# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060419\
Data File : BG041057.D
Acq On : 4 Jun 2019 12:31
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 05 05:26:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 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 | 92 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 40.512 | -1.3 | 94 | -0.01 |
| 3 | | Pyridine | 40.000 | 40.296 | -0.7 | 93 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.301 | -10.8 | 101 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.915 | -4.9 | 96 | 0.00 |
| 6 | | Aniline | 40.000 | 40.415 | -1.0 | 94 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 77.507 | 3.1 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.767 | 0.6 | 93 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 40.108 | -0.3 | 92 | -0.01 |
| 10 | C | Phenol | 40.000 | 38.759 | 3.1 | 90 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.804 | 3.0 | 89 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.344 | -3.4 | 95 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.875 | -2.2 | 93 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.124 | -0.3 | 92 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 39.549 | 1.1 | 92 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.243 | 4.4 | 89 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 37.601 | 6.0 | 87 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.945 | -2.4 | 95 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.393 | 4.0 | 89 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.616 | 6.0 | 88 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | -0.01 |
| 22 | | Acetophenone | 40.000 | 40.817 | -2.0 | 88 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.514 | -1.9 | 89 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.782 | -2.0 | 88 | -0.01 |
| 25 | | Isophorone | 40.000 | 40.659 | -1.6 | 87 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.361 | -8.4 | 93 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.785 | 0.5 | 86 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.794 | -2.0 | 88 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.636 | 3.4 | 83 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.163 | -0.4 | 86 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.995 | 0.0 | 86 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 27.796 | 30.5# | 55 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 40.360 | -0.9 | 87 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.891 | 0.3 | 89 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.097 | 2.3 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.993 | 5.0 | 82 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.043 | 4.9 | 83 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.962 | 5.1 | 82 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 81 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.381 | -3.5 | 82 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 44.803 | -12.0 | 98 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 84.219 | -5.3 | 84 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.435 | -6.1 | 83 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.452 | -1.1 | 81 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 84.239 | -5.3 | 83 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.272 | -3.2 | 80 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.351 | -3.4 | 82 | -0.01 |
| 48 | | 2-Nitroaniline | 40.000 | 42.158 | -5.4 | 83 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 40.268 | -0.7 | 78 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 40.621 | -1.6 | 79 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.411 | -1.0 | 80 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 39.643 | 0.9 | 78 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 41.667 | -4.2 | 80 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 42.311 | -5.8 | 90 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.503 | -1.3 | 78 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 44.881 | -12.2 | 87 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.838 | -4.6 | 81 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.031 | -0.1 | 79 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.870 | -2.2 | 80 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 39.848 | 0.4 | 78 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.782 | 0.5 | 79 | -0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 42.655 | -6.6 | 84 | -0.01 |
| 63 | | Azobenzene | 40.000 | 38.888 | 2.8 | 75 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 79 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.601 | -11.5 | 95 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.573 | -1.4 | 78 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.748 | 0.6 | 76 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 39.500 | 1.3 | 76 | -0.01 |
| 69 | | Atrazine | 40.000 | 43.713 | -9.3 | 78 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 38.634 | 3.4 | 74 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 40.997 | -2.5 | 78 | -0.02 |
| 72 | | Anthracene | 40.000 | 41.820 | -4.6 | 80 | -0.01 |
| 73 | | Carbazole | 40.000 | 42.547 | -6.4 | 81 | -0.01 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.568 | -3.9 | 78 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 40.508 | -1.3 | 76 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 78 | -0.01 |
| 77 | | Benzidine | 40.000 | 45.500 | -13.8 | 83 | -0.01 |
| 78 | | Pyrene | 40.000 | 41.350 | -3.4 | 77 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.742 | -5.9 | 78 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.690 | -1.7 | 76 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.472 | -1.2 | 77 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.654 | -9.1 | 84 | -0.02 |
| 83 | | Chrysene | 40.000 | 40.157 | -0.4 | 75 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.553 | 1.1 | 75 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.173 | -2.9 | 77 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.111 | -2.8 | 79 | -0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 78 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.966 | 0.1 | 76 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.849 | 0.4 | 76 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.374 | -0.9 | 77 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.266 | -3.2 | 78 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 42.069 | -5.2 | 81 | -0.03 |

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