# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021872.D
Acq On : 12 May 2016 17:14
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02020

Quant Time: May 13 06:05:20 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 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 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 0.768 | 0.723 | 5.9 | 100 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.414 | 0.316 | 23.7# | 75 | 0.00 |
| 4 | | Benzaldehyde | 0.161 | 0.903 | -460.9# | 596# | 0.00 |
| 5 | S | Phenol-d5 | 1.484 | 1.621 | -9.2 | 122 | 0.00 |
| 6 | | Phenol | 1.578 | 1.670 | -5.8 | 108 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.736 | 0.796 | -8.2 | 111 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.285 | 1.284 | 0.1 | 96 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.152 | 1.470 | -27.6# | 123 | 0.00 |
| 10 | | 2-Chlorophenol | 1.161 | 1.501 | -29.3# | 125 | 0.00 |
| 11 | | 2-Methylphenol | 1.241 | 1.382 | -11.4 | 119 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.128 | 1.186 | -5.1 | 99 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.247 | 1.491 | -19.6 | 127 | 0.00 |
| 14 | | Acetophenone | 2.054 | 2.124 | -3.4 | 105 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.928 | 1.001 | -7.9 | 103 | 0.00 |
| 16 | | 4-Methylphenol | 1.371 | 1.551 | -13.1 | 120 | 0.00 |
| 17 | | Hexachloroethane | 0.514 | 0.512 | 0.4 | 102 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.131 | 0.148 | -13.0 | 101 | 0.00 |
| 20 | | Nitrobenzene | 0.254 | 0.258 | -1.6 | 98 | 0.00 |
| 21 | | Isophorone | 0.590 | 0.618 | -4.7 | 100 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.083 | 0.183 | -120.5# | 222# | 0.00 |
| 23 | C | 2-Nitrophenol | 0.100 | 0.196 | -96.0# | 200# | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.251 | 0.304 | -21.1# | 111 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.354 | 0.368 | -4.0 | 104 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.235 | 0.331 | -40.9# | 129 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.239 | 0.323 | -35.1# | 125 | 0.00 |
| 28 | | Naphthalene | 1.003 | 1.008 | -0.5 | 98 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.253 | 0.415 | -64.0# | 141 | 0.00 |
| 30 | | 4-Chloroaniline | 0.256 | 0.402 | -57.0# | 142 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.162 | 0.162 | 0.0 | 100 | 0.00 |
| 32 | | Caprolactam | 0.101 | 0.120 | -18.8 | 115 | -0.01 |
| 33 | C | 4-Chloro-3-methylphenol | 0.242 | 0.317 | -31.0# | 116 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.738 | 0.774 | -4.9 | 103 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.732 | 0.760 | -3.8 | 100 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.555 | 0.601 | -8.3 | 102 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.282 | 0.263 | 6.7 | 99 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.265 | 0.435 | -64.2# | 152# | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.371 | 0.471 | -27.0# | 111 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.558 | 1.583 | -1.6 | 95 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.181 | 1.208 | -2.3 | 94 | 0.00 |
| 43 | | 2-Nitroaniline | 0.194 | 0.238 | -22.7# | 110 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.405 | 1.533 | -9.1 | 98 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.431 | 1.545 | -8.0 | 95 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.282 | 0.339 | -20.2# | 108 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.994 | 2.007 | -0.7 | 93 | 0.00 |
| 48 | | Acenaphthylene | 2.047 | 2.106 | -2.9 | 94 | 0.00 |
| 49 | | 3-Nitroaniline | 0.320 | 0.377 | -17.8 | 106 | 0.00 |
| 50 | C | Acenaphthene | 1.420 | 1.413 | 0.5 | 93 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.064 | 0.004 | 93.8# | 9# | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.241 | 0.263 | -9.1 | 114 | 0.00 |
| 53 | | 4-Nitrophenol | 0.110 | 0.110 | 0.0 | 105 | 0.00 |
| 54 | | Dibenzofuran | 1.904 | 1.873 | 1.6 | 91 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.391 | 0.450 | -15.1 | 103 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.262 | 0.279 | -6.5 | 99 | 0.00 |
| 57 | | Diethylphthalate | 1.395 | 1.546 | -10.8 | 98 | 0.00 |
| 58 | S | Fluorene-d10 | 1.479 | 1.454 | 1.7 | 91 | 0.00 |
| 59 | | Fluorene | 1.646 | 1.602 | 2.7 | 90 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.743 | 0.756 | -1.7 | 92 | 0.00 |
| 61 | | 4-Nitroaniline | 0.366 | 0.354 | 3.3 | 89 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.055 | 0.017 | 69.1# | 39 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.060 | 0.016 | 73.3# | 33 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.584 | 0.618 | -5.8 | 89 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.221 | -5.7 | 92 | 0.00 |
| 67 | | Hexachlorobenzene | 0.241 | 0.261 | -8.3 | 94 | 0.00 |
| 68 | | Atrazine | 0.168 | 0.217 | -29.2# | 113 | 0.00 |
| 69 | C | Pentachlorophenol | 0.092 | 0.037 | 59.8# | 43 | 0.00 |
| 70 | | Phenanthrene | 1.093 | 1.113 | -1.8 | 86 | 0.00 |
| 71 | S | Anthracene-d10 | 0.974 | 0.932 | 4.3 | 84 | 0.00 |
| 72 | | Anthracene | 1.111 | 1.120 | -0.8 | 83 | 0.00 |
| 73 | | Carbazole | 0.963 | 0.984 | -2.2 | 83 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.875 | 1.202 | -37.4# | 107 | 0.00 |
| 75 | C | Fluoranthene | 1.242 | 1.168 | 6.0 | 80 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 77 | S | Pyrene-d10 | 0.936 | 0.971 | -3.7 | 79 | 0.00 |
| 78 | | Pyrene | 1.157 | 1.233 | -6.6 | 81 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.256 | 0.523 | -104.3# | 167# | 0.00 |
| 80 | | 3,3'-Dichlorobenzidine | 0.330 | 0.444 | -34.5# | 108 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.113 | 1.166 | -4.8 | 79 | 0.00 |
| 82 | | Bis(2-ethylhexyl)phthalate | 0.418 | 0.782 | -87.1# | 145 | 0.00 |
| 83 | | Chrysene | 1.101 | 1.080 | 1.9 | 77 | 0.00 |
| 84 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 85 | | Di-n-octyl phthalate | 0.825 | 1.363 | -65.2# | 160# | 0.00 |
| 86 | | Benzo(b)fluoranthene | 1.145 | 1.164 | -1.7 | 84 | 0.00 |
| 87 | | Benzo(k)fluoranthene | 1.226 | 1.137 | 7.3 | 75 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 88 | S | Benzo(a)pyrene-d12 | 0.950 | 0.928 | 2.3 | 79 | 0.00 |
| 89 | C | Benzo(a)pyrene | 1.140 | 1.122 | 1.6 | 79 | 0.00 |
| 90 | | Indeno(1,2,3-cd)pyrene | 1.351 | 1.413 | -4.6 | 85 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.124 | 1.160 | -3.2 | 84 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.115 | 1.143 | -2.5 | 84 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 5