# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM011615\
Data File : BM000230.D
Acq On : 16 Jan 2015 12:53
Operator : TP/IZ
Sample : SSTD02035
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
**LabSampleId :**
SSTD02035

Quant Time: Jan 16 13:48:04 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 14 12:47:10 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 | -0.03 |
| 2 | | 1,4-Dioxane | 0.478 | 0.508 | -6.3 | 98 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.345 | 0.364 | -5.5 | 95 | -0.01 |
| 4 | | Benzaldehyde | 1.172 | 1.254 | -7.0 | 91 | -0.02 |
| 5 | S | Phenol-d5 | 1.682 | 1.703 | -1.2 | 93 | -0.02 |
| 6 | | Phenol | 1.774 | 1.794 | -1.1 | 92 | -0.01 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.063 | 1.127 | -6.0 | 99 | -0.02 |
| 8 | | Bis(2-Chloroethyl)ether | 1.377 | 1.376 | 0.1 | 92 | -0.02 |
| 9 | S | 2-Chlorophenol-d4 | 1.234 | 1.290 | -4.5 | 97 | -0.02 |
| 10 | | 2-Chlorophenol | 1.291 | 1.327 | -2.8 | 95 | -0.02 |
| 11 | | 2-Methylphenol | 1.366 | 1.343 | 1.7 | 90 | -0.01 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.264 | 2.506 | -10.7 | 103 | -0.02 |
| 13 | S | 4-Methylphenol-d8 | 1.338 | 1.321 | 1.3 | 91 | -0.01 |
| 14 | | Acetophenone | 2.352 | 2.277 | 3.2 | 88 | -0.02 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.223 | 1.185 | 3.1 | 88 | -0.02 |
| 16 | | 4-Methylphenol | 1.475 | 1.446 | 2.0 | 89 | -0.02 |
| 17 | | Hexachloroethane | 0.590 | 0.615 | -4.2 | 98 | -0.02 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | -0.03 |
| 19 | S | Nitrobenzene-d5 | 0.138 | 0.146 | -5.8 | 94 | -0.03 |
| 20 | | Nitrobenzene | 0.412 | 0.461 | -11.9 | 98 | -0.01 |
| 21 | | Isophorone | 0.795 | 0.757 | 4.8 | 84 | -0.02 |
| 22 | S | 2-Nitrophenol-d4 | 0.141 | 0.154 | -9.2 | 96 | -0.02 |
| 23 | C | 2-Nitrophenol | 0.156 | 0.169 | -8.3 | 92 | -0.02 |
| 24 | | 2,4-Dimethylphenol | 0.423 | 0.435 | -2.8 | 89 | -0.02 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.442 | 0.436 | 1.4 | 87 | -0.02 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.312 | 0.313 | -0.3 | 88 | -0.02 |
| 27 | C | 2,4-Dichlorophenol | 0.311 | 0.312 | -0.3 | 87 | -0.02 |
| 28 | | Naphthalene | 1.020 | 1.017 | 0.3 | 88 | -0.02 |
| 29 | S | 4-Chloroaniline-d4 | 0.354 | 0.398 | -12.4 | 86 | -0.03 |
| 30 | | 4-Chloroaniline | 0.364 | 0.409 | -12.4 | 85 | -0.02 |
| 31 | C | Hexachlorobutadiene | 0.221 | 0.238 | -7.7 | 95 | -0.02 |
| 32 | | Caprolactam | 0.101 | 0.086 | 14.9 | 72 | -0.02 |
| 33 | C | 4-Chloro-3-methylphenol | 0.382 | 0.364 | 4.7 | 84 | -0.01 |
| 34 | | 2-Methylnaphthalene | 0.756 | 0.748 | 1.1 | 86 | -0.02 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 78 | -0.02 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.555 | 0.617 | -11.2 | 90 | -0.03 |
| 37 | | Hexachlorocyclopentadiene | 0.345 | 0.394 | -14.2 | 92 | -0.03 |
| 38 | C | 2,4,6-Trichlorophenol | 0.354 | 0.369 | -4.2 | 83 | -0.01 |
| 39 | | 2,4,5-Trichlorophenol | 0.384 | 0.410 | -6.8 | 84 | -0.02 |
| 40 | | 1,1'-Biphenyl | 1.441 | 1.516 | -5.2 | 84 | -0.02 |
| 41 | | 2-Chloronaphthalene | 1.105 | 1.183 | -7.1 | 87 | -0.01 |
| 42 | | 2-Nitroaniline | 0.377 | 0.401 | -6.4 | 89 | -0.02 |
| 43 | S | Dimethylphthalate-d6 | 1.475 | 1.448 | 1.8 | 78 | -0.02 |
