# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG100915\
Data File : BG019081.D
Acq On : 9 Oct 2015 16:05
Operator : UM/NP
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02043

Quant Time: Oct 09 18:33:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG100415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 09 02:23:12 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 | 76 | 0.00 |
| 2 | | 1,4-Dioxane | 0.487 | 0.419 | 14.0 | 66 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.443 | 0.345 | 22.1# | 62 | 0.00 |
| 4 | | Benzaldehyde | 1.021 | 1.184 | -16.0 | 85 | 0.00 |
| 5 | S | Phenol-d5 | 1.724 | 1.723 | 0.1 | 78 | 0.00 |
| 6 | | Phenol | 1.758 | 1.747 | 0.6 | 76 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.115 | 1.140 | -2.2 | 80 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.325 | 1.319 | 0.5 | 78 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.294 | 1.331 | -2.9 | 80 | 0.00 |
| 10 | | 2-Chlorophenol | 1.344 | 1.380 | -2.7 | 80 | 0.00 |
| 11 | | 2-Methylphenol | 1.355 | 1.404 | -3.6 | 82 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.601 | 2.928 | -12.6 | 86 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.355 | 1.453 | -7.2 | 84 | 0.00 |
| 14 | | Acetophenone | 2.098 | 2.368 | -12.9 | 87 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.128 | 1.265 | -12.1 | 88 | 0.00 |
| 16 | | 4-Methylphenol | 1.494 | 1.587 | -6.2 | 83 | 0.00 |
| 17 | | Hexachloroethane | 0.535 | 0.553 | -3.4 | 82 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.151 | 0.154 | -2.0 | 88 | 0.00 |
| 20 | | Nitrobenzene | 0.376 | 0.392 | -4.3 | 88 | 0.00 |
| 21 | | Isophorone | 0.734 | 0.775 | -5.6 | 91 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.156 | 0.176 | -12.8 | 95 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.167 | 0.175 | -4.8 | 86 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.379 | 0.402 | -6.1 | 91 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.434 | 0.420 | 3.2 | 85 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.311 | 0.323 | -3.9 | 89 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.318 | 0.330 | -3.8 | 90 | 0.00 |
| 28 | | Naphthalene | 1.036 | 1.009 | 2.6 | 85 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.380 | 0.446 | -17.4 | 94 | 0.00 |
| 30 | | 4-Chloroaniline | 0.392 | 0.452 | -15.3 | 93 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.203 | 0.231 | -13.8 | 99 | 0.00 |
| 32 | | Caprolactam | 0.107 | 0.118 | -10.3 | 94 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.349 | 0.393 | -12.6 | 97 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.776 | 0.797 | -2.7 | 90 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.761 | 0.785 | -3.2 | 90 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.649 | 0.646 | 0.5 | 93 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.417 | 0.357 | 14.4 | 79 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.422 | 0.405 | 4.0 | 92 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.453 | 0.453 | 0.0 | 92 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.630 | 1.562 | 4.2 | 92 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.266 | 1.205 | 4.8 | 91 | 0.00 |
| 43 | | 2-Nitroaniline | 0.411 | 0.450 | -9.5 | 102 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.577 | 1.665 | -5.6 | 99 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.610 | 1.658 | -3.0 | 97 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.310 | 0.349 | -12.6 | 103 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.951 | 1.910 | 2.1 | 94 | 0.00 |
| 48 | | Acenaphthylene | 2.089 | 2.033 | 2.7 | 91 | 0.00 |
| 49 | | 3-Nitroaniline | 0.306 | 0.339 | -10.8 | 98 | 0.00 |
| 50 | C | Acenaphthene | 1.417 | 1.390 | 1.9 | 94 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.179 | 0.150 | 16.2 | 77 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.319 | 0.314 | 1.6 | 88 | 0.00 |
| 53 | | 4-Nitrophenol | 0.244 | 0.301 | -23.4# | 114 | 0.00 |
| 54 | | Dibenzofuran | 1.928 | 1.920 | 0.4 | 95 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.453 | 0.531 | -17.2 | 105 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.418 | 0.421 | -0.7 | 94 | 0.00 |
| 57 | | Diethylphthalate | 1.616 | 1.716 | -6.2 | 101 | 0.00 |
| 58 | S | Fluorene-d10 | 1.428 | 1.443 | -1.1 | 96 | 0.00 |
| 59 | | Fluorene | 1.625 | 1.629 | -0.2 | 95 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.803 | 0.814 | -1.4 | 97 | 0.00 |
| 61 | | 4-Nitroaniline | 0.346 | 0.373 | -7.8 | 100 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.108 | 0.118 | -9.3 | 105 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.115 | 0.119 | -3.5 | 97 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.582 | 0.563 | 3.3 | 95 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.218 | 0.225 | -3.2 | 102 | 0.00 |
| 67 | | Hexachlorobenzene | 0.248 | 0.257 | -3.6 | 101 | 0.00 |
| 68 | | Atrazine | 0.241 | 0.265 | -10.0 | 103 | 0.00 |
| 69 | C | Pentachlorophenol | 0.156 | 0.124 | 20.5 | 76 | 0.00 |
| 70 | | Phenanthrene | 1.127 | 1.122 | 0.4 | 98 | 0.00 |
| 71 | S | Anthracene-d10 | 0.942 | 0.929 | 1.4 | 98 | 0.00 |
| 72 | | Anthracene | 1.136 | 1.143 | -0.6 | 99 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.270 | 0.257 | 4.8 | 95 | 0.00 |
| 74 | | Pentachlorobenzene | 0.263 | 0.270 | -2.7 | 102 | 0.00 |
| 75 | | Carbazole | 0.980 | 1.030 | -5.1 | 98 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.253 | 1.288 | -2.8 | 101 | 0.00 |
| 77 | C | Fluoranthene | 1.312 | 1.435 | -9.4 | 99 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 79 | S | Pyrene-d10 | 0.926 | 0.928 | -0.2 | 96 | 0.00 |
| 80 | | Pyrene | 1.204 | 1.216 | -1.0 | 97 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.456 | 0.486 | -6.6 | 100 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.370 | 0.392 | -5.9 | 98 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.154 | 1.141 | 1.1 | 94 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.663 | 0.681 | -2.7 | 97 | 0.00 |
| 85 | | Chrysene | 1.089 | 1.063 | 2.4 | 92 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.135 | 1.185 | -4.4 | 97 | 0.00 |

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| 88 | | Benzo(b)fluoranthene | 1.178 | 1.162 | 1.4 | 94 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.148 | 1.082 | 5.7 | 90 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.023 | 1.017 | 0.6 | 94 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.141 | 1.091 | 4.4 | 91 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.308 | 1.267 | 3.1 | 92 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.131 | 1.106 | 2.2 | 92 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.089 | 1.064 | 2.3 | 92 | 0.00 |

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