# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG092618\
Data File : BG037000.D
Acq On : 27 Sep 2018 3:37
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 27 08:30:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 10:41:23 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 | 131 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 47.034 | -17.6 | 143 | 0.00 |
| 3 | | Pyridine | 40.000 | 44.960 | -12.4 | 139 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 48.405 | -21.0 | 154 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 93.044 | -16.3 | 147 | 0.00 |
| 6 | | Aniline | 40.000 | 40.214 | -0.5 | 129 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 88.591 | -10.7 | 140 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 44.781 | -12.0 | 141 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 40.742 | -1.9 | 130 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.965 | -9.9 | 139 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.222 | 1.9 | 132 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.526 | -3.8 | 132 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.832 | -2.1 | 132 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.209 | 2.0 | 129 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 41.111 | -2.8 | 131 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.658 | -4.1 | 133 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.876 | -2.2 | 132 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 42.733 | -6.8 | 136 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.045 | 4.9 | 122 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.777 | -4.4 | 133 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.245 | -0.6 | 127 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.814 | -6.0 | 130 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.103 | -2.8 | 127 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.213 | -3.0 | 128 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.575 | -16.4 | 140 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.770 | 0.6 | 121 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.747 | 0.6 | 122 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.251 | -10.6 | 132 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.312 | -0.8 | 124 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.435 | 1.4 | 123 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 35.961 | 10.1 | 115 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.439 | 1.4 | 122 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.572 | -1.4 | 125 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.396 | 1.5 | 119 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.918 | -9.8 | 129 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.232 | 1.9 | 123 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 119 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.066 | -2.7 | 121 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.381 | 11.5 | 100 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 81.192 | -1.5 | 117 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 44.599 | -11.5 | 128 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 44.271 | -10.7 | 125 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.556 | -0.7 | 119 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.554 | -1.4 | 121 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.338 | -0.8 | 121 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 44.693 | -11.7 | 127 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.542 | -1.4 | 120 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 38.828 | 2.9 | 115 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.563 | -1.4 | 119 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.692 | 0.8 | 118 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 41.195 | -3.0 | 119 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 21.887 | 45.3# | 55 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 39.543 | 1.1 | 117 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.169 | -0.4 | 114 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.398 | -1.0 | 118 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.703 | 0.7 | 119 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.066 | -5.2 | 119 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.522 | 3.7 | 115 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.351 | 1.6 | 116 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 39.215 | 2.0 | 114 | -0.01 |
| 62 | | Azobenzene | 40.000 | 42.007 | -5.0 | 124 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 115 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.380 | 9.0 | 104 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.085 | -2.7 | 117 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.587 | -1.5 | 115 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.923 | 0.2 | 113 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.370 | 1.6 | 110 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 38.948 | 2.6 | 107 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.205 | -0.5 | 115 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.695 | -1.7 | 116 | 0.00 |
| 72 | | Carbazole | 40.000 | 40.271 | -0.7 | 114 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.066 | -2.7 | 117 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 40.220 | -0.5 | 115 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 118 | 0.00 |
| 76 | | Benzidine | 40.000 | 40.146 | -0.4 | 120 | 0.00 |
| 77 | | Pyrene | 40.000 | 38.467 | 3.8 | 113 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 75.666 | 5.4 | 113 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.881 | -4.7 | 124 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.235 | 1.9 | 119 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.582 | 1.0 | 114 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.503 | 1.2 | 119 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.568 | -1.4 | 123 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.072 | -2.7 | 121 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.268 | -3.2 | 120 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 119 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.305 | -0.8 | 117 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.198 | 2.0 | 118 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.347 | -0.9 | 119 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.886 | -2.2 | 120 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.401 | -1.0 | 117 | -0.02 |

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