# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086778.D
Acq On : 7 May 2016 17:10
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 08 00:15:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 07 23:59:39 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 | 40.000 | 40.000 | 0.0 | 149 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 37.538 | 6.2 | 139 | -0.03 |
| 3 | | Pyridine | 40.000 | 37.425 | 6.4 | 127 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.838 | -9.6 | 159 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 72.728 | 9.1 | 129 | -0.02 |
| 6 | | Aniline | 40.000 | 35.717 | 10.7 | 131 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 71.766 | 10.3 | 132 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.981 | 2.5 | 143 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 38.182 | 4.5 | 162 | -0.02 |
| 10 | C | Phenol | 40.000 | 40.110 | -0.3 | 146 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.389 | 4.0 | 151 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.392 | -1.0 | 155 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.304 | 4.2 | 148 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.125 | 9.7 | 127 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 38.142 | 4.6 | 134 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.873 | 5.3 | 149 | -0.03 |
| 17 | | 2-Methylphenol | 40.000 | 37.479 | 6.3 | 144 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.965 | -2.4 | 151 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.617 | 11.0 | 145 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.005 | -2.5 | 150 | -0.01 |
| 21 | I | Naphthalene-d8 | 40.000 | 40.000 | 0.0 | 148 | -0.03 |
| 22 | | Acetophenone | 40.000 | 42.370 | -5.9 | 152 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.352 | 2.1 | 143 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 36.875 | 7.8 | 141 | -0.02 |
| 25 | | Isophorone | 40.000 | 40.013 | -0.0 | 149 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.771 | -6.9 | 155 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.926 | 7.7 | 140 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.714 | 3.2 | 153 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.305 | 1.7 | 147 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.104 | -0.3 | 146 | -0.03 |
| 31 | | Naphthalene | 40.000 | 38.160 | 4.6 | 149 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 66.753 | -66.9# | 285 | 0.05 |
| 33 | | 4-Chloroaniline | 40.000 | 37.168 | 7.1 | 137 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.825 | 0.4 | 147 | -0.03 |
| 35 | | Caprolactam | 40.000 | 41.163 | -2.9 | 151 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.169 | -2.9 | 146 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.077 | 9.8 | 129 | -0.03 |
| 38 | I | Acenaphthene-d10 | 40.000 | 40.000 | 0.0 | 141 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.667 | -6.7 | 153 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 47.424 | -18.6 | 188 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 73.667 | 7.9 | 122 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.493 | -1.2 | 144 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.081 | -5.2 | 141 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.696 | 10.4 | 126 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.457 | -1.1 | 132 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.191 | 2.0 | 136 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 36.044 | 9.9 | 133 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 37.527 | 6.2 | 124 | -0.03 |
| 49 | | Dimethylphthalate | 40.000 | 38.942 | 2.6 | 145 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.164 | -7.9 | 146 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 35.906 | 10.2 | 126 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 37.423 | 6.4 | 135 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 57.665 | -44.2# | 286 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 36.570 | 8.6 | 125 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 35.522 | 11.2 | 119 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.863 | 0.3 | 132 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.831 | -2.1 | 136 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.873 | -9.7 | 151 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 39.034 | 2.4 | 144 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 34.897 | 12.8 | 127 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 36.249 | 9.4 | 125 | -0.01 |
| 62 | | Azobenzene | 40.000 | 36.168 | 9.6 | 130 | -0.03 |
| 63 | I | Phenanthrene-d10 | 40.000 | 40.000 | 0.0 | 136 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 51.287 | -28.2# | 206 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.722 | 8.2 | 120 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 43.320 | -8.3 | 138 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 38.476 | 3.8 | 132 | -0.03 |
| 68 | | Atrazine | 40.000 | 41.885 | -4.7 | 147 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 50.530 | -26.3# | 191 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 38.356 | 4.1 | 136 | -0.03 |
| 71 | | Anthracene | 40.000 | 37.813 | 5.5 | 123 | -0.03 |
| 72 | | Carbazole | 40.000 | 35.837 | 10.4 | 116 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.637 | 8.4 | 128 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 40.119 | -0.3 | 129 | -0.03 |
| 75 | I | Chrysene-d12 | 40.000 | 40.000 | 0.0 | 129 | -0.03 |
| 76 | | Benzidine | 40.000 | 36.601 | 8.5 | 123 | -0.03 |
| 77 | | Pyrene | 40.000 | 44.745 | -11.9 | 128 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 87.144 | -8.9 | 130 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 47.405 | -18.5 | 143 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.776 | -4.4 | 132 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 46.896 | -17.2 | 119 | -0.03 |
| 82 | | Chrysene | 40.000 | 44.043 | -10.1 | 133 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 50.736 | -26.8# | 151 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 61.176 | -52.9# | 185 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.592 | -9.0 | 127 | -0.06 |
| 86 | I | Perylene-d12 | 40.000 | 40.000 | 0.0 | 149 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 48.898 | -22.2 | 172 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 31.304 | 21.7 | 128 | -0.03 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.056 | 2.4 | 146 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.386 | 9.0 | 127 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 34.181 | 14.5 | 119 | -0.07 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2