# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG120815\
Data File : BG020008.D
Acq On : 8 Dec 2015 8:36
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Dec 09 03:54:57 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 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 | 111 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 40.911 | -2.3 | 114 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.030 | -5.1 | 116 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.205 | 7.0 | 98 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.493 | -6.9 | 119 | -0.01 |
| 6 | | Aniline | 40.000 | 41.190 | -3.0 | 112 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 84.777 | -6.0 | 118 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 41.832 | -4.6 | 115 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 36.415 | 9.0 | 102 | -0.02 |
| 10 | C | Phenol | 40.000 | 42.961 | -7.4 | 117 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.553 | -3.9 | 116 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.325 | -0.8 | 113 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.583 | -1.5 | 114 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.058 | -0.1 | 112 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 38.363 | 4.1 | 108 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.488 | -1.2 | 113 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 41.905 | -4.8 | 114 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 39.560 | 1.1 | 108 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.323 | 4.2 | 107 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.020 | -2.6 | 110 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 107 | -0.02 |
| 22 | | Acetophenone | 40.000 | 41.174 | -2.9 | 108 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 87.065 | -8.8 | 114 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 43.557 | -8.9 | 112 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.448 | 1.4 | 104 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 49.379 | -23.4# | 127 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.614 | -1.5 | 108 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.455 | -3.6 | 110 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.062 | -5.2 | 109 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.160 | -2.9 | 108 | -0.02 |
| 31 | | Naphthalene | 40.000 | 41.572 | -3.9 | 109 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 50.781 | -27.0# | 148 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.920 | -2.3 | 108 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.346 | 1.6 | 104 | -0.02 |
| 35 | | Caprolactam | 40.000 | 39.163 | 2.1 | 106 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.945 | 0.1 | 107 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.028 | -0.1 | 106 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 97 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.607 | -4.0 | 102 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.756 | 5.6 | 90 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 79.202 | 1.0 | 97 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.931 | -4.8 | 105 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.708 | -4.3 | 105 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.421 | -3.0 | 102 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.058 | -2.6 | 100 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.462 | -3.7 | 102 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 45.258 | -13.1 | 109 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 40.775 | -1.9 | 101 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 38.816 | 3.0 | 97 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 44.137 | -10.3 | 104 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 41.081 | -2.7 | 101 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 44.010 | -10.0 | 106 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 39.160 | 2.1 | 106 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 40.103 | -0.3 | 99 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.689 | -1.7 | 97 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.379 | -15.9 | 108 | -0.01 |
| 57 | | Fluorene | 40.000 | 38.917 | 2.7 | 97 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.988 | -2.5 | 98 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 37.099 | 7.3 | 94 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.102 | 4.7 | 94 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 41.525 | -3.8 | 99 | -0.02 |
| 62 | | Azobenzene | 40.000 | 38.430 | 3.9 | 95 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 89 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.281 | -10.7 | 105 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.070 | -5.2 | 94 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.928 | -2.3 | 91 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 41.777 | -4.4 | 94 | -0.02 |
| 68 | | Atrazine | 40.000 | 39.484 | 1.3 | 87 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 46.335 | -15.8 | 102 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 41.144 | -2.9 | 92 | -0.02 |
| 71 | | Anthracene | 40.000 | 41.534 | -3.8 | 93 | -0.02 |
| 72 | | Carbazole | 40.000 | 40.938 | -2.3 | 91 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.091 | -2.7 | 91 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 41.351 | -3.4 | 92 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 90 | -0.03 |
| 76 | | Benzidine | 40.000 | 37.656 | 5.9 | 81 | -0.02 |
| 77 | | Pyrene | 40.000 | 41.612 | -4.0 | 91 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.479 | -0.6 | 88 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.304 | -5.8 | 93 | -0.04 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.571 | -1.4 | 91 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.486 | 3.8 | 85 | -0.04 |
| 82 | | Chrysene | 40.000 | 40.620 | -1.5 | 90 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.879 | -4.7 | 94 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 44.053 | -10.1 | 96 | -0.07 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.637 | -6.6 | 95 | -0.10 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 91 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.069 | -0.2 | 92 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.019 | -0.0 | 93 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.103 | -2.8 | 95 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.824 | -2.1 | 95 | -0.09 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.879 | -2.2 | 94 | -0.10 |

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