# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086815.D
Acq On : 8 May 2016 11:03
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 09 03:17:16 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 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 | 159 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 38.735 | 3.2 | 153 | -0.05 |
| 3 | | Pyridine | 40.000 | 43.204 | -8.0 | 157 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 47.650 | -19.1 | 184 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.995 | -7.5 | 162 | -0.01 |
| 6 | | Aniline | 40.000 | 37.633 | 5.9 | 148 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 74.722 | 6.6 | 147 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.505 | 6.2 | 146 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 44.899 | -12.2 | 203 | -0.02 |
| 10 | C | Phenol | 40.000 | 40.852 | -2.1 | 159 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 34.426 | 13.9 | 144 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.935 | -2.3 | 168 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.626 | 0.9 | 164 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 33.152 | 17.1 | 124 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 42.919 | -7.3 | 160 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.655 | 3.4 | 162 | -0.03 |
| 17 | | 2-Methylphenol | 40.000 | 36.710 | 8.2 | 150 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 37.749 | 5.6 | 148 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.116 | -0.3 | 174 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.900 | 5.3 | 148 | -0.01 |
| 21 | I | Naphthalene-d8 | 40.000 | 40.000 | 0.0 | 151 | -0.03 |
| 22 | | Acetophenone | 40.000 | 45.634 | -14.1 | 166 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.256 | 3.4 | 144 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 45.500 | -13.8 | 178 | -0.01 |
| 25 | | Isophorone | 40.000 | 40.470 | -1.2 | 153 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.877 | -4.7 | 154 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.879 | 0.3 | 153 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.011 | 5.0 | 153 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.565 | -1.4 | 155 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.628 | 3.4 | 143 | -0.03 |
| 31 | | Naphthalene | 40.000 | 36.528 | 8.7 | 145 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 53.015 | -32.5# | 222 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 36.068 | 9.8 | 136 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.969 | 2.6 | 147 | -0.03 |
| 35 | | Caprolactam | 40.000 | 45.026 | -12.6 | 168 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.520 | 3.7 | 139 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 34.385 | 14.0 | 126 | -0.03 |
| 38 | I | Acenaphthene-d10 | 40.000 | 40.000 | 0.0 | 134 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.503 | -11.3 | 151 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 18.813 | 53.0# | 55 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 69.698 | 12.9 | 110 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 44.538 | -11.3 | 150 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.801 | -7.0 | 136 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.607 | 4.2 | 128 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.106 | 4.7 | 118 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.675 | 3.3 | 128 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 42.805 | -7.0 | 150 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 37.281 | 6.8 | 117 | -0.03 |
| 49 | | Dimethylphthalate | 40.000 | 41.670 | -4.2 | 147 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 46.384 | -16.0 | 149 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 36.042 | 9.9 | 120 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 43.244 | -8.1 | 148 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 28.691 | 28.3# | 85 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 37.058 | 7.4 | 120 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.212 | 9.5 | 116 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.795 | 0.5 | 126 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.188 | -0.5 | 127 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.942 | -2.4 | 134 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 42.192 | -5.5 | 147 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 35.496 | 11.3 | 123 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 38.965 | 2.6 | 127 | -0.01 |
| 62 | | Azobenzene | 40.000 | 37.408 | 6.5 | 127 | -0.03 |
| 63 | I | Phenanthrene-d10 | 40.000 | 40.000 | 0.0 | 119 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 29.700 | 25.8# | 85 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.967 | -2.4 | 117 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 47.373 | -18.4 | 132 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 39.147 | 2.1 | 118 | -0.03 |
| 68 | | Atrazine | 40.000 | 46.272 | -15.7 | 142 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 42.592 | -6.5 | 137 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 39.178 | 2.1 | 121 | -0.03 |
| 71 | | Anthracene | 40.000 | 38.912 | 2.7 | 111 | -0.03 |
| 72 | | Carbazole | 40.000 | 35.184 | 12.0 | 100 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.892 | -2.2 | 125 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 37.395 | 6.5 | 105 | -0.03 |
| 75 | I | Chrysene-d12 | 40.000 | 40.000 | 0.0 | 127 | -0.02 |
| 76 | | Benzidine | 40.000 | 42.310 | -5.8 | 145 | -0.02 |
| 77 | | Pyrene | 40.000 | 37.710 | 5.7 | 106 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.877 | 6.4 | 110 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.523 | 1.2 | 117 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.199 | -0.5 | 125 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 47.628 | -19.1 | 119 | -0.03 |
| 82 | | Chrysene | 40.000 | 41.258 | -3.1 | 123 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.512 | -8.8 | 127 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 55.179 | -37.9# | 164 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.252 | -0.6 | 116 | -0.06 |
| 86 | I | Perylene-d12 | 40.000 | 40.000 | 0.0 | 150 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 43.826 | -9.6 | 156 | -0.03 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 34.357 | 14.1 | 141 | -0.03 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.187 | 2.0 | 148 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 33.108 | 17.2 | 117 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 30.184 | 24.5 | 106 | -0.07 |

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