| 44 | | Dimethylphthalate | 1.469 | 1.454 | 1.0 | 79 | -0.02 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.263 | 0.281 | -6.8 | 83 | -0.02 |
| 46 | S | Acenaphthylene-d8 | 1.767 | 1.828 | -3.5 | 82 | -0.02 |
| 47 | | Acenaphthylene | 1.863 | 1.891 | -1.5 | 80 | -0.02 |
| 48 | | 3-Nitroaniline | 0.279 | 0.282 | -1.1 | 77 | -0.01 |
| 49 | C | Acenaphthene | 1.188 | 1.206 | -1.5 | 81 | -0.02 |
| 50 | | 2,4-Dinitrophenol | 0.128 | 0.124 | 3.1 | 86 | -0.02 |
| 51 | S | 4-Nitrophenol-d4 | 0.240 | 0.212 | 11.7 | 71 | -0.01 |
| 52 | | 4-Nitrophenol | 0.318 | 0.324 | -1.9 | 83 | 0.00 |
| 53 | | Dibenzofuran | 1.720 | 1.726 | -0.3 | 80 | -0.02 |
| 54 | | 2,4-Dinitrotoluene | 0.392 | 0.412 | -5.1 | 83 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.331 | 0.325 | 1.8 | 75 | -0.01 |
| 56 | | Diethylphthalate | 1.544 | 1.522 | 1.4 | 78 | -0.03 |
| 57 | S | Fluorene-d10 | 1.267 | 1.267 | 0.0 | 79 | -0.02 |
| 58 | | Fluorene | 1.427 | 1.426 | 0.1 | 79 | -0.02 |
| 59 | | 4-Chlorophenyl-phenylether | 0.704 | 0.708 | -0.6 | 81 | -0.02 |
| 60 | | 4-Nitroaniline | 0.312 | 0.304 | 2.6 | 77 | -0.02 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 72 | -0.02 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.095 | 0.100 | -5.3 | 86 | -0.02 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.098 | 0.106 | -8.2 | 87 | -0.02 |
| 64 | | N-Nitrosodiphenylamine | 0.580 | 0.604 | -4.1 | 78 | -0.02 |
| 65 | | 4-Bromophenyl-phenylether | 0.204 | 0.215 | -5.4 | 80 | -0.03 |
| 66 | | Hexachlorobenzene | 0.235 | 0.246 | -4.7 | 79 | -0.01 |
| 67 | | Atrazine | 0.226 | 0.227 | -0.4 | 73 | -0.03 |
| 68 | C | Pentachlorophenol | 0.142 | 0.124 | 12.7 | 69 | -0.01 |
| 69 | | Phenanthrene | 1.083 | 1.131 | -4.4 | 77 | -0.02 |
| 70 | S | Anthracene-d10 | 0.925 | 0.965 | -4.3 | 77 | -0.01 |
| 71 | | Anthracene | 1.113 | 1.157 | -4.0 | 77 | -0.01 |
| 72 | | Carbazole | 1.006 | 1.023 | -1.7 | 74 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.196 | 1.211 | -1.3 | 73 | -0.03 |
| 74 | C | Fluoranthene | 1.265 | 1.269 | -0.3 | 73 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 66 | -0.01 |
| 76 | S | Pyrene-d10 | 0.923 | 0.965 | -4.6 | 72 | -0.02 |
| 77 | | Pyrene | 1.205 | 1.278 | -6.1 | 72 | -0.02 |
| 78 | | Butylbenzylphthalate | 0.490 | 0.500 | -2.0 | 69 | -0.02 |
| 79 | | 3,3'-Dichlorobenzidine | 0.353 | 0.396 | -12.2 | 68 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.155 | 1.209 | -4.7 | 73 | -0.02 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.713 | 0.725 | -1.7 | 67 | -0.03 |
| 82 | | Chrysene | 1.064 | 1.127 | -5.9 | 71 | -0.01 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 71 | -0.02 |
| 84 | | Di-n-octyl phthalate | 1.298 | 1.282 | 1.2 | 69 | -0.03 |
| 85 | | Benzo(b)fluoranthene | 1.276 | 1.213 | 4.9 | 67 | -0.02 |
| 86 | | Benzo(k)fluoranthene | 1.090 | 1.208 | -10.8 | 82 | -0.03 |
| 87 | S | Benzo(a)pyrene-d12 | 0.908 | 0.933 | -2.8 | 75 | -0.03 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.121 | 1.168 | -4.2 | 74 | -0.03 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.170 | 1.335 | -14.1 | 85 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 0.985 | 1.134 | -15.1 | 85 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 0.961 | 1.125 | -17.1 | 88 | -0.04 |

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