# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051515\
Data File : BG017172.D
Acq On : 15 May 2015 12:47
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 16 00:14:45 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 16:12:13 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 | 127 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 43.751 | -9.4 | 141 | 0.00 |
| 3 | | Pyridine | 40.000 | 44.526 | -11.3 | 136 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.019 | 5.0 | 116 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.431 | -3.0 | 125 | 0.00 |
| 6 | | Aniline | 40.000 | 42.215 | -5.5 | 127 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 85.733 | -7.2 | 129 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.365 | -3.4 | 126 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.472 | -6.2 | 127 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.290 | -8.2 | 133 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 42.910 | -7.3 | 128 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.015 | 5.0 | 120 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.991 | 2.5 | 121 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.209 | 4.5 | 118 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.257 | -0.6 | 123 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.370 | -10.9 | 138 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.372 | -3.4 | 130 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.780 | 3.0 | 120 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.578 | -1.4 | 124 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.578 | -3.9 | 125 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.116 | -0.3 | 120 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.902 | -4.9 | 123 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 42.865 | -7.2 | 129 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.414 | -3.5 | 121 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.102 | -0.3 | 119 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.054 | -2.6 | 125 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 43.359 | -8.4 | 129 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.725 | -4.3 | 122 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.841 | 2.9 | 115 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.827 | -2.1 | 121 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 43.203 | -8.0 | 127 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.925 | -4.8 | 121 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.900 | 5.3 | 112 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.470 | -1.2 | 125 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.597 | -6.5 | 125 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.094 | -0.2 | 123 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.188 | -0.5 | 114 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.834 | 7.9 | 105 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 78.421 | 2.0 | 112 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.554 | -3.9 | 115 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.414 | -8.5 | 124 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.977 | -1.2 | 116 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.609 | -4.0 | 119 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.969 | -4.9 | 120 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 44.964 | -12.4 | 130 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 41.447 | -3.6 | 117 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.551 | 1.1 | 114 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.064 | -7.7 | 120 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 41.726 | -4.3 | 120 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.325 | -8.3 | 123 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 33.670 | 15.8 | 91 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 41.217 | -3.0 | 119 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.492 | -1.2 | 118 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.823 | -7.1 | 122 | 0.00 |
| 57 | | Fluorene | 40.000 | 40.747 | -1.9 | 115 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.061 | -2.7 | 115 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.718 | 0.7 | 116 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.755 | 0.6 | 112 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 44.053 | -10.1 | 124 | 0.00 |
| 62 | | Azobenzene | 40.000 | 42.536 | -6.3 | 122 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.944 | 2.6 | 108 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.902 | -2.3 | 117 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.190 | 2.0 | 113 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.026 | -0.1 | 115 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.002 | 2.5 | 110 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 36.342 | 9.1 | 102 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 41.163 | -2.9 | 117 | 0.00 |
| 71 | | Anthracene | 40.000 | 41.143 | -2.9 | 118 | 0.00 |
| 72 | | Carbazole | 40.000 | 41.978 | -4.9 | 120 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.629 | -6.6 | 123 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 40.580 | -1.4 | 117 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 76 | | Benzidine | 40.000 | 34.230 | 14.4 | 96 | 0.00 |
| 77 | | Pyrene | 40.000 | 41.525 | -3.8 | 119 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.788 | -2.2 | 117 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.961 | -4.9 | 120 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.538 | -1.3 | 115 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.903 | 2.7 | 112 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.999 | -2.5 | 118 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.141 | -2.9 | 116 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.814 | -4.5 | 120 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.962 | -2.4 | 116 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 116 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.753 | -1.9 | 118 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.649 | -1.6 | 114 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.433 | -1.1 | 116 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.341 | -0.9 | 116 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.657 | -1.6 | 116 | -0.01 |

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