# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG032216\
Data File : BG021464.D
Acq On : 22 Mar 2016 6:14
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 23 01:21:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 22 01:42:49 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 | 117 | 0.00 |
| 2 | | 1,4-Dioxane | 0.602 | 0.677 | -12.5 | 118 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.446 | 0.502 | -12.6 | 104 | 0.00 |
| 4 | | Benzaldehyde | 1.152 | 1.368 | -18.8 | 117 | 0.00 |
| 5 | S | Phenol-d5 | 1.891 | 2.044 | -8.1 | 117 | 0.00 |
| 6 | | Phenol | 1.999 | 2.167 | -8.4 | 120 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.120 | 1.263 | -12.8 | 124 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.447 | 1.577 | -9.0 | 115 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.436 | 1.584 | -10.3 | 120 | 0.00 |
| 10 | | 2-Chlorophenol | 1.476 | 1.634 | -10.7 | 120 | 0.00 |
| 11 | | 2-Methylphenol | 1.538 | 1.670 | -8.6 | 121 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.745 | 1.911 | -9.5 | 118 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.619 | 1.989 | -22.9# | 137 | 0.00 |
| 14 | | Acetophenone | 2.642 | 2.988 | -13.1 | 126 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.465 | 1.716 | -17.1 | 125 | 0.00 |
| 16 | | 4-Methylphenol | 1.745 | 1.898 | -8.8 | 122 | 0.00 |
| 17 | | Hexachloroethane | 0.619 | 0.672 | -8.6 | 117 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.150 | 0.164 | -9.3 | 127 | 0.00 |
| 20 | | Nitrobenzene | 0.424 | 0.456 | -7.5 | 123 | 0.00 |
| 21 | | Isophorone | 0.817 | 0.861 | -5.4 | 123 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.172 | 0.185 | -7.6 | 126 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.189 | 0.199 | -5.3 | 121 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.427 | 0.457 | -7.0 | 123 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.426 | 0.455 | -6.8 | 124 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.307 | 0.345 | -12.4 | 132 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.318 | 0.353 | -11.0 | 130 | 0.00 |
| 28 | | Naphthalene | 1.060 | 1.117 | -5.4 | 123 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.401 | 0.468 | -16.7 | 128 | 0.00 |
| 30 | | 4-Chloroaniline | 0.421 | 0.480 | -14.0 | 128 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.234 | 0.247 | -5.6 | 123 | 0.00 |
| 32 | | Caprolactam | 0.120 | 0.108 | 10.0 | 110 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.389 | 0.426 | -9.5 | 128 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.787 | 0.851 | -8.1 | 126 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.764 | 0.814 | -6.5 | 124 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.700 | 0.762 | -8.9 | 126 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.256 | 0.210 | 18.0 | 134 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.412 | 0.462 | -12.1 | 130 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.449 | 0.503 | -12.0 | 131 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.636 | 1.765 | -7.9 | 123 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.280 | 1.384 | -8.1 | 126 | 0.00 |
| 43 | | 2-Nitroaniline | 0.446 | 0.470 | -5.4 | 122 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.665 | 1.732 | -4.0 | 122 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.730 | 1.781 | -2.9 | 121 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.353 | 0.366 | -3.7 | 118 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 2.053 | 2.235 | -8.9 | 127 | 0.00 |
| 48 | | Acenaphthylene | 2.034 | 2.218 | -9.0 | 126 | 0.00 |
| 49 | | 3-Nitroaniline | 0.327 | 0.331 | -1.2 | 113 | 0.00 |
| 50 | C | Acenaphthene | 1.403 | 1.521 | -8.4 | 125 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.178 | 0.122 | 31.5# | 91 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.266 | 0.192 | 27.8# | 108 | 0.00 |
| 53 | | 4-Nitrophenol | 0.276 | 0.236 | 14.5 | 102 | 0.00 |
| 54 | | Dibenzofuran | 1.965 | 2.076 | -5.6 | 124 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.518 | 0.516 | 0.4 | 114 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.328 | 0.353 | -7.6 | 123 | 0.00 |
| 57 | | Diethylphthalate | 1.849 | 1.769 | 4.3 | 112 | 0.00 |
| 58 | S | Fluorene-d10 | 1.501 | 1.564 | -4.2 | 122 | 0.00 |
| 59 | | Fluorene | 1.718 | 1.774 | -3.3 | 120 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.902 | 0.932 | -3.3 | 122 | 0.00 |
| 61 | | 4-Nitroaniline | 0.342 | 0.318 | 7.0 | 107 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.132 | 0.122 | 7.6 | 101 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.140 | 0.138 | 1.4 | 108 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.620 | 0.710 | -14.5 | 119 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.234 | 0.262 | -12.0 | 117 | 0.00 |
| 67 | | Hexachlorobenzene | 0.246 | 0.285 | -15.9 | 118 | 0.00 |
| 68 | | Atrazine | 0.250 | 0.258 | -3.2 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 0.065 | 0.045 | 30.8# | 83 | 0.00 |
| 70 | | Phenanthrene | 1.133 | 1.214 | -7.1 | 110 | 0.00 |
| 71 | S | Anthracene-d10 | 0.980 | 1.030 | -5.1 | 109 | 0.00 |
| 72 | | Anthracene | 1.152 | 1.244 | -8.0 | 110 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.280 | 0.355 | -26.8# | 130 | 0.00 |
| 74 | | Pentachlorobenzene | 0.291 | 0.361 | -24.1# | 126 | 0.00 |
| 75 | | Carbazole | 0.997 | 1.019 | -2.2 | 105 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.286 | 1.310 | -1.9 | 104 | 0.00 |
| 77 | C | Fluoranthene | 1.367 | 1.423 | -4.1 | 106 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 79 | S | Pyrene-d10 | 0.933 | 0.979 | -4.9 | 105 | 0.00 |
| 80 | | Pyrene | 1.192 | 1.254 | -5.2 | 106 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.503 | 0.534 | -6.2 | 109 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.415 | 0.458 | -10.4 | 107 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.207 | 1.334 | -10.5 | 110 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.736 | 0.781 | -6.1 | 107 | 0.00 |
| 85 | | Chrysene | 1.143 | 1.239 | -8.4 | 110 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.01 |
| 87 | | Di-n-octyl phthalate | 1.358 | 1.438 | -5.9 | 108 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.285 | 1.396 | -8.6 | 108 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.262 | 1.380 | -9.4 | 111 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 0.923 | 0.989 | -7.2 | 108 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.247 | 1.357 | -8.8 | 109 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.417 | 1.534 | -8.3 | 109 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.206 | 1.296 | -7.5 | 108 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.166 | 1.253 | -7.5 | 108 | 0.01 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1