# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF010715\
Data File : BF076766.D
Acq On : 7 Jan 2015 15:39
Operator : IZ / TP
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 08 09:15:49 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 09:08:31 2015
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 | 121 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.677 | 0.8 | 120 | 0.00 |
| 3 | | Pyridine | 40.000 | 44.889 | -12.2 | 139 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 47.065 | -17.7 | 141 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.522 | -5.7 | 129 | 0.00 |
| 6 | | Aniline | 40.000 | 41.367 | -3.4 | 124 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 85.053 | -6.3 | 127 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.916 | -2.3 | 122 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.220 | 14.5 | 102 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.981 | 5.0 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.141 | -2.9 | 124 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.558 | -1.4 | 121 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.533 | -3.8 | 128 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.516 | -3.8 | 127 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.304 | -3.3 | 121 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.437 | 6.4 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.098 | -2.7 | 121 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.374 | -8.4 | 132 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.355 | -0.9 | 127 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.678 | -1.7 | 121 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.346 | -0.9 | 122 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 89.305 | -11.6 | 135 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.303 | -5.8 | 127 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.635 | -1.6 | 123 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.796 | -7.0 | 124 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.149 | -2.9 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.883 | 2.8 | 113 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.812 | -2.0 | 125 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.483 | -1.2 | 121 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.788 | -2.0 | 125 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 45.567 | -13.9 | 147 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.294 | -3.2 | 121 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.964 | -2.4 | 128 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.006 | 2.5 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.185 | -0.5 | 116 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.326 | -3.3 | 123 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.649 | -1.6 | 120 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 44.225 | -10.6 | 136 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 85.341 | -6.7 | 126 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.664 | -1.7 | 119 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.257 | 1.9 | 114 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.595 | -3.2 | 125 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.765 | -1.9 | 118 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 42.466 | -6.2 | 128 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 45.065 | -12.7 | 128 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 41.198 | -3.0 | 124 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.191 | -0.5 | 122 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.828 | -4.6 | 122 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.798 | -2.0 | 123 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.197 | -8.0 | 119 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 27.662 | 30.8# | 75 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 41.337 | -3.3 | 124 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.903 | 5.2 | 122 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.994 | -10.0 | 123 | 0.00 |
| 57 | | Fluorene | 40.000 | 42.212 | -5.5 | 127 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.108 | 2.2 | 113 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.476 | -1.2 | 122 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.615 | -1.5 | 123 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 40.804 | -2.0 | 112 | 0.00 |
| 62 | | Azobenzene | 40.000 | 43.207 | -8.0 | 132 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 35.880 | 10.3 | 108 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.620 | -1.5 | 120 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 43.749 | -9.4 | 128 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 41.433 | -3.6 | 123 | 0.00 |
| 68 | | Atrazine | 40.000 | 45.020 | -12.6 | 129 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 30.470 | 23.8# | 89 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.524 | 1.2 | 115 | 0.00 |
| 71 | | Anthracene | 40.000 | 41.362 | -3.4 | 125 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.035 | 2.4 | 113 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.251 | -0.6 | 118 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.884 | 0.3 | 120 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 76 | | Benzidine | 40.000 | 33.082 | 17.3 | 96 | 0.00 |
| 77 | | Pyrene | 40.000 | 37.323 | 6.7 | 115 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.488 | 9.4 | 111 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.072 | 2.3 | 117 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.434 | 1.4 | 121 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.186 | 4.5 | 111 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.590 | 1.0 | 120 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 34.388 | 14.0 | 103 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 34.916 | 12.7 | 106 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.751 | -4.4 | 133 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 132 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 35.899 | 10.3 | 117 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.574 | -1.4 | 128 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.742 | 0.6 | 128 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.632 | 0.9 | 130 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.166 | -2.9 | 134 | 0.00 |

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