# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\bg111215\
Data File : BG019582.D
Acq On : 12 Nov 2015 13:54
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02013

Quant Time: Nov 13 10:14:31 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 13 10:06:43 2015
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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 0.476 | 0.428 | 10.1 | 104 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.418 | 0.413 | 1.2 | 107 | 0.00 |
| 4 | | Benzaldehyde | 1.194 | 1.294 | -8.4 | 89 | 0.00 |
| 5 | S | Phenol-d5 | 1.836 | 1.795 | 2.2 | 97 | 0.00 |
| 6 | | Phenol | 1.956 | 1.944 | 0.6 | 96 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.164 | 1.149 | 1.3 | 96 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.344 | 1.364 | -1.5 | 97 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.146 | 1.078 | 5.9 | 92 | 0.00 |
| 10 | | 2-Chlorophenol | 1.180 | 1.086 | 8.0 | 90 | 0.00 |
| 11 | | 2-Methylphenol | 1.446 | 1.408 | 2.6 | 96 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.077 | 1.210 | -12.3 | 111 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.462 | 1.448 | 1.0 | 95 | 0.00 |
| 14 | | Acetophenone | 2.455 | 2.379 | 3.1 | 92 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.609 | 1.545 | 4.0 | 97 | 0.00 |
| 16 | | 4-Methylphenol | 1.580 | 1.549 | 2.0 | 94 | 0.00 |
| 17 | | Hexachloroethane | 0.616 | 0.531 | 13.8 | 93 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.147 | 0.134 | 8.8 | 91 | 0.00 |
| 20 | | Nitrobenzene | 0.575 | 0.533 | 7.3 | 92 | 0.00 |
| 21 | | Isophorone | 1.041 | 1.025 | 1.5 | 99 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.174 | 0.161 | 7.5 | 88 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.198 | 0.173 | 12.6 | 88 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.518 | 0.479 | 7.5 | 92 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.493 | 0.513 | -4.1 | 103 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.379 | 0.358 | 5.5 | 93 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.362 | 0.342 | 5.5 | 89 | 0.00 |
| 28 | | Naphthalene | 1.001 | 0.957 | 4.4 | 93 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.383 | 0.426 | -11.2 | 94 | 0.00 |
| 30 | | 4-Chloroaniline | 0.401 | 0.427 | -6.5 | 92 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.370 | 0.306 | 17.3 | 80 | 0.00 |
| 32 | | Caprolactam | 0.130 | 0.137 | -5.4 | 103 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.486 | 0.483 | 0.6 | 96 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.804 | 0.746 | 7.2 | 90 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.761 | 0.743 | 2.4 | 93 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.824 | 0.698 | 15.3 | 87 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.612 | 0.409 | 33.2# | 69 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.487 | 0.419 | 14.0 | 88 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.535 | 0.461 | 13.8 | 91 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.414 | 1.263 | 10.7 | 90 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.103 | 0.981 | 11.1 | 92 | 0.00 |
| 43 | | 2-Nitroaniline | 0.472 | 0.438 | 7.2 | 94 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.649 | 1.487 | 9.8 | 93 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.686 | 1.517 | 10.0 | 94 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.341 | 0.315 | 7.6 | 95 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.826 | 1.630 | 10.7 | 91 | 0.00 |
| 48 | | Acenaphthylene | 1.871 | 1.676 | 10.4 | 93 | 0.00 |
| 49 | | 3-Nitroaniline | 0.294 | 0.279 | 5.1 | 94 | 0.00 |
| 50 | C | Acenaphthene | 1.263 | 1.134 | 10.2 | 93 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.257 | 0.171 | 33.5# | 72 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.262 | 0.220 | 16.0 | 86 | 0.00 |
| 53 | | 4-Nitrophenol | 0.409 | 0.282 | 31.1# | 70 | 0.00 |
| 54 | | Dibenzofuran | 1.861 | 1.675 | 10.0 | 92 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.539 | 0.469 | 13.0 | 91 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.559 | 0.470 | 15.9 | 86 | 0.00 |
| 57 | | Diethylphthalate | 1.665 | 1.464 | 12.1 | 91 | 0.00 |
| 58 | S | Fluorene-d10 | 1.525 | 1.362 | 10.7 | 90 | 0.00 |
| 59 | | Fluorene | 1.623 | 1.430 | 11.9 | 91 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.965 | 0.829 | 14.1 | 89 | 0.00 |
| 61 | | 4-Nitroaniline | 0.338 | 0.291 | 13.9 | 87 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.129 | 0.107 | 17.1 | 80 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.140 | 0.115 | 17.9 | 80 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.517 | 0.482 | 6.8 | 89 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.238 | 0.211 | 11.3 | 84 | 0.00 |
| 67 | | Hexachlorobenzene | 0.252 | 0.220 | 12.7 | 83 | 0.00 |
| 68 | | Atrazine | 0.256 | 0.224 | 12.5 | 83 | 0.00 |
| 69 | C | Pentachlorophenol | 0.149 | 0.114 | 23.5 | 77 | 0.00 |
| 70 | | Phenanthrene | 1.009 | 0.933 | 7.5 | 89 | 0.00 |
| 71 | S | Anthracene-d10 | 0.912 | 0.848 | 7.0 | 90 | 0.00 |
| 72 | | Anthracene | 1.029 | 0.950 | 7.7 | 89 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.290 | 0.262 | 9.7 | 84 | 0.00 |
| 74 | | Pentachlorobenzene | 0.292 | 0.260 | 11.0 | 84 | 0.00 |
| 75 | | Carbazole | 0.821 | 0.774 | 5.7 | 87 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.018 | 0.924 | 9.2 | 88 | 0.00 |
| 77 | C | Fluoranthene | 1.307 | 1.234 | 5.6 | 86 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 79 | S | Pyrene-d10 | 0.875 | 0.790 | 9.7 | 87 | 0.00 |
| 80 | | Pyrene | 1.122 | 1.000 | 10.9 | 86 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.365 | 0.346 | 5.2 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.392 | 0.362 | 7.7 | 84 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.165 | 1.071 | 8.1 | 90 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.518 | 0.511 | 1.4 | 97 | 0.00 |
| 85 | | Chrysene | 1.093 | 1.005 | 8.1 | 90 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 87 | | Di-n-octyl phthalate | 0.906 | 0.916 | -1.1 | 95 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.180 | 1.101 | 6.7 | 91 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.135 | 1.039 | 8.5 | 90 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.004 | 0.917 | 8.7 | 90 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.133 | 1.043 | 7.9 | 90 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.277 | 1.157 | 9.4 | 89 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.066 | 0.955 | 10.4 | 89 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 0.969 | 0.970 | -0.1 | 91 | 0.00 |

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