# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120618\
Data File : BG038392.D
Acq On : 6 Dec 2018 21:49
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 06 22:24:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 17:15:40 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 | 72 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.077 | 2.3 | 76 | 0.00 |
| 3 | | Pyridine | 40.000 | 51.362 | -28.4# | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 49.189 | -23.0 | 91 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.415 | -1.8 | 75 | 0.00 |
| 6 | | Aniline | 40.000 | 38.582 | 3.5 | 69 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.482 | 0.6 | 71 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.593 | 1.0 | 72 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.956 | 2.6 | 74 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.025 | -0.1 | 72 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.026 | 4.9 | 67 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.285 | 1.8 | 70 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.207 | 4.5 | 70 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.164 | 2.1 | 72 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.675 | 3.3 | 72 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.291 | 1.8 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.903 | 0.2 | 76 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.853 | 0.4 | 71 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.666 | 3.3 | 76 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.284 | 4.3 | 74 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.562 | 1.1 | 77 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.249 | 3.4 | 74 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.096 | 4.8 | 74 | 0.00 |
| 25 | | Isophorone | 40.000 | 37.762 | 5.6 | 54 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.093 | -2.7 | 67 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.785 | -7.0 | 72 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.844 | -2.1 | 74 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.587 | -9.0 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.408 | -1.0 | 80 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.613 | -1.5 | 80 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 37.454 | 6.4 | 69 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.484 | -6.2 | 81 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.696 | -1.7 | 78 | 0.00 |
| 35 | | Caprolactam | 40.000 | 42.804 | -7.0 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 44.915 | -12.3 | 85 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.402 | -6.0 | 83 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 42.762 | -6.9 | 83 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.754 | -1.9 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.059 | -0.1 | 77 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 86.604 | -8.3 | 86 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.664 | -4.2 | 82 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.296 | -3.2 | 83 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.004 | 1.2 | 82 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.058 | 2.4 | 82 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.380 | 1.5 | 83 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 41.378 | -3.4 | 84 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.279 | -0.7 | 82 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.457 | -1.1 | 83 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.650 | -4.1 | 84 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.323 | 1.7 | 83 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.340 | -5.9 | 85 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 37.115 | 7.2 | 74 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.043 | -0.1 | 83 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.945 | 2.6 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.197 | -5.5 | 86 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.422 | -1.1 | 83 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.844 | -4.6 | 83 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 39.550 | 1.1 | 83 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.103 | -2.8 | 85 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.642 | -4.1 | 84 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.864 | 0.3 | 82 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.037 | -0.1 | 84 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.393 | -1.0 | 84 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.393 | -3.5 | 86 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.774 | -1.9 | 85 | 0.00 |
| 69 | | Atrazine | 40.000 | 42.070 | -5.2 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 39.558 | 1.1 | 81 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.267 | -0.7 | 89 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.952 | -2.4 | 88 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.254 | -0.6 | 85 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.955 | -2.4 | 84 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.867 | 2.8 | 81 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 85 | 0.00 |
| 77 | | Benzidine | 40.000 | 34.973 | 12.6 | 73 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.744 | 5.6 | 84 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 77.955 | 2.6 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.796 | -2.0 | 86 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.706 | 0.7 | 83 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.512 | -1.3 | 82 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.062 | -0.2 | 83 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.597 | -1.5 | 83 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.248 | 4.4 | 76 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.053 | -2.6 | 83 | -0.01 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 85 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 38.603 | 3.5 | 84 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 37.771 | 5.6 | 83 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 38.798 | 3.0 | 72 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.599 | 1.0 | 82 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.969 | 0.1 | 89 | -0.02 |

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