | | Anthracene | 40.000 | 40.806 | -2.0 | 131 | -0.03 |
| 72 | | Carbazole | 40.000 | 39.875 | 0.3 | 129 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.948 | 7.6 | 116 | -0.04 |
| 74 | C | Fluoranthene | 40.000 | 37.290 | 6.8 | 118 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 129 | -0.02 |
| 76 | | Benzidine | 40.000 | 22.967 | 42.6# | 62 | -0.02 |
| 77 | | Pyrene | 40.000 | 37.774 | 5.6 | 120 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.580 | 9.3 | 117 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.225 | -5.6 | 133 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.023 | -0.1 | 128 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 36.750 | 8.1 | 113 | -0.03 |
| 82 | | Chrysene | 40.000 | 40.534 | -1.3 | 129 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.264 | -5.7 | 132 | -0.04 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.897 | 0.3 | 125 | -0.04 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.584 | -6.5 | 139 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 129 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.446 | 3.9 | 115 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.846 | 0.4 | 125 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.132 | 2.2 | 121 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 43.201 | -8.0 | 137 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 45.241 | -13.1 | 148 | -0.02 |

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