# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081315\
Data File : BG018426.D
Acq On : 13 Aug 2015 14:08
Operator : UM/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02097

Quant Time: Aug 14 00:51:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 02:05:44 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 | 161# | 0.00 |
| 2 | | 1,4-Dioxane | 0.485 | 0.469 | 3.3 | 154# | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.453 | 0.417 | 7.9 | 144 | 0.00 |
| 4 | | Benzaldehyde | 1.065 | 1.215 | -14.1 | 157# | 0.00 |
| 5 | S | Phenol-d5 | 1.815 | 1.865 | -2.8 | 161# | 0.00 |
| 6 | | Phenol | 1.852 | 1.882 | -1.6 | 159# | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.125 | 1.117 | 0.7 | 155# | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.424 | 1.475 | -3.6 | 158# | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.390 | 1.391 | -0.1 | 161# | 0.00 |
| 10 | | 2-Chlorophenol | 1.417 | 1.442 | -1.8 | 158# | 0.00 |
| 11 | | 2-Methylphenol | 1.436 | 1.492 | -3.9 | 160# | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.286 | 1.976 | 13.6 | 132 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.525 | 1.568 | -2.8 | 161# | 0.00 |
| 14 | | Acetophenone | 2.203 | 2.351 | -6.7 | 161# | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.264 | 1.293 | -2.3 | 160# | 0.00 |
| 16 | | 4-Methylphenol | 1.567 | 1.656 | -5.7 | 168# | 0.00 |
| 17 | | Hexachloroethane | 0.611 | 0.587 | 3.9 | 154# | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 162# | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.156 | 0.168 | -7.7 | 169# | 0.00 |
| 20 | | Nitrobenzene | 0.393 | 0.398 | -1.3 | 157# | 0.00 |
| 21 | | Isophorone | 0.757 | 0.781 | -3.2 | 161# | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.159 | 0.182 | -14.5 | 175# | 0.00 |
| 23 | C | 2-Nitrophenol | 0.176 | 0.196 | -11.4 | 173# | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.395 | 0.406 | -2.8 | 164# | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.472 | 0.478 | -1.3 | 156# | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.337 | 0.353 | -4.7 | 166# | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.316 | 0.330 | -4.4 | 163# | 0.00 |
| 28 | | Naphthalene | 1.057 | 1.086 | -2.7 | 158# | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.381 | 0.472 | -23.9# | 164# | 0.00 |
| 30 | | 4-Chloroaniline | 0.387 | 0.483 | -24.8# | 164# | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.199 | 0.204 | -2.5 | 160# | 0.00 |
| 32 | | Caprolactam | 0.127 | 0.144 | -13.4 | 174# | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.366 | 0.395 | -7.9 | 171# | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.766 | 0.804 | -5.0 | 162# | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.748 | 0.799 | -6.8 | 163# | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 167# | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.641 | 0.652 | -1.7 | 163# | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.382 | 0.403 | -5.5 | 165# | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.437 | 0.467 | -6.9 | 169# | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.470 | 0.502 | -6.8 | 170# | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.669 | 1.738 | -4.1 | 164# | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.297 | 1.314 | -1.3 | 162# | 0.00 |
| 43 | | 2-Nitroaniline | 0.419 | 0.435 | -3.8 | 168# | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.683 | 1.750 | -4.0 | 167# | 0.00 |

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**Instrument :** BNA_G
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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.660 | 1.694 | -2.0 | 162# | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.331 | 0.379 | -14.5 | 181# | 0.00 |
| 47 | S | Acenaphthylene-d8 | 2.119 | 2.190 | -3.4 | 162# | 0.00 |
| 48 | | Acenaphthylene | 2.125 | 2.202 | -3.6 | 163# | 0.00 |
| 49 | | 3-Nitroaniline | 0.337 | 0.410 | -21.7# | 183# | 0.00 |
| 50 | C | Acenaphthene | 1.491 | 1.539 | -3.2 | 165# | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.161 | 0.180 | -11.8 | 197# | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.303 | 0.344 | -13.5 | 187# | 0.00 |
| 53 | | 4-Nitrophenol | 0.263 | 0.271 | -3.0 | 162# | 0.00 |
| 54 | | Dibenzofuran | 1.948 | 2.021 | -3.7 | 163# | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.472 | 0.544 | -15.3 | 183# | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.409 | 0.446 | -9.0 | 171# | 0.00 |
| 57 | | Diethylphthalate | 1.764 | 1.817 | -3.0 | 167# | 0.00 |
| 58 | S | Fluorene-d10 | 1.466 | 1.549 | -5.7 | 169# | 0.00 |
| 59 | | Fluorene | 1.676 | 1.757 | -4.8 | 170# | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.793 | 0.843 | -6.3 | 167# | 0.00 |
| 61 | | 4-Nitroaniline | 0.372 | 0.410 | -10.2 | 176# | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 165# | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.098 | 0.118 | -20.4# | 199# | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.105 | 0.125 | -19.0 | 203# | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.602 | 0.627 | -4.2 | 170# | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.216 | 0.225 | -4.2 | 170# | 0.00 |
| 67 | | Hexachlorobenzene | 0.229 | 0.241 | -5.2 | 172# | 0.00 |
| 68 | | Atrazine | 0.225 | 0.261 | -16.0 | 178# | 0.00 |
| 69 | C | Pentachlorophenol | 0.153 | 0.153 | 0.0 | 164# | 0.00 |
| 70 | | Phenanthrene | 1.085 | 1.129 | -4.1 | 170# | 0.00 |
| 71 | S | Anthracene-d10 | 0.957 | 0.993 | -3.8 | 166# | 0.00 |
| 72 | | Anthracene | 1.106 | 1.140 | -3.1 | 166# | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.277 | 0.295 | -6.5 | 172# | 0.00 |
| 74 | | Pentachlorobenzene | 0.264 | 0.275 | -4.2 | 171# | 0.00 |
| 75 | | Carbazole | 0.970 | 1.110 | -14.4 | 172# | 0.00 |
| 76 | | Di-n-butylphthalate | 1.266 | 1.328 | -4.9 | 168# | 0.00 |
| 77 | C | Fluoranthene | 1.159 | 1.349 | -16.4 | 169# | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 174# | 0.00 |
| 79 | S | Pyrene-d10 | 1.038 | 1.072 | -3.3 | 170# | 0.00 |
| 80 | | Pyrene | 1.352 | 1.366 | -1.0 | 166# | 0.00 |
| 81 | | Butylbenzylphthalate | 0.572 | 0.596 | -4.2 | 175# | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.415 | 0.487 | -17.3 | 178# | 0.00 |
| 83 | | Benzo(a)anthracene | 1.240 | 1.278 | -3.1 | 171# | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.808 | 0.843 | -4.3 | 174# | 0.00 |
| 85 | | Chrysene | 1.159 | 1.187 | -2.4 | 171# | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 174# | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.290 | 1.440 | -11.6 | 171# | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.257 | 1.300 | -3.4 | 174# | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.210 | 1.235 | -2.1 | 173# | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.062 | 1.109 | -4.4 | 176# | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.195 | 1.224 | -2.4 | 171# | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.383 | 1.417 | -2.5 | 174# | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.148 | 1.182 | -3.0 | 176# | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.161 | 1.186 | -2.2 | 175# | 0.00 |

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