# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
Data File : BG040802.D
Acq On : 9 May 2019 00:06
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 09 05:02:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 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 | 116 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 38.264 | 4.3 | 116 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.434 | -3.6 | 119 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.977 | 0.1 | 122 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.706 | -2.1 | 122 | -0.01 |
| 6 | | Aniline | 40.000 | 39.385 | 1.5 | 117 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 84.642 | -5.8 | 127 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 40.243 | -0.6 | 119 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 45.824 | -14.6 | 131 | -0.01 |
| 10 | C | Phenol | 40.000 | 42.109 | -5.3 | 126 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.382 | -1.0 | 121 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.813 | -2.0 | 122 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.492 | -1.2 | 121 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.683 | -1.7 | 122 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 39.035 | 2.4 | 116 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.961 | 15.1 | 102 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 39.459 | 1.4 | 119 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 38.481 | 3.8 | 116 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.802 | 5.5 | 115 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.415 | -3.5 | 123 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 119 | -0.02 |
| 22 | | Acetophenone | 40.000 | 40.428 | -1.1 | 120 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 87.771 | -9.7 | 131 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 42.445 | -6.1 | 129 | -0.02 |
| 25 | | Isophorone | 40.000 | 38.512 | 3.7 | 116 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 50.215 | -25.5# | 152 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.534 | -1.3 | 122 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.124 | 2.2 | 116 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.167 | -10.4 | 130 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.074 | -7.7 | 128 | -0.02 |
| 31 | | Naphthalene | 40.000 | 40.501 | -1.3 | 119 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 39.302 | 1.7 | 121 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 40.225 | -0.6 | 122 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 44.494 | -11.2 | 133 | -0.02 |
| 35 | | Caprolactam | 40.000 | 39.741 | 0.6 | 117 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.225 | -5.6 | 130 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.200 | -3.0 | 122 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.874 | -4.7 | 125 | -0.02 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 125 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.375 | -8.4 | 136 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 32.051 | 19.9 | 101 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 90.728 | -13.4 | 144 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 44.263 | -10.7 | 143 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 45.004 | -12.5 | 143 | -0.01 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 81.966 | -2.5 | 128 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.285 | 1.8 | 123 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.897 | -2.2 | 129 | -0.02 |
| 48 | | 2-Nitroaniline | 40.000 | 46.306 | -15.8 | 149 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 40.025 | -0.1 | 124 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 40.971 | -2.4 | 128 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 47.145 | -17.9 | 149 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 39.222 | 1.9 | 126 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 44.826 | -12.1 | 141 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 27.862 | 30.3# | 86 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 41.531 | -3.8 | 132 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 34.757 | 13.1 | 112 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 48.401 | -21.0 | 155 | -0.01 |
| 58 | | Fluorene | 40.000 | 40.765 | -1.9 | 129 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 45.305 | -13.3 | 142 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 39.337 | 1.7 | 124 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.858 | -7.1 | 136 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 42.779 | -6.9 | 136 | -0.02 |
| 63 | | Azobenzene | 40.000 | 37.232 | 6.9 | 117 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 130 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 35.978 | 10.1 | 126 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.742 | 3.1 | 127 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.604 | -4.0 | 138 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 42.099 | -5.2 | 140 | -0.02 |
| 69 | | Atrazine | 40.000 | 37.279 | 6.8 | 119 | -0.02 |
| 70 | C | Pentachlorophenol | 40.000 | 38.182 | 4.5 | 124 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 39.712 | 0.7 | 129 | -0.02 |
| 72 | | Anthracene | 40.000 | 39.296 | 1.8 | 127 | -0.02 |
| 73 | | Carbazole | 40.000 | 38.163 | 4.6 | 124 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 37.089 | 7.3 | 121 | -0.03 |
| 75 | C | Fluoranthene | 40.000 | 40.245 | -0.6 | 131 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 132 | -0.03 |
| 77 | | Benzidine | 40.000 | 31.607 | 21.0 | 99 | -0.02 |
| 78 | | Pyrene | 40.000 | 39.754 | 0.6 | 129 | -0.02 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.084 | 1.1 | 128 | -0.02 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.002 | 5.0 | 126 | -0.03 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.411 | 1.5 | 129 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.744 | 5.6 | 122 | -0.03 |
| 83 | | Chrysene | 40.000 | 40.331 | -0.8 | 132 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.527 | 8.7 | 120 | -0.04 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 36.096 | 9.8 | 119 | -0.06 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 30.700 | 23.3 | 102 | -0.09 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 129 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.708 | 0.7 | 127 | -0.05 |
| 89 | Benzo(k)fluoranthene | 40.000 | 41.692 | -4.2 | 134 | -0.04 |
| 90 C | Benzo(a)pyrene | 40.000 | 39.588 | 1.0 | 126 | -0.05 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 28.876 | 27.8# | 92 | -0.09 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 31.068 | 22.3 | 99 | -0.10 |

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