# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02060

Quant Time: Sep 11 01:18:06 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
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 | 97 | 0.00 |
| 2 | | 1,4-Dioxane | 0.514 | 0.482 | 6.2 | 96 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.440 | 0.394 | 10.5 | 87 | 0.00 |
| 4 | | Benzaldehyde | 1.214 | 1.279 | -5.4 | 98 | 0.00 |
| 5 | S | Phenol-d5 | 1.903 | 1.821 | 4.3 | 98 | 0.00 |
| 6 | | Phenol | 1.905 | 1.895 | 0.5 | 99 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.169 | 1.113 | 4.8 | 95 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.355 | 1.263 | 6.8 | 93 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.353 | 1.329 | 1.8 | 98 | 0.00 |
| 10 | | 2-Chlorophenol | 1.299 | 1.268 | 2.4 | 90 | 0.00 |
| 11 | | 2-Methylphenol | 1.370 | 1.259 | 8.1 | 91 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.542 | 2.457 | 3.3 | 92 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.564 | 1.443 | 7.7 | 92 | 0.00 |
| 14 | | Acetophenone | 2.248 | 2.278 | -1.3 | 101 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.231 | 1.203 | 2.3 | 91 | 0.00 |
| 16 | | 4-Methylphenol | 1.511 | 1.432 | 5.2 | 96 | 0.00 |
| 17 | | Hexachloroethane | 0.561 | 0.563 | -0.4 | 99 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.168 | 0.169 | -0.6 | 95 | 0.00 |
| 20 | | Nitrobenzene | 0.463 | 0.445 | 3.9 | 92 | 0.00 |
| 21 | | Isophorone | 0.852 | 0.873 | -2.5 | 99 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.201 | 0.193 | 4.0 | 92 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.190 | 0.191 | -0.5 | 94 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.443 | 0.444 | -0.2 | 93 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.458 | 0.466 | -1.7 | 98 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.373 | 0.377 | -1.1 | 95 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.343 | 0.345 | -0.6 | 98 | 0.00 |
| 28 | | Naphthalene | 1.047 | 1.048 | -0.1 | 97 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.328 | 0.315 | 4.0 | 103 | 0.00 |
| 30 | | 4-Chloroaniline | 0.313 | 0.297 | 5.1 | 102 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.284 | 0.288 | -1.4 | 98 | 0.00 |
| 32 | | Caprolactam | 0.128 | 0.129 | -0.8 | 98 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.416 | 0.416 | 0.0 | 94 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.805 | 0.801 | 0.5 | 97 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.749 | 0.724 | 3.3 | 94 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.297 | 0.229 | 22.9# | 97 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.475 | 0.455 | 4.2 | 96 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.503 | 0.506 | -0.6 | 97 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.555 | 1.505 | 3.2 | 96 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.217 | 1.175 | 3.5 | 95 | 0.00 |
| 42 | | 2-Nitroaniline | 0.467 | 0.456 | 2.4 | 98 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.833 | 1.794 | 2.1 | 96 | 0.00 |
| 44 | | Dimethylphthalate | 1.688 | 1.636 | 3.1 | 96 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.365 | 0.367 | -0.5 | 97 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.085 | 2.023 | 3.0 | 94 | 0.00 |
| 47 | | Acenaphthylene | 1.967 | 1.933 | 1.7 | 96 | 0.00 |
| 48 | | 3-Nitroaniline | 0.269 | 0.267 | 0.7 | 102 | 0.00 |
| 49 | C | Acenaphthene | 1.346 | 1.302 | 3.3 | 96 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.178 | 0.149 | 16.3 | 110 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.284 | 0.254 | 10.6 | 97 | 0.00 |
| 52 | | 4-Nitrophenol | 0.261 | 0.244 | 6.5 | 96 | 0.00 |
| 53 | | Dibenzofuran | 1.953 | 1.913 | 2.0 | 96 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.543 | 0.531 | 2.2 | 96 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.470 | 0.458 | 2.6 | 97 | 0.00 |
| 56 | | Diethylphthalate | 1.786 | 1.691 | 5.3 | 93 | 0.00 |
| 57 | S | Fluorene-d10 | 1.634 | 1.555 | 4.8 | 95 | 0.00 |
| 58 | | Fluorene | 1.695 | 1.652 | 2.5 | 95 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.947 | 0.894 | 5.6 | 94 | 0.00 |
| 60 | | 4-Nitroaniline | 0.361 | 0.358 | 0.8 | 93 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.141 | 0.131 | 7.1 | 95 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.141 | 0.133 | 5.7 | 98 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.552 | 0.538 | 2.5 | 95 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.245 | 0.243 | 0.8 | 94 | 0.00 |
| 66 | | Hexachlorobenzene | 0.261 | 0.261 | 0.0 | 97 | 0.00 |
| 67 | | Atrazine | 0.248 | 0.243 | 2.0 | 95 | 0.00 |
| 68 | C | Pentachlorophenol | 0.119 | 0.106 | 10.9 | 102 | 0.00 |
| 69 | | Phenanthrene | 1.054 | 1.048 | 0.6 | 96 | 0.00 |
| 70 | S | Anthracene-d10 | 1.005 | 0.999 | 0.6 | 96 | 0.00 |
| 71 | | Anthracene | 1.089 | 1.090 | -0.1 | 97 | 0.00 |
| 72 | | Carbazole | 0.933 | 0.943 | -1.1 | 98 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.165 | 1.171 | -0.5 | 96 | 0.00 |
| 74 | C | Fluoranthene | 1.335 | 1.352 | -1.3 | 97 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 76 | S | Pyrene-d10 | 0.975 | 0.981 | -0.6 | 97 | 0.00 |
| 77 | | Pyrene | 1.154 | 1.165 | -1.0 | 98 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.445 | 0.448 | -0.7 | 97 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.342 | 0.349 | -2.0 | 102 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.185 | 1.196 | -0.9 | 97 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.632 | 0.637 | -0.8 | 99 | 0.00 |
| 82 | | Chrysene | 1.068 | 1.079 | -1.0 | 98 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.142 | 1.138 | 0.4 | 99 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.229 | 1.228 | 0.1 | 100 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.193 | 1.166 | 2.3 | 99 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.972 | 0.960 | 1.2 | 100 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.195 | 1.165 | 2.5 | 97 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.424 | 1.415 | 0.6 | 100 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.189 | 1.182 | 0.6 | 99 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.162 | 1.172 | -0.9 | 101 | 0.00 |

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