# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020217\
Data File : BG025762.D
Acq On : 2 Feb 2017 17:13
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02028

Quant Time: Feb 02 17:52:04 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 02 17:13:44 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 | 169# | 0.00 |
| 2 | | 1,4-Dioxane | 0.472 | 0.483 | -2.3 | 183# | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.400 | 0.362 | 9.5 | 164# | 0.00 |
| 4 | | Benzaldehyde | 1.180 | 1.443 | -22.3# | 164# | 0.00 |
| 5 | S | Phenol-d5 | 1.714 | 1.709 | 0.3 | 165# | 0.00 |
| 6 | | Phenol | 1.801 | 1.781 | 1.1 | 165# | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.107 | 1.215 | -9.8 | 169# | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.286 | 1.412 | -9.8 | 176# | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.209 | 1.278 | -5.7 | 169# | 0.00 |
| 10 | | 2-Chlorophenol | 1.197 | 1.233 | -3.0 | 165# | 0.00 |
| 11 | | 2-Methylphenol | 1.341 | 1.352 | -0.8 | 172# | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.443 | 2.785 | -14.0 | 184# | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.457 | 1.426 | 2.1 | 164# | 0.00 |
| 14 | | Acetophenone | 2.276 | 2.267 | 0.4 | 164# | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.362 | 1.329 | 2.4 | 154# | 0.00 |
| 16 | | 4-Methylphenol | 1.471 | 1.438 | 2.2 | 159# | 0.00 |
| 17 | | Hexachloroethane | 0.558 | 0.623 | -11.6 | 187# | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 171# | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.142 | 0.141 | 0.7 | 157# | 0.00 |
| 20 | | Nitrobenzene | 0.454 | 0.432 | 4.8 | 152# | 0.00 |
| 21 | | Isophorone | 0.853 | 0.786 | 7.9 | 150 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.169 | 0.167 | 1.2 | 157# | 0.00 |
| 23 | C | 2-Nitrophenol | 0.173 | 0.172 | 0.6 | 167# | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.416 | 0.390 | 6.2 | 152# | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.430 | 0.430 | 0.0 | 164# | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.334 | 0.313 | 6.3 | 153# | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.324 | 0.292 | 9.9 | 145 | 0.00 |
| 28 | | Naphthalene | 0.923 | 0.929 | -0.7 | 164# | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.373 | 0.383 | -2.7 | 152# | 0.00 |
| 30 | | 4-Chloroaniline | 0.376 | 0.379 | -0.8 | 153# | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.283 | 0.255 | 9.9 | 148 | 0.00 |
| 32 | | Caprolactam | 0.136 | 0.114 | 16.2 | 138 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.394 | 0.363 | 7.9 | 143 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.754 | 0.713 | 5.4 | 152# | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 156# | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.602 | 0.585 | 2.8 | 136 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.238 | 0.168 | 29.4# | 134 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.365 | 0.348 | 4.7 | 133 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.382 | 0.350 | 8.4 | 130 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.239 | 1.270 | -2.5 | 146 | 0.00 |
| 41 | | 2-Chloronaphthalene | 0.962 | 0.997 | -3.6 | 151# | 0.00 |
| 42 | | 2-Nitroaniline | 0.417 | 0.405 | 2.9 | 138 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.412 | 1.279 | 9.4 | 124 | 0.00 |
| 44 | | Dimethylphthalate | 1.389 | 1.243 | 10.5 | 125 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.286 | 0.270 | 5.6 | 134 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.526 | 1.538 | -0.8 | 142 | 0.00 |
| 47 | | Acenaphthylene | 1.485 | 1.535 | -3.4 | 143 | 0.00 |
| 48 | | 3-Nitroaniline | 0.259 | 0.272 | -5.0 | 145 | 0.00 |
| 49 | C | Acenaphthene | 1.058 | 1.043 | 1.4 | 138 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.168 | 0.156 | 7.1 | 156# | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.194 | 0.148 | 23.7# | 109 | 0.00 |
| 52 | | 4-Nitrophenol | 0.268 | 0.175 | 34.7# | 96 | 0.00 |
| 53 | | Dibenzofuran | 1.626 | 1.580 | 2.8 | 138 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.436 | 0.391 | 10.3 | 131 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.405 | 0.344 | 15.1 | 120 | 0.00 |
| 56 | | Diethylphthalate | 1.501 | 1.311 | 12.7 | 123 | 0.00 |
| 57 | S | Fluorene-d10 | 1.331 | 1.243 | 6.6 | 132 | 0.00 |
| 58 | | Fluorene | 1.328 | 1.305 | 1.7 | 140 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.749 | 0.667 | 10.9 | 125 | 0.00 |
| 60 | | 4-Nitroaniline | 0.250 | 0.263 | -5.2 | 143 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.104 | 15.4 | 120 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.127 | 0.106 | 16.5 | 111 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.516 | 0.516 | 0.0 | 125 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.232 | 0.208 | 10.3 | 112 | 0.00 |
| 66 | | Hexachlorobenzene | 0.264 | 0.240 | 9.1 | 118 | 0.00 |
| 67 | | Atrazine | 0.242 | 0.232 | 4.1 | 119 | 0.00 |
| 68 | C | Pentachlorophenol | 0.110 | 0.092 | 16.4 | 126 | 0.00 |
| 69 | | Phenanthrene | 0.972 | 0.990 | -1.9 | 126 | 0.00 |
| 70 | S | Anthracene-d10 | 0.852 | 0.859 | -0.8 | 126 | 0.00 |
| 71 | | Anthracene | 0.977 | 1.027 | -5.1 | 129 | 0.00 |
| 72 | | Carbazole | 0.811 | 0.870 | -7.3 | 127 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.048 | 1.100 | -5.0 | 130 | 0.00 |
| 74 | C | Fluoranthene | 1.148 | 1.214 | -5.7 | 121 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 76 | S | Pyrene-d10 | 0.832 | 0.848 | -1.9 | 119 | 0.00 |
| 77 | | Pyrene | 0.983 | 1.021 | -3.9 | 121 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.382 | 0.423 | -10.7 | 134 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.367 | 0.387 | -5.4 | 118 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.057 | 1.057 | 0.0 | 119 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.534 | 0.607 | -13.7 | 135 | 0.00 |
| 82 | | Chrysene | 0.994 | 0.988 | 0.6 | 117 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.858 | 1.016 | -18.4 | 135 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.035 | 1.008 | 2.6 | 117 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 0.971 | 1.014 | -4.4 | 121 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.841 | 0.838 | 0.4 | 119 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 0.979 | 0.997 | -1.8 | 122 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.240 | 1.197 | 3.5 | 117 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.033 | 0.984 | 4.7 | 113 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.018 | 0.973 | 4.4 | 115 | 0.00 |

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