# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\
Data File : BF090769.D
Acq On : 22 Oct 2016 18:22
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 96 Sample Multiplier: 1

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

Quant Time: Oct 24 03:03:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 17:36:31 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 | 137 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.506 | 11.2 | 125 | 0.02 |
| 3 | | Pyridine | 40.000 | 39.569 | 1.1 | 126 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 33.690 | 15.8 | 113 | 0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.131 | -0.2 | 123 | 0.01 |
| 6 | | Aniline | 40.000 | 38.694 | 3.3 | 124 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.832 | 6.5 | 121 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.580 | 1.1 | 132 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.318 | 9.2 | 129 | 0.00 |
| 10 | C | Phenol | 40.000 | 34.125 | 14.7 | 108 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.674 | 3.3 | 130 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.100 | 2.2 | 136 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.628 | 0.9 | 131 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.057 | 9.9 | 130 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 35.564 | 11.1 | 111 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 29.875 | 25.3# | 102 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 38.610 | 3.5 | 132 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 35.339 | 11.7 | 125 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 30.578 | 23.6 | 112 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.256 | 9.4 | 114 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 134 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.705 | 5.7 | 124 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 71.948 | 10.1 | 117 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.866 | 2.8 | 125 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.239 | 9.4 | 126 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.540 | -3.8 | 137 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.088 | 4.8 | 128 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.823 | 2.9 | 135 | 0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.778 | -9.4 | 139 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.887 | -7.2 | 140 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.302 | 6.7 | 126 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.258 | 19.4 | 111 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 42.279 | -5.7 | 141 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.029 | -2.6 | 139 | -0.01 |
| 35 | | Caprolactam | 40.000 | 41.507 | -3.8 | 138 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.464 | 1.3 | 138 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.244 | -0.6 | 137 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 148 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.725 | -4.3 | 146 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.170 | 7.1 | 130 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 100.296 | -25.4# | 172 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.960 | -7.4 | 146 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.664 | -4.2 | 154 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.661 | 9.2 | 139 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.492 | 8.8 | 130 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.857 | 7.9 | 136 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 37.660 | 5.9 | 129 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 39.258 | 1.9 | 146 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 42.923 | -7.3 | 164 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.316 | -0.8 | 136 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 38.625 | 3.4 | 139 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.785 | -2.0 | 142 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 28.906 | 27.7# | 94 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.763 | -1.9 | 144 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 35.978 | 10.1 | 132 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.630 | -1.6 | 138 | 0.00 |
| 57 | | Fluorene | 40.000 | 40.399 | -1.0 | 145 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 46.499 | -16.2 | 155 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.431 | -3.6 | 154 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 44.795 | -12.0 | 147 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 39.383 | 1.5 | 146 | 0.00 |
| 62 | | Azobenzene | 40.000 | 36.322 | 9.2 | 126 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 156 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 32.269 | 19.3 | 127 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.399 | -1.0 | 152 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 46.358 | -15.9 | 171 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 44.723 | -11.8 | 177 | -0.01 |
| 68 | | Atrazine | 40.000 | 49.259 | -23.1 | 196 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 36.914 | 7.7 | 144 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 41.110 | -2.8 | 159 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.576 | 3.6 | 143 | 0.00 |
| 72 | | Carbazole | 40.000 | 42.678 | -6.7 | 157 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.277 | -8.2 | 151 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.152 | 4.6 | 148 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 143 | 0.00 |
| 76 | | Benzidine | 40.000 | 36.702 | 8.2 | 120 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.565 | 1.1 | 150 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.223 | -4.0 | 146 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.065 | -10.2 | 151 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.014 | 5.0 | 135 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.764 | 0.6 | 136 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.975 | -2.4 | 142 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.732 | -4.3 | 139 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 37.575 | 6.1 | 130 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.865 | 0.3 | 135 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 139 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 43.401 | -8.5 | 138 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.458 | 8.9 | 137 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.323 | -0.8 | 137 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.318 | -0.8 | 132 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.901 | 2.7 | 131 | 0.00 |

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