# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG022818\
Data File : BG032907.D
Acq On : 1 Mar 2018 4:40
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Mar 01 05:13:08 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
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 | 114 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.201 | 4.5 | 109 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.660 | -1.6 | 112 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.239 | -5.6 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.187 | 1.0 | 110 | 0.00 |
| 6 | | Aniline | 40.000 | 37.751 | 5.6 | 108 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.218 | 1.0 | 111 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.518 | 1.2 | 111 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 34.089 | 14.8 | 100 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.834 | 0.4 | 113 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.047 | 4.9 | 108 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.403 | 6.5 | 106 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.493 | 6.3 | 106 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.453 | 6.4 | 107 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.670 | 3.3 | 110 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.474 | 3.8 | 110 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.137 | 2.2 | 111 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.254 | -0.6 | 114 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.226 | 4.4 | 110 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.955 | 0.1 | 114 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.767 | 5.6 | 110 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 89.547 | -11.9 | 145 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.453 | -8.6 | 134 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.610 | 6.0 | 111 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 54.272 | -35.7# | 191 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.980 | 5.1 | 113 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.993 | 5.0 | 111 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.914 | 0.2 | 117 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.321 | 6.7 | 109 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.686 | 5.8 | 111 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 47.955 | -19.9 | 164 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.943 | 5.1 | 111 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.571 | 8.6 | 107 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.970 | -2.4 | 116 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.671 | -1.7 | 117 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.809 | 5.5 | 111 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 122 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.810 | 8.0 | 113 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.838 | 2.9 | 117 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 79.440 | 0.7 | 119 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.696 | 0.8 | 121 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.465 | -1.2 | 122 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 73.196 | 8.5 | 112 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.131 | 7.2 | 114 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 36.732 | 8.2 | 112 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 48.197 | -20.5 | 172 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 37.119 | 7.2 | 113 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 36.528 | 8.7 | 111 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 47.392 | -18.5 | 164 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.803 | 5.5 | 115 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 44.830 | -12.1 | 151 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 54.778 | -36.9# | 192 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.879 | 7.8 | 113 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.588 | -1.5 | 132 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 53.039 | -32.6# | 193 | 0.00 |
| 57 | | Fluorene | 40.000 | 36.454 | 8.9 | 112 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.737 | -1.8 | 122 | -0.09 |
| 59 | | Diethylphthalate | 40.000 | 36.584 | 8.5 | 112 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.559 | 8.6 | 113 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.688 | -4.2 | 133 | 0.00 |
| 62 | | Azobenzene | 40.000 | 36.762 | 8.1 | 113 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 60.347 | -50.9# | 225 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.695 | 5.8 | 111 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 36.809 | 8.0 | 111 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 36.418 | 9.0 | 110 | 0.00 |
| 68 | | Atrazine | 40.000 | 36.088 | 9.8 | 106 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 39.683 | 0.8 | 117 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 37.048 | 7.4 | 110 | 0.00 |
| 71 | | Anthracene | 40.000 | 37.158 | 7.1 | 110 | 0.00 |
| 72 | | Carbazole | 40.000 | 36.333 | 9.2 | 108 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.294 | 6.8 | 109 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 36.696 | 8.3 | 109 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 118 | -0.01 |
| 76 | | Benzidine | 40.000 | 24.860 | 37.9# | 75 | 0.00 |
| 77 | | Pyrene | 40.000 | 36.576 | 8.6 | 109 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.297 | 9.6 | 108 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.424 | -3.6 | 117 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.617 | 6.0 | 111 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.318 | 6.7 | 107 | -0.01 |
| 82 | | Chrysene | 40.000 | 37.749 | 5.6 | 112 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.642 | -1.6 | 114 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.774 | -6.9 | 117 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.555 | 8.6 | 105 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 120 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.917 | 5.2 | 111 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.315 | 6.7 | 112 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.577 | 6.1 | 111 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.034 | 9.9 | 106 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.038 | 9.9 | 106 | -0.02 |

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