# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
Data File : BF087923.D
Acq On : 12 Jun 2016 2:25
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 12 05:59:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 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 | 92 | 0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 40.118 | -0.3 | 95 | 0.02 |
| 3 | | Pyridine | 40.000 | 38.357 | 4.1 | 86 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.953 | 12.6 | 81 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 72.974 | 8.8 | 85 | 0.00 |
| 6 | | Aniline | 40.000 | 40.713 | -1.8 | 94 | 0.01 |
| 7 | S | Phenol-d6 | 80.000 | 85.569 | -7.0 | 103 | 0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 38.071 | 4.8 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.405 | 11.5 | 87 | 0.01 |
| 10 | C | Phenol | 40.000 | 48.436 | -21.1# | 116 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.943 | -4.9 | 104 | 0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.618 | 3.5 | 89 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.359 | -0.9 | 98 | 0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.601 | 6.0 | 85 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.434 | 8.9 | 81 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.190 | -0.5 | 92 | 0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.030 | -0.1 | 90 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.448 | 3.9 | 88 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.185 | -10.5 | 111 | 0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.404 | 9.0 | 90 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 98 | 0.01 |
| 22 | | Acetophenone | 40.000 | 37.309 | 6.7 | 94 | 0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.534 | 5.6 | 91 | 0.01 |
| 24 | | Nitrobenzene | 40.000 | 42.909 | -7.3 | 114 | 0.01 |
| 25 | | Isophorone | 40.000 | 38.637 | 3.4 | 93 | 0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.428 | -6.1 | 90 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.835 | 5.4 | 90 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.721 | -4.3 | 99 | 0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.251 | -5.6 | 102 | 0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.765 | 8.1 | 93 | 0.01 |
| 31 | | Naphthalene | 40.000 | 35.842 | 10.4 | 92 | 0.01 |
| 32 | | Benzoic acid | 40.000 | 42.332 | -5.8 | 89 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.354 | -3.4 | 94 | 0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.100 | 2.2 | 92 | 0.01 |
| 35 | | Caprolactam | 40.000 | 39.571 | 1.1 | 88 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.571 | 1.1 | 99 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.970 | 0.1 | 93 | 0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 96 | 0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 35.263 | 11.8 | 94 | 0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 33.146 | 17.1 | 79 | 0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 71.116 | 11.1 | 84 | 0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.927 | 2.7 | 92 | 0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.837 | 7.9 | 92 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.092 | 4.9 | 94 | 0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.568 | 6.1 | 94 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.180 | 9.6 | 94 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 42.394 | -6.0 | 94 | 0.01 |
| 48 | | Acenaphthylene | 40.000 | 37.946 | 5.1 | 93 | 0.01 |
| 49 | | Dimethylphthalate | 40.000 | 34.601 | 13.5 | 92 | 0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 35.028 | 12.4 | 93 | 0.01 |
| 51 | C | Acenaphthene | 40.000 | 39.041 | 2.4 | 94 | 0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 41.388 | -3.5 | 96 | 0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 42.654 | -6.6 | 96 | 0.01 |
| 54 | | Dibenzofuran | 40.000 | 39.882 | 0.3 | 94 | 0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.017 | -5.0 | 89 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.755 | 10.6 | 93 | 0.00 |
| 57 | | Fluorene | 40.000 | 41.190 | -3.0 | 97 | 0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.576 | 1.1 | 90 | 0.01 |
| 59 | | Diethylphthalate | 40.000 | 36.184 | 9.5 | 91 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 34.082 | 14.8 | 90 | 0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 42.272 | -5.7 | 93 | 0.01 |
| 62 | | Azobenzene | 40.000 | 37.983 | 5.0 | 91 | 0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 94 | 0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.135 | -2.8 | 85 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.123 | -2.8 | 95 | 0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.718 | 0.7 | 90 | 0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 36.696 | 8.3 | 94 | 0.01 |
| 68 | | Atrazine | 40.000 | 40.939 | -2.3 | 88 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 42.346 | -5.9 | 88 | 0.01 |
| 70 | | Phenanthrene | 40.000 | 39.053 | 2.4 | 102 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.955 | -2.4 | 92 | 0.01 |
| 72 | | Carbazole | 40.000 | 39.893 | 0.3 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.126 | 7.2 | 87 | 0.01 |
| 74 | C | Fluoranthene | 40.000 | 33.259 | 16.9 | 77 | 0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | 0.01 |
| 76 | | Benzidine | 40.000 | 45.558 | -13.9 | 102 | 0.01 |
| 77 | | Pyrene | 40.000 | 35.429 | 11.4 | 80 | 0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 61.202 | 23.5 | 71 | 0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.511 | 1.2 | 85 | 0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 34.960 | 12.6 | 85 | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.541 | -3.9 | 87 | 0.01 |
| 82 | | Chrysene | 40.000 | 35.922 | 10.2 | 86 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 37.955 | 5.1 | 88 | 0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.037 | -5.1 | 95 | 0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.366 | 11.6 | 80 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 87 | 0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 34.290 | 14.3 | 70 | 0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 46.709 | -16.8 | 124 | 0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.155 | 2.1 | 84 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.475 | 8.8 | 79 | 0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.326 | 4.2 | 82 | 0.02 |

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