# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
Data File : BG042666.D
Acq On : 1 Sep 2019 17:58
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 02 07:55:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
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 | 67 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 34.678 | 13.3 | 58 | 0.00 |
| 3 | | Pyridine | 40.000 | 34.941 | 12.6 | 57 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.069 | 4.8 | 65 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.057 | 6.2 | 63 | -0.01 |
| 6 | | Aniline | 40.000 | 36.108 | 9.7 | 61 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 74.799 | 6.5 | 62 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 38.192 | 4.5 | 64 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 36.954 | 7.6 | 74 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.417 | 6.5 | 62 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.125 | 9.7 | 60 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.521 | 3.7 | 65 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.838 | 2.9 | 65 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.328 | 1.7 | 67 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 39.848 | 0.4 | 67 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.909 | 12.7 | 59 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 38.211 | 4.5 | 65 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 37.790 | 5.5 | 64 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.392 | 6.5 | 63 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.717 | 3.2 | 66 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 69 | -0.01 |
| 22 | | Acetophenone | 40.000 | 39.320 | 1.7 | 67 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.049 | 1.2 | 66 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 37.812 | 5.5 | 64 | -0.01 |
| 25 | | Isophorone | 40.000 | 38.504 | 3.7 | 64 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.133 | 2.2 | 67 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.273 | -0.7 | 67 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.986 | 5.0 | 64 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.033 | -5.1 | 70 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.090 | -5.2 | 72 | -0.01 |
| 31 | | Naphthalene | 40.000 | 39.836 | 0.4 | 67 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 33.060 | 17.3 | 58 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 40.403 | -1.0 | 67 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.479 | -8.7 | 74 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.695 | 0.8 | 64 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.610 | -4.0 | 69 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.711 | -4.3 | 69 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.726 | -4.3 | 69 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 74 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.611 | -1.5 | 74 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.996 | 5.0 | 72 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 85.063 | -6.3 | 75 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.519 | 1.2 | 72 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.970 | 2.6 | 72 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 82.681 | -3.4 | 74 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.337 | 1.7 | 72 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.453 | 1.4 | 72 | -0.01 |
| 48 | | 2-Nitroaniline | 40.000 | 37.995 | 5.0 | 69 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.852 | 0.4 | 71 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.834 | -2.1 | 72 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.735 | -1.8 | 73 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.256 | 1.9 | 70 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.317 | 1.7 | 70 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.758 | 8.1 | 68 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 41.273 | -3.2 | 73 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 36.296 | 9.3 | 65 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.633 | -4.1 | 73 | 0.00 |
| 58 | | Fluorene | 40.000 | 41.388 | -3.5 | 73 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.859 | -4.6 | 75 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 41.161 | -2.9 | 72 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 41.747 | -4.4 | 74 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.487 | -1.2 | 71 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.680 | 5.8 | 67 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 76 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.395 | 9.0 | 66 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.774 | 0.6 | 73 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.981 | -2.5 | 76 | -0.01 |
| 68 | | Hexachlorobenzene | 40.000 | 40.784 | -2.0 | 75 | -0.01 |
| 69 | | Atrazine | 40.000 | 43.605 | -9.0 | 83 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 33.976 | 15.1 | 62 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 41.081 | -2.7 | 73 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.943 | -2.4 | 73 | -0.01 |
| 73 | | Carbazole | 40.000 | 40.308 | -0.8 | 72 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.465 | -1.2 | 71 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 43.173 | -7.9 | 76 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 77 | | Benzidine | 40.000 | 54.765 | -36.9# | 123 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.172 | -0.4 | 75 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 81.957 | -2.4 | 78 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.547 | 3.6 | 73 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 41.430 | -3.6 | 78 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.965 | -2.4 | 79 | -0.01 |
| 83 | | Chrysene | 40.000 | 41.229 | -3.1 | 77 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.019 | 2.5 | 74 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 39.130 | 2.2 | 74 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.710 | 0.7 | 76 | -0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 78 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.818 | -2.0 | 75 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.926 | -4.8 | 79 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.184 | -3.0 | 77 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.474 | -1.2 | 77 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.442 | 1.4 | 75 | -0.02 |

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