# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090436.D
Acq On : 7 Oct 2016 2:08
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 07 03:06:18 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 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 | 120 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.593 | 11.0 | 107 | -0.03 |
| 3 | | Pyridine | 40.000 | 36.903 | 7.7 | 107 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 33.422 | 16.4 | 98 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 66.316 | 17.1 | 97 | -0.01 |
| 6 | | Aniline | 40.000 | 35.936 | 10.2 | 104 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 70.648 | 11.7 | 108 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.893 | 2.8 | 120 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.143 | -7.9 | 131 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.562 | 8.6 | 115 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 32.871 | 17.8 | 93 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.449 | 8.9 | 112 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 35.741 | 10.6 | 101 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.691 | 0.8 | 128 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.366 | 4.1 | 120 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 31.019 | 22.5 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.818 | 5.5 | 114 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.527 | 8.7 | 107 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 31.996 | 20.0 | 91 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 33.959 | 15.1 | 96 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.032 | 2.4 | 119 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 67.704 | 15.4 | 96 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.566 | -1.4 | 124 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.906 | 10.2 | 107 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.976 | 0.1 | 120 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.784 | 3.0 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 34.129 | 14.7 | 91 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.197 | -0.5 | 127 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.497 | 8.8 | 103 | -0.01 |
| 31 | | Naphthalene | 40.000 | 37.158 | 7.1 | 114 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 37.984 | 5.0 | 114 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 35.131 | 12.2 | 96 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.497 | -1.2 | 117 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.331 | 1.7 | 114 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 34.573 | 13.6 | 96 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.608 | 6.0 | 102 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 129 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.627 | 0.9 | 135 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 26.249 | 34.4# | 81 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.552 | -1.9 | 122 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 34.223 | 14.4 | 96 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.821 | 0.4 | 133 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 65.469 | 18.2 | 94 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.203 | 4.5 | 118 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 35.604 | 11.0 | 102 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 36.005 | 10.0 | 109 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 38.195 | 4.5 | 126 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 33.549 | 16.1 | 101 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 34.595 | 13.5 | 101 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 38.120 | 4.7 | 126 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 33.732 | 15.7 | 98 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 28.734 | 28.2# | 94 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 38.896 | 2.8 | 131 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 29.856 | 25.4# | 84 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.460 | 3.8 | 120 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.426 | 3.9 | 123 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.697 | -1.7 | 138 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.242 | 9.4 | 116 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.250 | 1.9 | 114 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 37.534 | 6.2 | 122 | 0.00 |
| 62 | | Azobenzene | 40.000 | 32.644 | 18.4 | 94 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 120 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 25.290 | 36.8# | 70 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 35.516 | 11.2 | 105 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.636 | -6.6 | 117 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 41.922 | -4.8 | 116 | -0.01 |
| 68 | | Atrazine | 40.000 | 42.537 | -6.3 | 125 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 35.003 | 12.5 | 110 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 34.770 | 13.1 | 102 | -0.01 |
| 71 | | Anthracene | 40.000 | 40.317 | -0.8 | 126 | 0.00 |
| 72 | | Carbazole | 40.000 | 36.421 | 8.9 | 100 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.739 | 5.7 | 104 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 35.369 | 11.6 | 117 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 100 | -0.01 |
| 76 | | Benzidine | 40.000 | 41.181 | -3.0 | 107 | 0.00 |
| 77 | | Pyrene | 40.000 | 44.144 | -10.4 | 117 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 79.763 | 0.3 | 102 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.153 | -12.9 | 117 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.876 | 5.3 | 96 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 35.748 | 10.6 | 101 | -0.01 |
| 82 | | Chrysene | 40.000 | 35.749 | 10.6 | 90 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.167 | -7.9 | 106 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.785 | 0.5 | 101 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 53.597 | -34.0# | 143 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 132 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.734 | 3.2 | 116 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 30.360 | 24.1 | 106 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.640 | 5.9 | 119 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 44.254 | -10.6 | 144 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.219 | -5.5 | 138 | -0.02 |

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