# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024933.D
Acq On : 28 Nov 2016 10:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02002

Quant Time: Nov 28 17:43:40 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 25 02:47:32 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 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 0.499 | 0.566 | -13.4 | 97 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.422 | 0.437 | -3.6 | 82 | 0.00 |
| 4 | | Benzaldehyde | 1.186 | 1.454 | -22.6# | 81 | 0.00 |
| 5 | S | Phenol-d5 | 1.873 | 1.981 | -5.8 | 83 | 0.00 |
| 6 | | Phenol | 1.906 | 2.035 | -6.8 | 84 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.133 | 1.207 | -6.5 | 81 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.354 | 1.387 | -2.4 | 79 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.303 | 1.372 | -5.3 | 81 | 0.00 |
| 10 | | 2-Chlorophenol | 1.270 | 1.320 | -3.9 | 80 | 0.00 |
| 11 | | 2-Methylphenol | 1.408 | 1.392 | 1.1 | 79 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.313 | 2.430 | -5.1 | 78 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.592 | 1.592 | 0.0 | 81 | 0.00 |
| 14 | | Acetophenone | 2.310 | 2.390 | -3.5 | 83 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.369 | 1.384 | -1.1 | 81 | 0.00 |
| 16 | | 4-Methylphenol | 1.546 | 1.573 | -1.7 | 80 | 0.00 |
| 17 | | Hexachloroethane | 0.579 | 0.572 | 1.2 | 78 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.158 | 0.156 | 1.3 | 81 | 0.00 |
| 20 | | Nitrobenzene | 0.461 | 0.474 | -2.8 | 82 | 0.00 |
| 21 | | Isophorone | 0.874 | 0.845 | 3.3 | 79 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.184 | 0.186 | -1.1 | 79 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.195 | 0.190 | 2.6 | 76 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.450 | 0.432 | 4.0 | 79 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.461 | 0.448 | 2.8 | 78 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.372 | 0.376 | -1.1 | 82 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.363 | 0.357 | 1.7 | 79 | 0.00 |
| 28 | | Naphthalene | 0.977 | 0.997 | -2.0 | 83 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.411 | 0.434 | -5.6 | 80 | 0.00 |
| 30 | | 4-Chloroaniline | 0.402 | 0.425 | -5.7 | 79 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.289 | 0.306 | -5.9 | 80 | 0.00 |
| 32 | | Caprolactam | 0.140 | 0.130 | 7.1 | 78 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.452 | 0.431 | 4.6 | 79 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.796 | 0.780 | 2.0 | 81 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.632 | 0.661 | -4.6 | 80 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.388 | 0.331 | 14.7 | 67 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.405 | 0.395 | 2.5 | 75 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.459 | 0.463 | -0.9 | 80 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.286 | 1.310 | -1.9 | 80 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.015 | 1.005 | 1.0 | 78 | 0.00 |
| 42 | | 2-Nitroaniline | 0.414 | 0.406 | 1.9 | 79 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.471 | 1.400 | 4.8 | 78 | 0.00 |
| 44 | | Dimethylphthalate | 1.440 | 1.341 | 6.9 | 76 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.314 | 0.286 | 8.9 | 72 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.618 | 1.617 | 0.1 | 80 | 0.00 |
| 47 | | Acenaphthylene | 1.565 | 1.579 | -0.9 | 79 | 0.00 |
| 48 | | 3-Nitroaniline | 0.280 | 0.280 | 0.0 | 75 | 0.00 |
| 49 | C | Acenaphthene | 1.076 | 1.081 | -0.5 | 81 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.215 | 0.177 | 17.7 | 71 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.259 | 0.248 | 4.2 | 77 | 0.00 |
| 52 | | 4-Nitrophenol | 0.302 | 0.301 | 0.3 | 83 | 0.00 |
| 53 | | Dibenzofuran | 1.669 | 1.679 | -0.6 | 80 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.464 | 0.459 | 1.1 | 81 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.466 | 0.450 | 3.4 | 81 | 0.00 |
| 56 | | Diethylphthalate | 1.474 | 1.408 | 4.5 | 79 | 0.00 |
| 57 | S | Fluorene-d10 | 1.360 | 1.350 | 0.7 | 81 | 0.00 |
| 58 | | Fluorene | 1.370 | 1.352 | 1.3 | 81 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.759 | 0.752 | 0.9 | 80 | 0.00 |
| 60 | | 4-Nitroaniline | 0.307 | 0.306 | 0.3 | 79 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.142 | 0.122 | 14.1 | 72 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.143 | 0.127 | 11.2 | 72 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.558 | 0.542 | 2.9 | 78 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.248 | 0.242 | 2.4 | 80 | 0.00 |
| 66 | | Hexachlorobenzene | 0.278 | 0.281 | -1.1 | 81 | 0.00 |
| 67 | | Atrazine | 0.252 | 0.245 | 2.8 | 77 | 0.00 |
| 68 | C | Pentachlorophenol | 0.162 | 0.149 | 8.0 | 76 | 0.00 |
| 69 | | Phenanthrene | 1.029 | 1.037 | -0.8 | 82 | 0.00 |
| 70 | S | Anthracene-d10 | 0.910 | 0.908 | 0.2 | 81 | 0.00 |
| 71 | | Anthracene | 1.059 | 1.040 | 1.8 | 80 | 0.00 |
| 72 | | Carbazole | 0.875 | 0.918 | -4.9 | 81 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.089 | 1.084 | 0.5 | 79 | 0.00 |
| 74 | C | Fluoranthene | 1.187 | 1.301 | -9.6 | 80 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 76 | S | Pyrene-d10 | 0.891 | 0.875 | 1.8 | 82 | 0.00 |
| 77 | | Pyrene | 1.037 | 1.013 | 2.3 | 81 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.407 | 0.407 | 0.0 | 84 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.377 | 0.404 | -7.2 | 83 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.099 | 1.085 | 1.3 | 83 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.572 | 0.560 | 2.1 | 82 | 0.00 |
| 82 | | Chrysene | 1.036 | 1.025 | 1.1 | 82 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.896 | 0.943 | -5.2 | 83 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.067 | 1.060 | 0.7 | 81 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.021 | 1.042 | -2.1 | 84 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.889 | 0.903 | -1.6 | 84 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.037 | 1.049 | -1.2 | 84 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.272 | 1.283 | -0.9 | 83 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.061 | 1.072 | -1.0 | 83 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.047 | 1.058 | -1.1 | 83 | 0.00 |

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