# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081715\
Data File : BG018444.D
Acq On : 17 Aug 2015 9:09
Operator : UM/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02003

Quant Time: Aug 18 01:28:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 00:53:15 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 | 131 | 0.00 |
| 2 | | 1,4-Dioxane | 0.485 | 0.477 | 1.6 | 128 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.453 | 0.425 | 6.2 | 119 | 0.00 |
| 4 | | Benzaldehyde | 1.065 | 1.249 | -17.3 | 132 | 0.00 |
| 5 | S | Phenol-d5 | 1.815 | 1.841 | -1.4 | 130 | 0.00 |
| 6 | | Phenol | 1.852 | 1.910 | -3.1 | 132 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.125 | 1.120 | 0.4 | 127 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.424 | 1.440 | -1.1 | 126 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.390 | 1.379 | 0.8 | 130 | 0.00 |
| 10 | | 2-Chlorophenol | 1.417 | 1.420 | -0.2 | 127 | 0.00 |
| 11 | | 2-Methylphenol | 1.436 | 1.486 | -3.5 | 130 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.286 | 1.978 | 13.5 | 108 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.525 | 1.587 | -4.1 | 133 | 0.00 |
| 14 | | Acetophenone | 2.203 | 2.358 | -7.0 | 131 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.264 | 1.275 | -0.9 | 129 | 0.00 |
| 16 | | 4-Methylphenol | 1.567 | 1.638 | -4.5 | 135 | 0.00 |
| 17 | | Hexachloroethane | 0.611 | 0.589 | 3.6 | 126 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.156 | 0.163 | -4.5 | 136 | 0.00 |
| 20 | | Nitrobenzene | 0.393 | 0.393 | 0.0 | 128 | 0.00 |
| 21 | | Isophorone | 0.757 | 0.770 | -1.7 | 130 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.159 | 0.164 | -3.1 | 129 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.176 | 0.184 | -4.5 | 134 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.395 | 0.396 | -0.3 | 131 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.472 | 0.476 | -0.8 | 128 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.337 | 0.352 | -4.5 | 136 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.316 | 0.319 | -0.9 | 130 | 0.00 |
| 28 | | Naphthalene | 1.057 | 1.074 | -1.6 | 128 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.381 | 0.477 | -25.2# | 136 | 0.00 |
| 30 | | 4-Chloroaniline | 0.387 | 0.470 | -21.4# | 131 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.199 | 0.192 | 3.5 | 124 | 0.00 |
| 32 | | Caprolactam | 0.127 | 0.149 | -17.3 | 149 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.366 | 0.400 | -9.3 | 142 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.766 | 0.790 | -3.1 | 131 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.748 | 0.797 | -6.6 | 134 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 147 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.641 | 0.599 | 6.6 | 132 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.382 | 0.343 | 10.2 | 124 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.437 | 0.423 | 3.2 | 135 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.470 | 0.459 | 2.3 | 137 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.669 | 1.605 | 3.8 | 134 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.297 | 1.249 | 3.7 | 136 | 0.00 |
| 43 | | 2-Nitroaniline | 0.419 | 0.423 | -1.0 | 144 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.683 | 1.682 | 0.1 | 142 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.660 | 1.647 | 0.8 | 139 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.331 | 0.345 | -4.2 | 145 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 2.119 | 2.093 | 1.2 | 137 | 0.00 |
| 48 | | Acenaphthylene | 2.125 | 2.124 | 0.0 | 138 | 0.00 |
| 49 | | 3-Nitroaniline | 0.337 | 0.413 | -22.6# | 162# | 0.00 |
| 50 | C | Acenaphthene | 1.491 | 1.478 | 0.9 | 139 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.161 | 0.158 | 1.9 | 152# | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.303 | 0.324 | -6.9 | 156# | 0.00 |
| 53 | | 4-Nitrophenol | 0.263 | 0.265 | -0.8 | 140 | 0.00 |
| 54 | | Dibenzofuran | 1.948 | 1.988 | -2.1 | 141 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.472 | 0.507 | -7.4 | 151# | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.409 | 0.406 | 0.7 | 137 | 0.00 |
| 57 | | Diethylphthalate | 1.764 | 1.763 | 0.1 | 143 | 0.00 |
| 58 | S | Fluorene-d10 | 1.466 | 1.482 | -1.1 | 142 | 0.00 |
| 59 | | Fluorene | 1.676 | 1.701 | -1.5 | 145 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.793 | 0.788 | 0.6 | 138 | 0.00 |
| 61 | | 4-Nitroaniline | 0.372 | 0.429 | -15.3 | 162# | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 147 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.098 | 0.106 | -8.2 | 159# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.105 | 0.105 | 0.0 | 151# | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.602 | 0.603 | -0.2 | 146 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.216 | 0.210 | 2.8 | 141 | 0.00 |
| 67 | | Hexachlorobenzene | 0.229 | 0.230 | -0.4 | 146 | 0.00 |
| 68 | | Atrazine | 0.225 | 0.255 | -13.3 | 155# | 0.00 |
| 69 | C | Pentachlorophenol | 0.153 | 0.136 | 11.1 | 130 | 0.00 |
| 70 | | Phenanthrene | 1.085 | 1.134 | -4.5 | 152# | 0.00 |
| 71 | S | Anthracene-d10 | 0.957 | 0.985 | -2.9 | 147 | 0.00 |
| 72 | | Anthracene | 1.106 | 1.164 | -5.2 | 151# | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.277 | 0.261 | 5.8 | 136 | 0.00 |
| 74 | | Pentachlorobenzene | 0.264 | 0.246 | 6.8 | 136 | 0.00 |
| 75 | | Carbazole | 0.970 | 1.122 | -15.7 | 155# | 0.00 |
| 76 | | Di-n-butylphthalate | 1.266 | 1.348 | -6.5 | 152# | 0.00 |
| 77 | C | Fluoranthene | 1.159 | 1.361 | -17.4 | 152# | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 159# | 0.00 |
| 79 | S | Pyrene-d10 | 1.038 | 1.029 | 0.9 | 149 | 0.00 |
| 80 | | Pyrene | 1.352 | 1.364 | -0.9 | 152# | 0.00 |
| 81 | | Butylbenzylphthalate | 0.572 | 0.584 | -2.1 | 157# | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.415 | 0.466 | -12.3 | 156# | 0.00 |
| 83 | | Benzo(a)anthracene | 1.240 | 1.236 | 0.3 | 152# | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.808 | 0.818 | -1.2 | 155# | 0.00 |
| 85 | | Chrysene | 1.159 | 1.169 | -0.9 | 155# | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 160# | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.290 | 1.414 | -9.6 | 154# | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.257 | 1.248 | 0.7 | 153# | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.210 | 1.194 | 1.3 | 154# | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.062 | 1.060 | 0.2 | 154# | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.195 | 1.183 | 1.0 | 151# | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.383 | 1.372 | 0.8 | 154# | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.148 | 1.134 | 1.2 | 155# | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.161 | 1.132 | 2.5 | 153# | 0.00 |

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