# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062716\
Data File : BG022667.D
Acq On : 28 Jun 2016 7:18
Operator : UM/SJ
Sample : SSTDCCC040
Misc : LOO20-PPM
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 28 07:57:57 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 20:14:59 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 | 162 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 39.716 | 0.7 | 157 | -0.01 |
| 3 | | Pyridine | 40.000 | 45.743 | -14.4 | 180 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.958 | 12.6 | 137 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.341 | 4.6 | 154 | 0.00 |
| 6 | | Aniline | 40.000 | 41.751 | -4.4 | 165 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.279 | 0.9 | 159 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.926 | 2.7 | 161 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 49.876 | -24.7 | 198 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.741 | -1.9 | 162 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.160 | 7.1 | 142 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.641 | 5.9 | 151 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.901 | 5.2 | 156 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.570 | 3.6 | 159 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 42.714 | -6.8 | 160 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.150 | 4.6 | 153 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.002 | -0.0 | 166 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.582 | 3.5 | 152 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.218 | 2.0 | 157 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.666 | -1.7 | 166 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 163 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.174 | 2.1 | 157 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.298 | 3.4 | 155 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.133 | 4.7 | 157 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.518 | 3.7 | 158 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.252 | -5.6 | 174 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.860 | 7.9 | 157 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.381 | 1.5 | 165 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.414 | -6.0 | 170 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.429 | 1.4 | 162 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.191 | 4.5 | 156 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 42.769 | -6.9 | 179 | 0.09 |
| 33 | | 4-Chloroaniline | 40.000 | 42.816 | -7.0 | 164 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.942 | 2.6 | 156 | -0.01 |
| 35 | | Caprolactam | 40.000 | 48.595 | -21.5 | 196 | 0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.897 | -4.7 | 170 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.970 | 2.6 | 159 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 173 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.359 | 4.1 | 170 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 34.890 | 12.8 | 147 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.479 | -3.1 | 178 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.417 | -3.5 | 175 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.558 | -3.9 | 182 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.374 | 9.5 | 149 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.661 | 8.3 | 159 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.596 | 6.0 | 164 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 41.149 | -2.9 | 175 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.882 | 7.8 | 159 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 36.695 | 8.3 | 161 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.424 | -3.6 | 177 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 34.098 | 14.8 | 145 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.080 | -5.2 | 179 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 44.496 | -11.2 | 186 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.502 | 8.7 | 160 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.032 | -0.1 | 176 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.084 | -7.7 | 185 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.923 | 5.2 | 165 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.872 | -4.7 | 182 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.963 | 7.6 | 164 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.723 | 3.2 | 170 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.370 | -3.4 | 178 | 0.02 |
| 62 | | Azobenzene | 40.000 | 35.926 | 10.2 | 155 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 177 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.068 | -7.7 | 179 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.197 | 4.5 | 165 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.164 | 2.1 | 173 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.183 | 2.0 | 175 | 0.00 |
| 68 | | Atrazine | 40.000 | 40.333 | -0.8 | 176 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 40.481 | -1.2 | 178 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 35.857 | 10.4 | 158 | 0.00 |
| 71 | | Anthracene | 40.000 | 35.705 | 10.7 | 157 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.051 | 7.4 | 161 | 0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 36.152 | 9.6 | 151 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 35.591 | 11.0 | 152 | 0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 178 | 0.01 |
| 76 | | Benzidine | 40.000 | 60.087 | -50.2# | 274 | -0.02 |
| 77 | | Pyrene | 40.000 | 35.762 | 10.6 | 149 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 58.195 | 27.3# | 137 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.605 | 3.5 | 164 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.520 | 6.2 | 158 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.104 | 4.7 | 163 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.160 | 7.1 | 157 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.415 | 9.0 | 159 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.165 | 9.6 | 157 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.520 | 1.2 | 174 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 182 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.087 | 9.8 | 163 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.819 | 8.0 | 168 | 0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 36.650 | 8.4 | 166 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.670 | 5.8 | 175 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 35.991 | 10.0 | 168 | 0.02 |

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