# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

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

Quant Time: Dec 17 00:23:45 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
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 | 145 | 0.00 |
| 2 | | 1,4-Dioxane | 0.504 | 0.438 | 13.1 | 130 | 0.01 |
| 3 | S | 1,4-Dioxane-d8 | 0.387 | 0.374 | 3.4 | 142 | 0.01 |
| 4 | | Benzaldehyde | 1.299 | 1.351 | -4.0 | 145 | 0.00 |
| 5 | S | Phenol-d5 | 1.725 | 1.723 | 0.1 | 145 | 0.01 |
| 6 | | Phenol | 1.771 | 1.754 | 1.0 | 140 | 0.01 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.067 | 1.083 | -1.5 | 146 | 0.01 |
| 8 | | Bis(2-Chloroethyl)ether | 1.296 | 1.241 | 4.2 | 143 | 0.01 |
| 9 | S | 2-Chlorophenol-d4 | 1.207 | 1.199 | 0.7 | 142 | 0.01 |
| 10 | | 2-Chlorophenol | 1.213 | 1.225 | -1.0 | 145 | 0.02 |
| 11 | | 2-Methylphenol | 1.304 | 1.266 | 2.9 | 141 | 0.01 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.204 | 2.183 | 1.0 | 141 | 0.02 |
| 13 | S | 4-Methylphenol-d8 | 1.442 | 1.386 | 3.9 | 142 | 0.01 |
| 14 | | Acetophenone | 2.194 | 2.116 | 3.6 | 142 | 0.01 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.267 | 1.283 | -1.3 | 144 | 0.01 |
| 16 | | 4-Methylphenol | 1.451 | 1.446 | 0.3 | 154# | 0.00 |
| 17 | | Hexachloroethane | 0.537 | 0.595 | -10.8 | 157# | 0.01 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 143 | 0.01 |
| 19 | S | Nitrobenzene-d5 | 0.142 | 0.146 | -2.8 | 147 | 0.00 |
| 20 | | Nitrobenzene | 0.435 | 0.451 | -3.7 | 152# | 0.01 |
| 21 | | Isophorone | 0.824 | 0.807 | 2.1 | 138 | 0.01 |
| 22 | S | 2-Nitrophenol-d4 | 0.177 | 0.178 | -0.6 | 147 | 0.01 |
| 23 | C | 2-Nitrophenol | 0.179 | 0.185 | -3.4 | 148 | 0.01 |
| 24 | | 2,4-Dimethylphenol | 0.410 | 0.416 | -1.5 | 140 | 0.01 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.420 | 0.425 | -1.2 | 141 | 0.01 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.340 | 0.353 | -3.8 | 147 | 0.01 |
| 27 | C | 2,4-Dichlorophenol | 0.330 | 0.337 | -2.1 | 143 | 0.00 |
| 28 | | Naphthalene | 0.930 | 0.933 | -0.3 | 143 | 0.01 |
| 29 | S | 4-Chloroaniline-d4 | 0.334 | 0.379 | -13.5 | 161# | 0.00 |
| 30 | | 4-Chloroaniline | 0.341 | 0.374 | -9.7 | 153# | 0.01 |
| 31 | C | Hexachlorobutadiene | 0.283 | 0.302 | -6.7 | 151# | 0.02 |
| 32 | | Caprolactam | 0.137 | 0.124 | 9.5 | 131 | 0.01 |
| 33 | C | 4-Chloro-3-methylphenol | 0.406 | 0.381 | 6.2 | 133 | 0.01 |
| 34 | | 2-Methylnaphthalene | 0.734 | 0.724 | 1.4 | 136 | 0.02 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 132 | 0.01 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.603 | 0.650 | -7.8 | 146 | 0.01 |
| 37 | | Hexachlorocyclopentadiene | 0.354 | 0.410 | -15.8 | 166# | 0.01 |
| 38 | C | 2,4,6-Trichlorophenol | 0.379 | 0.403 | -6.3 | 143 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.415 | 0.440 | -6.0 | 137 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.213 | 1.260 | -3.9 | 135 | 0.01 |
| 41 | | 2-Chloronaphthalene | 0.965 | 0.995 | -3.1 | 140 | 0.00 |
| 42 | | 2-Nitroaniline | 0.378 | 0.404 | -6.9 | 135 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.376 | 1.365 | 0.8 | 127 | 0.00 |
| 44 | | Dimethylphthalate | 1.352 | 1.339 | 1.0 | 129 | 0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.291 | 0.297 | -2.1 | 131 | 0.01 |
