# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM110115\
Data File : BM003019.D
Acq On : 01 Nov 2015 08:21
Operator : UM/IZ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02061

Quant Time: Nov 02 01:01:47 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 30 18:02:20 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 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 0.463 | 0.424 | 8.4 | 99 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.424 | 0.389 | 8.3 | 97 | 0.00 |
| 4 | | Benzaldehyde | 0.812 | 0.883 | -8.7 | 98 | 0.00 |
| 5 | S | Phenol-d5 | 1.581 | 1.536 | 2.8 | 98 | 0.00 |
| 6 | | Phenol | 1.627 | 1.609 | 1.1 | 98 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.924 | 0.896 | 3.0 | 97 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.298 | 1.272 | 2.0 | 98 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.340 | 1.275 | 4.9 | 98 | 0.00 |
| 10 | | 2-Chlorophenol | 1.384 | 1.328 | 4.0 | 99 | 0.00 |
| 11 | | 2-Methylphenol | 1.269 | 1.245 | 1.9 | 98 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.597 | 1.561 | 2.3 | 96 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.275 | 1.260 | 1.2 | 98 | 0.00 |
| 14 | | Acetophenone | 1.936 | 1.982 | -2.4 | 97 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.959 | 0.951 | 0.8 | 96 | 0.00 |
| 16 | | 4-Methylphenol | 1.371 | 1.371 | 0.0 | 98 | 0.00 |
| 17 | | Hexachloroethane | 0.526 | 0.498 | 5.3 | 99 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.122 | 0.120 | 1.6 | 100 | 0.00 |
| 20 | | Nitrobenzene | 0.296 | 0.292 | 1.4 | 100 | 0.00 |
| 21 | | Isophorone | 0.599 | 0.584 | 2.5 | 96 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.124 | 0.124 | 0.0 | 104 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.144 | 0.146 | -1.4 | 102 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.335 | 0.325 | 3.0 | 98 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.387 | 0.375 | 3.1 | 98 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.277 | 0.270 | 2.5 | 98 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.284 | 0.278 | 2.1 | 98 | 0.00 |
| 28 | | Naphthalene | 1.004 | 0.962 | 4.2 | 99 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.359 | 0.380 | -5.8 | 97 | 0.00 |
| 30 | | 4-Chloroaniline | 0.376 | 0.403 | -7.2 | 97 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.176 | 0.169 | 4.0 | 101 | 0.00 |
| 32 | | Caprolactam | 0.080 | 0.076 | 5.0 | 90 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.301 | 0.293 | 2.7 | 95 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.723 | 0.695 | 3.9 | 97 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.709 | 0.688 | 3.0 | 98 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.640 | 0.613 | 4.2 | 99 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.377 | 0.345 | 8.5 | 99 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.391 | 0.380 | 2.8 | 97 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.420 | 0.414 | 1.4 | 98 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.685 | 1.614 | 4.2 | 97 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.254 | 1.207 | 3.7 | 97 | 0.00 |
| 43 | | 2-Nitroaniline | 0.252 | 0.257 | -2.0 | 97 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.505 | 1.450 | 3.7 | 93 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.533 | 1.472 | 4.0 | 93 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.251 | 0.257 | -2.4 | 96 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.907 | 1.846 | 3.2 | 95 | 0.00 |
| 48 | | Acenaphthylene | 2.036 | 1.985 | 2.5 | 97 | 0.00 |
| 49 | | 3-Nitroaniline | 0.265 | 0.268 | -1.1 | 96 | 0.00 |
| 50 | C | Acenaphthene | 1.371 | 1.309 | 4.5 | 97 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.139 | 0.128 | 7.9 | 100 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.254 | 0.236 | 7.1 | 92 | 0.00 |
| 53 | | 4-Nitrophenol | 0.193 | 0.183 | 5.2 | 93 | 0.00 |
| 54 | | Dibenzofuran | 1.917 | 1.844 | 3.8 | 96 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.353 | 0.363 | -2.8 | 94 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.347 | 0.340 | 2.0 | 94 | 0.00 |
| 57 | | Diethylphthalate | 1.512 | 1.457 | 3.6 | 91 | 0.00 |
| 58 | S | Fluorene-d10 | 1.301 | 1.254 | 3.6 | 95 | 0.00 |
| 59 | | Fluorene | 1.490 | 1.439 | 3.4 | 94 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.700 | 0.681 | 2.7 | 95 | 0.00 |
| 61 | | 4-Nitroaniline | 0.284 | 0.258 | 9.2 | 91 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.093 | 0.087 | 6.5 | 96 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.100 | 0.095 | 5.0 | 94 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.601 | 0.581 | 3.3 | 92 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.195 | 0.190 | 2.6 | 93 | 0.00 |
| 67 | | Hexachlorobenzene | 0.236 | 0.225 | 4.7 | 93 | 0.00 |
| 68 | | Atrazine | 0.207 | 0.200 | 3.4 | 88 | 0.00 |
| 69 | C | Pentachlorophenol | 0.132 | 0.124 | 6.1 | 90 | 0.00 |
| 70 | | Phenanthrene | 1.133 | 1.071 | 5.5 | 91 | 0.00 |
| 71 | S | Anthracene-d10 | 0.887 | 0.848 | 4.4 | 90 | 0.00 |
| 72 | | Anthracene | 1.106 | 1.065 | 3.7 | 91 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.303 | 0.291 | 4.0 | 98 | 0.00 |
| 74 | | Pentachlorobenzene | 0.287 | 0.276 | 3.8 | 96 | 0.00 |
| 75 | | Carbazole | 0.945 | 0.920 | 2.6 | 88 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.088 | 1.055 | 3.0 | 85 | 0.00 |
| 77 | C | Fluoranthene | 1.145 | 1.111 | 3.0 | 86 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 79 | S | Pyrene-d10 | 0.985 | 0.953 | 3.2 | 88 | 0.00 |
| 80 | | Pyrene | 1.308 | 1.275 | 2.5 | 88 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.386 | 0.396 | -2.6 | 90 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.280 | 0.276 | 1.4 | 93 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.098 | 1.058 | 3.6 | 88 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.604 | 0.611 | -1.2 | 87 | 0.00 |
| 85 | | Chrysene | 1.087 | 1.032 | 5.1 | 89 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.030 | 0.940 | 8.7 | 92 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.152 | 1.125 | 2.3 | 96 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.075 | 1.047 | 2.6 | 92 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 0.950 | 0.928 | 2.3 | 95 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.091 | 1.057 | 3.1 | 95 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.200 | 1.170 | 2.5 | 99 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 0.945 | 0.937 | 0.8 | 99 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.079 | 1.041 | 3.5 | 101 | 0.00 |

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