# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112116\
Data File : BG024855.D
Acq On : 21 Nov 2016 12:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 21 16:22:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 21 04:36:38 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 | 105 | 0.00 |
| 2 | | 1,4-Dioxane | 0.484 | 0.428 | 11.6 | 101 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.386 | 0.387 | -0.3 | 111 | 0.00 |
| 4 | | Benzaldehyde | 1.104 | 1.419 | -28.5# | 113 | 0.00 |
| 5 | S | Phenol-d5 | 1.713 | 1.811 | -5.7 | 112 | 0.00 |
| 6 | | Phenol | 1.790 | 1.886 | -5.4 | 112 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.078 | 1.206 | -11.9 | 118 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.274 | 1.352 | -6.1 | 112 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.229 | 1.316 | -7.1 | 109 | 0.00 |
| 10 | | 2-Chlorophenol | 1.188 | 1.325 | -11.5 | 112 | 0.00 |
| 11 | | 2-Methylphenol | 1.311 | 1.374 | -4.8 | 111 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.163 | 2.322 | -7.4 | 112 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.439 | 1.535 | -6.7 | 115 | 0.00 |
| 14 | | Acetophenone | 2.167 | 2.318 | -7.0 | 110 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.231 | 1.319 | -7.1 | 111 | 0.00 |
| 16 | | 4-Methylphenol | 1.418 | 1.520 | -7.2 | 114 | 0.00 |
| 17 | | Hexachloroethane | 0.544 | 0.571 | -5.0 | 109 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.151 | 0.158 | -4.6 | 121 | 0.00 |
| 20 | | Nitrobenzene | 0.450 | 0.463 | -2.9 | 111 | 0.00 |
| 21 | | Isophorone | 0.839 | 0.820 | 2.3 | 105 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.181 | 0.185 | -2.2 | 111 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.183 | 0.204 | -11.5 | 119 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.434 | 0.448 | -3.2 | 115 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.440 | 0.455 | -3.4 | 113 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.360 | 0.368 | -2.2 | 113 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.345 | 0.362 | -4.9 | 114 | 0.00 |
| 28 | | Naphthalene | 0.959 | 1.005 | -4.8 | 115 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.402 | 0.434 | -8.0 | 108 | 0.00 |
| 30 | | 4-Chloroaniline | 0.388 | 0.417 | -7.5 | 107 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.303 | 0.309 | -2.0 | 108 | 0.00 |
| 32 | | Caprolactam | 0.136 | 0.121 | 11.0 | 97 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.418 | 0.435 | -4.1 | 111 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.755 | 0.789 | -4.5 | 114 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.649 | 0.691 | -6.5 | 114 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.418 | 0.430 | -2.9 | 110 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.395 | 0.420 | -6.3 | 111 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.429 | 0.442 | -3.0 | 108 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.287 | 1.326 | -3.0 | 110 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.000 | 1.050 | -5.0 | 112 | 0.00 |
| 42 | | 2-Nitroaniline | 0.397 | 0.397 | 0.0 | 101 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.458 | 1.407 | 3.5 | 98 | 0.00 |
| 44 | | Dimethylphthalate | 1.399 | 1.388 | 0.8 | 101 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.294 | 0.290 | 1.4 | 102 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.589 | 1.639 | -3.1 | 107 | 0.00 |
| 47 | | Acenaphthylene | 1.538 | 1.594 | -3.6 | 107 | 0.00 |
| 48 | | 3-Nitroaniline | 0.272 | 0.275 | -1.1 | 96 | 0.00 |
| 49 | C | Acenaphthene | 1.089 | 1.093 | -0.4 | 106 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.210 | 0.142 | 32.4# | 75 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.260 | 0.233 | 10.4 | 93 | 0.00 |
| 52 | | 4-Nitrophenol | 0.311 | 0.273 | 12.2 | 87 | 0.00 |
| 53 | | Dibenzofuran | 1.666 | 1.720 | -3.2 | 106 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.445 | 0.427 | 4.0 | 95 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.446 | 0.439 | 1.6 | 101 | 0.00 |
| 56 | | Diethylphthalate | 1.486 | 1.389 | 6.5 | 97 | 0.00 |
| 57 | S | Fluorene-d10 | 1.373 | 1.349 | 1.7 | 104 | 0.00 |
| 58 | | Fluorene | 1.353 | 1.336 | 1.3 | 102 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.765 | 0.745 | 2.6 | 102 | 0.00 |
| 60 | | 4-Nitroaniline | 0.309 | 0.304 | 1.6 | 99 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.137 | 0.123 | 10.2 | 82 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.139 | 0.118 | 15.1 | 79 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.540 | 0.609 | -12.8 | 101 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.243 | 0.269 | -10.7 | 100 | 0.00 |
| 66 | | Hexachlorobenzene | 0.269 | 0.297 | -10.4 | 98 | 0.00 |
| 67 | | Atrazine | 0.253 | 0.261 | -3.2 | 92 | 0.00 |
| 68 | C | Pentachlorophenol | 0.159 | 0.151 | 5.0 | 86 | 0.00 |
| 69 | | Phenanthrene | 0.997 | 1.063 | -6.6 | 94 | 0.00 |
| 70 | S | Anthracene-d10 | 0.883 | 0.948 | -7.4 | 96 | 0.00 |
| 71 | | Anthracene | 1.031 | 1.095 | -6.2 | 95 | 0.00 |
| 72 | | Carbazole | 0.846 | 0.920 | -8.7 | 92 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.066 | 1.104 | -3.6 | 90 | 0.00 |
| 74 | C | Fluoranthene | 1.158 | 1.267 | -9.4 | 87 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 76 | S | Pyrene-d10 | 0.867 | 0.927 | -6.9 | 87 | 0.00 |
| 77 | | Pyrene | 0.983 | 1.076 | -9.5 | 89 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.402 | 0.413 | -2.7 | 86 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.385 | 0.425 | -10.4 | 86 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.088 | 1.137 | -4.5 | 86 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.550 | 0.573 | -4.2 | 86 | 0.00 |
| 82 | | Chrysene | 1.020 | 1.070 | -4.9 | 87 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 82 | 0.01 |
| 84 | | Di-n-octyl phthalate | 0.847 | 0.981 | -15.8 | 88 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.054 | 1.118 | -6.1 | 87 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.001 | 1.055 | -5.4 | 86 | 0.01 |
| 87 | S | Benzo(a)pyrene-d12 | 0.876 | 0.917 | -4.7 | 85 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.020 | 1.071 | -5.0 | 85 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.275 | 1.311 | -2.8 | 85 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.062 | 1.091 | -2.7 | 84 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.050 | 1.053 | -0.3 | 82 | 0.02 |

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