# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041519\
Data File : BG040477.D
Acq On : 15 Apr 2019 12:57
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 16 05:44:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 13 00:33:11 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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.850 | 0.4 | 92 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.208 | -3.0 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.506 | 3.7 | 89 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.496 | -3.1 | 94 | 0.00 |
| 6 | | Aniline | 40.000 | 39.474 | 1.3 | 89 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 83.190 | -4.0 | 94 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.282 | -0.7 | 91 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.104 | -2.8 | 90 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.210 | -3.0 | 94 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.452 | 1.4 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.415 | -1.0 | 91 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.792 | -2.0 | 93 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.329 | -3.3 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.839 | 2.9 | 88 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.117 | -0.3 | 91 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.917 | 0.2 | 90 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.681 | 0.8 | 91 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.688 | 5.8 | 86 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.816 | 3.0 | 87 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.737 | -1.8 | 90 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.289 | -2.9 | 90 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.273 | -3.2 | 90 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.474 | 1.3 | 87 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.441 | -3.6 | 90 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.185 | -3.0 | 90 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.955 | 0.1 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.497 | -6.2 | 91 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.349 | -3.4 | 91 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.467 | -3.7 | 90 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 27.366 | 31.6# | 64 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 42.480 | -6.2 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.770 | 0.6 | 87 | 0.00 |
| 35 | | Caprolactam | 40.000 | 46.008 | -15.0 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 45.211 | -13.0 | 98 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.445 | -3.6 | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.876 | -4.7 | 92 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.083 | 2.3 | 92 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.396 | 6.5 | 91 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 94.878 | -18.6 | 112 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.209 | 2.0 | 92 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.285 | -3.2 | 99 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.745 | -0.9 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.298 | -0.7 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.864 | -2.2 | 97 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 43.800 | -9.5 | 102 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 41.408 | -3.5 | 97 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 43.071 | -7.7 | 102 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 44.295 | -10.7 | 105 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.410 | -3.5 | 98 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 46.339 | -15.8 | 109 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 33.955 | 15.1 | 85 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 43.369 | -8.4 | 103 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 60.150 | -50.4# | 144 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 47.636 | -19.1 | 112 | 0.00 |
| 58 | | Fluorene | 40.000 | 43.963 | -9.9 | 104 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.742 | -9.4 | 103 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 45.681 | -14.2 | 108 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 43.727 | -9.3 | 102 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 48.663 | -21.7 | 116 | 0.00 |
| 63 | | Azobenzene | 40.000 | 44.915 | -12.3 | 107 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 116 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.371 | 1.6 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.086 | 2.3 | 109 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.955 | 2.6 | 109 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.810 | 3.0 | 110 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.551 | 6.1 | 105 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 48.747 | -21.9# | 140 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.869 | -2.2 | 114 | 0.00 |
| 72 | | Anthracene | 40.000 | 41.158 | -2.9 | 115 | 0.00 |
| 73 | | Carbazole | 40.000 | 43.273 | -8.2 | 120 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.702 | -9.3 | 122 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 43.952 | -9.9 | 122 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 129 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.910 | 2.7 | 121 | 0.00 |
| 78 | | Pyrene | 40.000 | 39.361 | 1.6 | 124 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 75.349 | 5.8 | 120 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.141 | -2.9 | 130 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.886 | 0.3 | 126 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.445 | -1.1 | 126 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.193 | -0.5 | 127 | 0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.845 | -2.1 | 130 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 40.294 | -0.7 | 126 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.765 | 3.1 | 124 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 124 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.944 | 0.1 | 122 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.666 | -4.2 | 129 | 0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.824 | -2.1 | 125 | 0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.830 | -2.1 | 125 | 0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 40.025 | -0.1 | 123 | 0.03 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1