# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG012818\
Data File : BG032385.D
Acq On : 28 Jan 2018 12:46
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02084

Quant Time: Jan 29 04:56:45 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG012218.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 23 04:46:40 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 2 | | 1,4-Dioxane | 0.375 | 0.312 | 16.8 | 60 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.330 | 0.320 | 3.0 | 62 | 0.00 |
| 4 | | Benzaldehyde | 0.684 | 0.777 | -13.6 | 63 | 0.00 |
| 5 | S | Phenol-d5 | 1.374 | 1.204 | 12.4 | 61 | 0.00 |
| 6 | | Phenol | 1.347 | 1.200 | 10.9 | 60 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.648 | 0.594 | 8.3 | 61 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 0.947 | 0.850 | 10.2 | 62 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.282 | 1.190 | 7.2 | 63 | 0.00 |
| 10 | | 2-Chlorophenol | 1.211 | 1.173 | 3.1 | 67 | 0.00 |
| 11 | | 2-Methylphenol | 1.072 | 0.946 | 11.8 | 61 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 0.943 | 0.806 | 14.5 | 57 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.248 | 1.138 | 8.8 | 63 | 0.00 |
| 14 | | Acetophenone | 1.748 | 1.647 | 5.8 | 64 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.816 | 0.711 | 12.9 | 60 | 0.00 |
| 16 | | 4-Methylphenol | 1.173 | 1.043 | 11.1 | 61 | 0.00 |
| 17 | | Hexachloroethane | 0.478 | 0.455 | 4.8 | 68 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.146 | 0.138 | 5.5 | 60 | 0.00 |
| 20 | | Nitrobenzene | 0.293 | 0.292 | 0.3 | 63 | 0.00 |
| 21 | | Isophorone | 0.528 | 0.525 | 0.6 | 61 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.175 | 0.182 | -4.0 | 64 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.179 | 0.184 | -2.8 | 62 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.359 | 0.362 | -0.8 | 63 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.335 | 0.302 | 9.9 | 57 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.383 | 0.384 | -0.3 | 63 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.361 | 0.354 | 1.9 | 60 | 0.00 |
| 28 | | Naphthalene | 0.912 | 0.924 | -1.3 | 64 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.267 | 0.356 | -33.3# | 67 | 0.00 |
| 30 | | 4-Chloroaniline | 0.259 | 0.341 | -31.7# | 66 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.326 | 0.346 | -6.1 | 67 | 0.00 |
| 32 | | Caprolactam | 0.093 | 0.106 | -14.0 | 71 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.327 | 0.326 | 0.3 | 63 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.776 | 0.784 | -1.0 | 63 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 69 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.892 | 0.866 | 2.9 | 66 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.385 | 0.437 | -13.5 | 88 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.515 | 0.494 | 4.1 | 66 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.532 | 0.535 | -0.6 | 69 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.578 | 1.529 | 3.1 | 66 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.266 | 1.206 | 4.7 | 65 | 0.00 |
| 42 | | 2-Nitroaniline | 0.253 | 0.273 | -7.9 | 73 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.670 | 1.729 | -3.5 | 70 | 0.00 |
| 44 | | Dimethylphthalate | 1.603 | 1.706 | -6.4 | 71 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.327 | 0.356 | -8.9 | 73 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.047 | 2.016 | 1.5 | 66 | 0.00 |
| 47 | | Acenaphthylene | 1.785 | 1.803 | -1.0 | 70 | 0.00 |
| 48 | | 3-Nitroaniline | 0.239 | 0.299 | -25.1# | 80 | 0.00 |
| 49 | C | Acenaphthene | 1.303 | 1.312 | -0.7 | 68 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.169 | 0.203 | -20.1# | 120 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.223 | 0.277 | -24.2# | 87 | 0.00 |
| 52 | | 4-Nitrophenol | 0.205 | 0.281 | -37.1# | 94 | 0.00 |
| 53 | | Dibenzofuran | 1.962 | 1.998 | -1.8 | 69 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.473 | 0.566 | -19.7 | 80 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.509 | 0.585 | -14.9 | 76 | 0.00 |
| 56 | | Diethylphthalate | 1.517 | 1.701 | -12.1 | 75 | 0.00 |
| 57 | S | Fluorene-d10 | 1.555 | 1.629 | -4.8 | 71 | 0.00 |
| 58 | | Fluorene | 1.556 | 1.637 | -5.2 | 71 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.982 | 1.023 | -4.2 | 71 | 0.00 |
| 60 | | 4-Nitroaniline | 0.275 | 0.343 | -24.7# | 85 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.140 | -13.8 | 103 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.129 | 0.142 | -10.1 | 98 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.569 | 0.538 | 5.4 | 78 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.288 | 0.266 | 7.6 | 75 | 0.00 |
| 66 | | Hexachlorobenzene | 0.299 | 0.288 | 3.7 | 79 | 0.00 |
| 67 | | Atrazine | 0.256 | 0.269 | -5.1 | 82 | 0.00 |
| 68 | C | Pentachlorophenol | 0.149 | 0.153 | -2.7 | 90 | 0.00 |
| 69 | | Phenanthrene | 1.052 | 1.044 | 0.8 | 80 | 0.00 |
| 70 | S | Anthracene-d10 | 0.962 | 0.951 | 1.1 | 80 | 0.00 |
| 71 | | Anthracene | 1.080 | 1.075 | 0.5 | 80 | 0.00 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 0.381 | 0.310 | 18.6 | 66 | 0.00 |
| 73 | | Pentachlorobenzene | 0.400 | 0.347 | 13.3 | 71 | 0.00 |
| 74 | | Carbazole | 0.837 | 0.900 | -7.5 | 85 | 0.00 |
| 75 | | Di-n-butylphthalate | 0.987 | 1.042 | -5.6 | 84 | 0.00 |
| 76 | C | Fluoranthene | 1.298 | 1.472 | -13.4 | 86 | 0.00 |
| 77 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 78 | S | Pyrene-d10 | 0.928 | 0.941 | -1.4 | 87 | 0.00 |
| 79 | | Pyrene | 1.129 | 1.124 | 0.4 | 84 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.368 | 0.346 | 6.0 | 82 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.320 | 0.368 | -15.0 | 98 | 0.00 |
| 82 | | Benzo(a)anthracene | 1.209 | 1.206 | 0.2 | 86 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.522 | 0.495 | 5.2 | 82 | 0.00 |
| 84 | | Chrysene | 1.097 | 1.098 | -0.1 | 86 | 0.00 |
| 85 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 86 | | Di-n-octyl phthalate | 0.834 | 0.781 | 6.4 | 81 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.182 | 1.179 | 0.3 | 87 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 1.161 | 1.104 | 4.9 | 83 | 0.00 |
| 89 | S | Benzo(a)pyrene-d12 | 0.925 | 0.891 | 3.7 | 85 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.140 | 1.122 | 1.6 | 87 | 0.00 |
| 91 | | Indeno(1,2,3-cd)pyrene | 1.291 | 1.325 | -2.6 | 89 | 0.00 |
| 92 | | Dibenzo(a,h)anthracene | 1.056 | 1.100 | -4.2 | 90 | 0.00 |
| 93 | | Benzo(g,h,i)perylene | 1.027 | 1.109 | -8.0 | 99 | 0.00 |

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