| 46 | S | Acenaphthylene-d8 | 1.507 | 1.533 | -1.7 | 133 | 0.00 |
| 47 | | Acenaphthylene | 1.465 | 1.472 | -0.5 | 129 | 0.00 |
| 48 | | 3-Nitroaniline | 0.252 | 0.275 | -9.1 | 138 | 0.00 |
| 49 | C | Acenaphthene | 1.004 | 1.030 | -2.6 | 135 | 0.01 |
| 50 | | 2,4-Dinitrophenol | 0.189 | 0.185 | 2.1 | 145 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.236 | 0.228 | 3.4 | 125 | 0.00 |
| 52 | | 4-Nitrophenol | 0.284 | 0.292 | -2.8 | 138 | 0.00 |
| 53 | | Dibenzofuran | 1.587 | 1.575 | 0.8 | 130 | 0.01 |
| 54 | | 2,4-Dinitrotoluene | 0.438 | 0.426 | 2.7 | 127 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.439 | 0.431 | 1.8 | 128 | 0.01 |
| 56 | | Diethylphthalate | 1.432 | 1.395 | 2.6 | 125 | 0.01 |
| 57 | S | Fluorene-d10 | 1.295 | 1.279 | 1.2 | 128 | 0.01 |
| 58 | | Fluorene | 1.292 | 1.291 | 0.1 | 129 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.728 | 0.708 | 2.7 | 127 | 0.01 |
| 60 | | 4-Nitroaniline | 0.303 | 0.285 | 5.9 | 124 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 124 | 0.01 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.124 | 0.134 | -8.1 | 142 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.128 | 0.146 | -14.1 | 147 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.515 | 0.526 | -2.1 | 125 | 0.01 |
| 65 | | 4-Bromophenyl-phenylether | 0.226 | 0.238 | -5.3 | 131 | 0.01 |
| 66 | | Hexachlorobenzene | 0.254 | 0.272 | -7.1 | 130 | 0.01 |
| 67 | | Atrazine | 0.245 | 0.250 | -2.0 | 123 | 0.01 |
| 68 | C | Pentachlorophenol | 0.153 | 0.163 | -6.5 | 138 | 0.00 |
| 69 | | Phenanthrene | 0.955 | 0.977 | -2.3 | 121 | 0.01 |
| 70 | S | Anthracene-d10 | 0.844 | 0.860 | -1.9 | 123 | 0.01 |
| 71 | | Anthracene | 0.981 | 1.000 | -1.9 | 120 | 0.01 |
| 72 | | Carbazole | 0.819 | 0.864 | -5.5 | 121 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.034 | 1.077 | -4.2 | 124 | 0.00 |
| 74 | C | Fluoranthene | 1.134 | 1.240 | -9.3 | 120 | 0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 127 | 0.01 |
| 76 | S | Pyrene-d10 | 0.824 | 0.809 | 1.8 | 121 | 0.01 |
| 77 | | Pyrene | 0.961 | 0.936 | 2.6 | 118 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.376 | 0.393 | -4.5 | 127 | 0.01 |
| 79 | | 3,3'-Dichlorobenzidine | 0.349 | 0.406 | -16.3 | 141 | 0.01 |
| 80 | | Benzo(a)anthracene | 1.039 | 1.056 | -1.6 | 124 | 0.01 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.518 | 0.562 | -8.5 | 134 | 0.02 |
| 82 | | Chrysene | 0.972 | 0.984 | -1.2 | 124 | 0.01 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 128 | 0.02 |
| 84 | | Di-n-octyl phthalate | 0.812 | 0.898 | -10.6 | 131 | 0.02 |
| 85 | | Benzo(b)fluoranthene | 0.992 | 1.028 | -3.6 | 129 | 0.01 |
| 86 | | Benzo(k)fluoranthene | 0.943 | 0.973 | -3.2 | 129 | 0.01 |
| 87 | S | Benzo(a)pyrene-d12 | 0.810 | 0.842 | -4.0 | 130 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 0.954 | 0.986 | -3.4 | 129 | 0.02 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.185 | 1.254 | -5.8 | 134 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.998 | 1.043 | -4.5 | 133 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 0.989 | 1.033 | -4.4 | 132 | 0.02 |

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