# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122415\
Data File : BG020474.D
Acq On : 24 Dec 2015 14:54
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02023

Quant Time: Dec 25 02:16:08 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 14:18:06 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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.416 | 0.554 | -33.2# | 107 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.363 | 0.373 | -2.8 | 84 | 0.00 |
| 4 | | Benzaldehyde | 0.973 | 1.155 | -18.7 | 89 | 0.00 |
| 5 | S | Phenol-d5 | 1.605 | 1.745 | -8.7 | 89 | 0.00 |
| 6 | | Phenol | 1.671 | 1.871 | -12.0 | 94 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.951 | 1.079 | -13.5 | 92 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.218 | 1.350 | -10.8 | 93 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.231 | 1.399 | -13.6 | 90 | 0.00 |
| 10 | | 2-Chlorophenol | 1.285 | 1.462 | -13.8 | 90 | 0.00 |
| 11 | | 2-Methylphenol | 1.297 | 1.461 | -12.6 | 93 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.579 | 1.801 | -14.1 | 91 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.350 | 1.590 | -17.8 | 96 | 0.00 |
| 14 | | Acetophenone | 2.164 | 2.524 | -16.6 | 94 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.094 | 1.294 | -18.3 | 94 | 0.00 |
| 16 | | 4-Methylphenol | 1.407 | 1.625 | -15.5 | 94 | 0.00 |
| 17 | | Hexachloroethane | 0.543 | 0.624 | -14.9 | 93 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.157 | 0.174 | -10.8 | 94 | 0.00 |
| 20 | | Nitrobenzene | 0.391 | 0.418 | -6.9 | 90 | 0.00 |
| 21 | | Isophorone | 0.738 | 0.816 | -10.6 | 93 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.178 | 0.194 | -9.0 | 91 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.188 | 0.209 | -11.2 | 96 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.400 | 0.441 | -10.2 | 91 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.410 | 0.447 | -9.0 | 92 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.345 | 0.380 | -10.1 | 91 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.354 | 0.392 | -10.7 | 92 | 0.00 |
| 28 | | Naphthalene | 1.063 | 1.152 | -8.4 | 92 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.394 | 0.444 | -12.7 | 92 | 0.00 |
| 30 | | 4-Chloroaniline | 0.397 | 0.455 | -14.6 | 93 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.296 | 0.312 | -5.4 | 91 | 0.00 |
| 32 | | Caprolactam | 0.114 | 0.128 | -12.3 | 98 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.371 | 0.420 | -13.2 | 92 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.787 | 0.863 | -9.7 | 93 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.747 | 0.830 | -11.1 | 93 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.810 | 0.877 | -8.3 | 95 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.441 | 0.428 | 2.9 | 93 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.481 | 0.514 | -6.9 | 91 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.526 | 0.550 | -4.6 | 90 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.544 | 1.684 | -9.1 | 95 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.245 | 1.340 | -7.6 | 94 | 0.00 |
| 43 | | 2-Nitroaniline | 0.349 | 0.381 | -9.2 | 93 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.648 | 1.812 | -10.0 | 94 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.676 | 1.847 | -10.2 | 94 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.341 | 0.378 | -10.9 | 93 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.910 | 2.089 | -9.4 | 94 | 0.00 |
| 48 | | Acenaphthylene | 2.008 | 2.206 | -9.9 | 94 | 0.00 |
| 49 | | 3-Nitroaniline | 0.315 | 0.334 | -6.0 | 89 | 0.00 |
| 50 | C | Acenaphthene | 1.357 | 1.468 | -8.2 | 94 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.218 | 0.220 | -0.9 | 98 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.275 | 0.295 | -7.3 | 92 | 0.00 |
| 53 | | 4-Nitrophenol | 0.249 | 0.268 | -7.6 | 95 | 0.00 |
| 54 | | Dibenzofuran | 2.019 | 2.229 | -10.4 | 94 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.510 | 0.579 | -13.5 | 95 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.518 | 0.572 | -10.4 | 95 | 0.00 |
| 57 | | Diethylphthalate | 1.720 | 1.887 | -9.7 | 94 | 0.00 |
| 58 | S | Fluorene-d10 | 1.491 | 1.628 | -9.2 | 94 | 0.00 |
| 59 | | Fluorene | 1.636 | 1.786 | -9.2 | 92 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.947 | 1.042 | -10.0 | 95 | 0.00 |
| 61 | | 4-Nitroaniline | 0.353 | 0.393 | -11.3 | 96 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.133 | 0.136 | -2.3 | 94 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.141 | 0.145 | -2.8 | 93 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.559 | 0.618 | -10.6 | 95 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.249 | 0.275 | -10.4 | 97 | 0.00 |
| 67 | | Hexachlorobenzene | 0.278 | 0.294 | -5.8 | 92 | 0.00 |
| 68 | | Atrazine | 0.248 | 0.272 | -9.7 | 96 | 0.00 |
| 69 | C | Pentachlorophenol | 0.150 | 0.150 | 0.0 | 93 | 0.00 |
| 70 | | Phenanthrene | 1.113 | 1.213 | -9.0 | 94 | 0.00 |
| 71 | S | Anthracene-d10 | 0.937 | 1.040 | -11.0 | 97 | 0.00 |
| 72 | | Anthracene | 1.138 | 1.233 | -8.3 | 94 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.334 | 0.354 | -6.0 | 94 | 0.00 |
| 74 | | Pentachlorobenzene | 0.310 | 0.330 | -6.5 | 94 | 0.00 |
| 75 | | Carbazole | 0.959 | 1.076 | -12.2 | 97 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.143 | 1.243 | -8.7 | 95 | 0.00 |
| 77 | C | Fluoranthene | 1.399 | 1.565 | -11.9 | 94 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 79 | S | Pyrene-d10 | 0.866 | 0.953 | -10.0 | 95 | 0.00 |
| 80 | | Pyrene | 1.131 | 1.260 | -11.4 | 96 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.402 | 0.436 | -8.5 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.392 | 0.426 | -8.7 | 92 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.175 | 1.278 | -8.8 | 94 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.588 | 0.629 | -7.0 | 92 | 0.00 |
| 85 | | Chrysene | 1.119 | 1.207 | -7.9 | 92 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.035 | 1.138 | -10.0 | 94 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.200 | 1.320 | -10.0 | 94 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.160 | 1.260 | -8.6 | 96 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.011 | 1.102 | -9.0 | 94 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.154 | 1.257 | -8.9 | 94 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.382 | 1.509 | -9.2 | 97 | -0.02 |
| 93 | | Dibenzo(a,h)anthracene | 1.147 | 1.253 | -9.2 | 96 | -0.01 |
| 94 | | Benzo(g,h,i)perylene | 1.135 | 1.224 | -7.8 | 95 | -0.02 |

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