# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041901.D
Acq On : 3 Aug 2019 9:32
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02077

Quant Time: Aug 03 23:43:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 05:36:19 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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 8.000 | 8.192 | -2.4 | 93 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 8.000 | 8.221 | -2.8 | 95 | 0.00 |
| 4 | | Benzaldehyde | 20.000 | 20.077 | -0.4 | 94 | 0.00 |
| 5 | S | Phenol-d5 | 20.000 | 20.065 | -0.3 | 97 | 0.00 |
| 6 | | Phenol | 20.000 | 20.854 | -4.3 | 99 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 20.828 | -4.1 | 98 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 20.000 | 21.151 | -5.8 | 99 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 20.000 | 20.047 | -0.2 | 95 | 0.00 |
| 10 | | 2-Chlorophenol | 20.000 | 20.848 | -4.2 | 99 | 0.00 |
| 11 | | 2-Methylphenol | 20.000 | 19.949 | 0.3 | 96 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 21.020 | -5.1 | 97 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 20.000 | 20.501 | -2.5 | 99 | 0.00 |
| 14 | | Acetophenone | 20.000 | 20.897 | -4.5 | 99 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 20.000 | 20.311 | -1.6 | 96 | 0.00 |
| 16 | | 4-Methylphenol | 20.000 | 20.569 | -2.8 | 99 | 0.00 |
| 17 | | Hexachloroethane | 20.000 | 20.062 | -0.3 | 95 | 0.00 |
| 18 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 20.000 | 20.869 | -4.3 | 95 | 0.00 |
| 20 | | Nitrobenzene | 20.000 | 21.487 | -7.4 | 100 | 0.00 |
| 21 | | Isophorone | 20.000 | 21.358 | -6.8 | 97 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 20.000 | 21.285 | -6.4 | 98 | 0.00 |
| 23 | C | 2-Nitrophenol | 20.000 | 22.071 | -10.4 | 99 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 20.000 | 21.557 | -7.8 | 97 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 20.000 | 21.591 | -8.0 | 97 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 20.000 | 21.799 | -9.0 | 98 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 20.000 | 21.674 | -8.4 | 99 | 0.00 |
| 28 | | Naphthalene | 20.000 | 21.429 | -7.1 | 98 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 20.000 | 22.421 | -12.1 | 99 | 0.00 |
| 30 | | 4-Chloroaniline | 20.000 | 22.543 | -12.7 | 100 | 0.00 |
| 31 | C | Hexachlorobutadiene | 20.000 | 21.911 | -9.6 | 99 | 0.00 |
| 32 | | Caprolactam | 20.000 | 21.576 | -7.9 | 100 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 20.000 | 21.253 | -6.3 | 98 | 0.00 |
| 34 | | 2-Methylnaphthalene | 20.000 | 21.896 | -9.5 | 100 | 0.00 |
| 35 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 22.073 | -10.4 | 101 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 20.000 | 21.273 | -6.4 | 99 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 20.000 | 21.675 | -8.4 | 99 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 20.000 | 22.419 | -12.1 | 102 | 0.00 |
| 40 | | 1,1'-Biphenyl | 20.000 | 21.774 | -8.9 | 98 | 0.00 |
| 41 | | 2-Chloronaphthalene | 20.000 | 21.744 | -8.7 | 99 | 0.00 |
| 42 | | 2-Nitroaniline | 20.000 | 21.939 | -9.7 | 99 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 20.000 | 22.038 | -10.2 | 100 | 0.00 |
| 44 | | Dimethylphthalate | 20.000 | 22.194 | -11.0 | 101 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 20.000 | 22.359 | -11.8 | 101 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 20.000 | 22.176 | -10.9 | 99 | 0.00 |
