# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG050118\
Data File : BG034101.D
Acq On : 2 May 2018 5:24
Operator : SJ/JU
Sample : SSTDCCC040
Misc : 20PPM LOQ
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 02 08:03:55 2018
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 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 | 124 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.404 | 1.5 | 135 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.535 | -1.3 | 123 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.339 | 4.2 | 118 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.313 | 3.4 | 124 | 0.00 |
| 6 | | Aniline | 40.000 | 39.067 | 2.3 | 123 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.311 | 2.1 | 125 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.887 | 2.8 | 123 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.852 | 0.4 | 127 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.170 | 2.1 | 122 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.980 | 2.6 | 124 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.742 | 8.1 | 117 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.635 | 3.4 | 124 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.518 | 3.7 | 122 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.620 | 3.5 | 119 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.072 | 4.8 | 120 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.486 | -1.2 | 125 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 37.057 | 7.4 | 118 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.465 | 3.8 | 120 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.065 | 2.3 | 123 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 130 | 0.00 |
| 22 | | Acetophenone | 40.000 | 36.231 | 9.4 | 121 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.801 | 2.7 | 125 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.489 | 3.8 | 125 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.365 | 9.1 | 120 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.654 | 0.9 | 123 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.108 | 4.7 | 122 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.536 | 8.7 | 120 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 36.570 | 8.6 | 120 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.776 | 5.6 | 127 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.289 | 6.8 | 122 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.560 | -1.4 | 120 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.927 | 5.2 | 123 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.529 | 6.2 | 126 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.371 | 4.1 | 129 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.111 | 4.7 | 123 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.569 | 6.1 | 126 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 133 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.143 | 7.1 | 124 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.590 | 3.5 | 129 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.392 | 4.5 | 125 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.709 | 5.7 | 125 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.032 | 4.9 | 125 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.756 | 9.1 | 121 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.055 | 9.9 | 121 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.548 | 6.1 | 125 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 40.624 | -1.6 | 129 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 36.378 | 9.1 | 120 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 35.853 | 10.4 | 120 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.411 | -1.0 | 124 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.097 | 7.3 | 122 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 39.815 | 0.5 | 130 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 41.873 | -4.7 | 135 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.574 | 8.6 | 122 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 38.571 | 3.6 | 126 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.830 | -4.6 | 127 | 0.00 |
| 57 | | Fluorene | 40.000 | 35.381 | 11.5 | 119 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.189 | 2.0 | 127 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.484 | 8.8 | 120 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.956 | 7.6 | 124 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 38.284 | 4.3 | 126 | 0.00 |
| 62 | | Azobenzene | 40.000 | 35.917 | 10.2 | 120 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 135 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.542 | -3.9 | 140 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 35.957 | 10.1 | 118 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.056 | 7.4 | 122 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 36.136 | 9.7 | 121 | 0.00 |
| 68 | | Atrazine | 40.000 | 34.275 | 14.3 | 122 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 39.424 | 1.4 | 123 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 35.539 | 11.2 | 120 | 0.00 |
| 71 | | Anthracene | 40.000 | 35.787 | 10.5 | 121 | 0.00 |
| 72 | | Carbazole | 40.000 | 35.295 | 11.8 | 119 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 34.899 | 12.8 | 118 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 35.193 | 12.0 | 120 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 135 | 0.00 |
| 76 | | Benzidine | 40.000 | 41.519 | -3.8 | 138 | 0.00 |
| 77 | | Pyrene | 40.000 | 36.391 | 9.0 | 119 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 71.232 | 11.0 | 119 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 36.770 | 8.1 | 120 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 35.991 | 10.0 | 120 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 36.737 | 8.2 | 119 | 0.00 |
| 82 | | Chrysene | 40.000 | 35.645 | 10.9 | 120 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.705 | 10.7 | 115 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.383 | 9.0 | 118 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.000 | 7.5 | 119 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 132 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.548 | 8.6 | 120 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.102 | 9.7 | 120 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 36.698 | 8.3 | 120 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 36.240 | 9.4 | 120 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.981 | 7.5 | 121 | -0.04 |

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