| 47 | | Acenaphthylene | 20.000 | 21.910 | -9.6 | 98 | 0.00 |
| 48 | | 3-Nitroaniline | 20.000 | 21.395 | -7.0 | 101 | 0.00 |
| 49 | C | Acenaphthene | 20.000 | 21.954 | -9.8 | 100 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 20.000 | 17.592 | 12.0 | 96 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 20.000 | 22.450 | -12.2 | 105 | -0.01 |
| 52 | | 4-Nitrophenol | 20.000 | 22.166 | -10.8 | 102 | -0.01 |
| 53 | | Dibenzofuran | 20.000 | 21.912 | -9.6 | 98 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 20.000 | 22.794 | -14.0 | 102 | -0.01 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 21.853 | -9.3 | 100 | 0.00 |
| 56 | | Diethylphthalate | 20.000 | 22.395 | -12.0 | 100 | 0.00 |
| 57 | S | Fluorene-d10 | 20.000 | 22.076 | -10.4 | 99 | 0.00 |
| 58 | | Fluorene | 20.000 | 22.216 | -11.1 | 101 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 20.000 | 22.240 | -11.2 | 102 | 0.00 |
| 60 | | 4-Nitroaniline | 20.000 | 21.300 | -6.5 | 102 | 0.00 |
| 61 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 20.000 | 19.660 | 1.7 | 99 | -0.02 |
| 63 | | 4,6-Dinitro-2-methylphenol | 20.000 | 20.486 | -2.4 | 106 | -0.01 |
| 64 | | N-Nitrosodiphenylamine | 20.000 | 21.593 | -8.0 | 101 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 20.000 | 21.059 | -5.3 | 100 | 0.00 |
| 66 | | Hexachlorobenzene | 20.000 | 21.412 | -7.1 | 101 | -0.01 |
| 67 | | Atrazine | 20.000 | 22.293 | -11.5 | 103 | 0.00 |
| 68 | C | Pentachlorophenol | 20.000 | 20.574 | -2.9 | 114 | 0.00 |
| 69 | | Phenanthrene | 20.000 | 22.061 | -10.3 | 102 | 0.00 |
| 70 | S | Anthracene-d10 | 20.000 | 22.170 | -10.9 | 102 | -0.01 |
| 71 | | Anthracene | 20.000 | 22.234 | -11.2 | 101 | -0.01 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 20.000 | 20.783 | -3.9 | 100 | 0.00 |
| 73 | | Pentachlorobenzene | 20.000 | 20.911 | -4.6 | 100 | -0.01 |
| 74 | | Carbazole | 20.000 | 23.861 | -19.3 | 101 | 0.00 |
| 75 | | Di-n-butylphthalate | 20.000 | 22.726 | -13.6 | 102 | 0.00 |
| 76 | C | Fluoranthene | 20.000 | 25.661 | -28.3# | 102 | 0.00 |
| 77 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 99 | -0.01 |
| 78 | S | Pyrene-d10 | 20.000 | 21.623 | -8.1 | 103 | 0.00 |
| 79 | | Pyrene | 20.000 | 21.733 | -8.7 | 102 | -0.01 |
| 80 | | Butylbenzylphthalate | 20.000 | 21.573 | -7.9 | 104 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 20.000 | 22.366 | -11.8 | 106 | -0.01 |
| 82 | | Benzo(a)anthracene | 20.000 | 22.091 | -10.5 | 105 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 20.000 | 21.828 | -9.1 | 104 | 0.00 |
| 84 | | Chrysene | 20.000 | 22.136 | -10.7 | 106 | -0.01 |
| 85 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 99 | -0.03 |
| 86 | | Di-n-octyl phthalate | 20.000 | 23.604 | -18.0 | 104 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 20.000 | 21.718 | -8.6 | 105 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 20.000 | 21.706 | -8.5 | 104 | -0.02 |
| 89 | S | Benzo(a)pyrene-d12 | 20.000 | 21.827 | -9.1 | 106 | -0.03 |
| 90 | C | Benzo(a)pyrene | 20.000 | 21.652 | -8.3 | 104 | -0.03 |
| 91 | | Indeno(1,2,3-cd)pyrene | 20.000 | 21.643 | -8.2 | 105 | -0.06 |
| 92 | | Dibenzo(a,h)anthracene | 20.000 | 22.023 | -10.1 | 106 | -0.06 |
| 93 | | Benzo(g,h,i)perylene | 20.000 | 21.558 | -7.8 | 105 | -0.06 |

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