# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM071515\
Data File : BM001936.D
Acq On : 15 Jul 2015 09:43
Operator : TP/UM
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02052

Quant Time: Jul 15 14:06:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 15 07:11:15 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 | 81 | 0.00 |
| 2 | | 1,4-Dioxane | 0.431 | 0.407 | 5.6 | 77 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.409 | 0.403 | 1.5 | 78 | 0.00 |
| 4 | | Benzaldehyde | 0.789 | 0.675 | 14.4 | 81 | 0.00 |
| 5 | S | Phenol-d5 | 1.633 | 1.571 | 3.8 | 80 | 0.00 |
| 6 | | Phenol | 1.686 | 1.622 | 3.8 | 80 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.890 | 0.867 | 2.6 | 78 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.242 | 1.229 | 1.0 | 80 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.296 | 1.241 | 4.2 | 78 | 0.00 |
| 10 | | 2-Chlorophenol | 1.316 | 1.284 | 2.4 | 80 | 0.00 |
| 11 | | 2-Methylphenol | 1.284 | 1.246 | 3.0 | 80 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.451 | 1.421 | 2.1 | 79 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.341 | 1.326 | 1.1 | 81 | 0.00 |
| 14 | | Acetophenone | 2.119 | 2.137 | -0.8 | 82 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.088 | 1.068 | 1.8 | 78 | 0.00 |
| 16 | | 4-Methylphenol | 1.405 | 1.398 | 0.5 | 82 | 0.00 |
| 17 | | Hexachloroethane | 0.525 | 0.509 | 3.0 | 80 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.149 | 0.143 | 4.0 | 80 | 0.00 |
| 20 | | Nitrobenzene | 0.368 | 0.353 | 4.1 | 80 | 0.00 |
| 21 | | Isophorone | 0.687 | 0.660 | 3.9 | 80 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.166 | 0.165 | 0.6 | 83 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.180 | 0.176 | 2.2 | 80 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.383 | 0.375 | 2.1 | 82 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.412 | 0.396 | 3.9 | 81 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.335 | 0.332 | 0.9 | 83 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.327 | 0.321 | 1.8 | 82 | 0.00 |
| 28 | | Naphthalene | 1.010 | 0.977 | 3.3 | 82 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.344 | 0.372 | -8.1 | 86 | 0.00 |
| 30 | | 4-Chloroaniline | 0.356 | 0.384 | -7.9 | 87 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.234 | 0.234 | 0.0 | 85 | 0.00 |
| 32 | | Caprolactam | 0.154 | 0.157 | -1.9 | 84 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.358 | 0.359 | -0.3 | 84 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.752 | 0.749 | 0.4 | 84 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.714 | 0.698 | 2.2 | 87 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.410 | 0.374 | 8.8 | 83 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.447 | 0.439 | 1.8 | 86 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.487 | 0.465 | 4.5 | 83 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.605 | 1.537 | 4.2 | 85 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.250 | 1.206 | 3.5 | 85 | 0.00 |
| 42 | | 2-Nitroaniline | 0.352 | 0.342 | 2.8 | 84 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.613 | 1.580 | 2.0 | 86 | 0.00 |
| 44 | | Dimethylphthalate | 1.641 | 1.589 | 3.2 | 85 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.338 | 0.336 | 0.6 | 86 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.940 | 1.883 | 2.9 | 86 | 0.00 |
| 47 | | Acenaphthylene | 1.979 | 1.922 | 2.9 | 86 | 0.00 |
| 48 | | 3-Nitroaniline | 0.299 | 0.298 | 0.3 | 90 | 0.00 |
| 49 | C | Acenaphthene | 1.327 | 1.276 | 3.8 | 85 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.204 | 0.183 | 10.3 | 83 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.273 | 0.265 | 2.9 | 85 | 0.00 |
| 52 | | 4-Nitrophenol | 0.252 | 0.255 | -1.2 | 89 | 0.00 |
| 53 | | Dibenzofuran | 1.907 | 1.855 | 2.7 | 86 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.490 | 0.497 | -1.4 | 88 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.431 | 0.432 | -0.2 | 87 | 0.00 |
| 56 | | Diethylphthalate | 1.626 | 1.592 | 2.1 | 86 | 0.00 |
| 57 | S | Fluorene-d10 | 1.378 | 1.360 | 1.3 | 87 | 0.00 |
| 58 | | Fluorene | 1.599 | 1.566 | 2.1 | 87 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.866 | 0.845 | 2.4 | 87 | 0.00 |
| 60 | | 4-Nitroaniline | 0.314 | 0.305 | 2.9 | 88 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.130 | 0.119 | 8.5 | 86 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.137 | 0.128 | 6.6 | 87 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.598 | 0.571 | 4.5 | 87 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.229 | 0.223 | 2.6 | 88 | 0.00 |
| 66 | | Hexachlorobenzene | 0.253 | 0.244 | 3.6 | 89 | 0.00 |
| 67 | | Atrazine | 0.236 | 0.231 | 2.1 | 87 | 0.00 |
| 68 | C | Pentachlorophenol | 0.156 | 0.142 | 9.0 | 85 | 0.00 |
| 69 | | Phenanthrene | 1.084 | 1.033 | 4.7 | 88 | 0.00 |
| 70 | S | Anthracene-d10 | 0.939 | 0.896 | 4.6 | 88 | 0.00 |
| 71 | | Anthracene | 1.118 | 1.079 | 3.5 | 89 | 0.00 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 0.306 | 0.288 | 5.9 | 87 | 0.00 |
| 73 | | Pentachlorobenzene | 0.298 | 0.282 | 5.4 | 88 | 0.00 |
| 74 | | Carbazole | 0.963 | 0.938 | 2.6 | 88 | 0.00 |
| 75 | | Di-n-butylphthalate | 1.162 | 1.099 | 5.4 | 85 | 0.00 |
| 76 | C | Fluoranthene | 1.266 | 1.273 | -0.6 | 91 | 0.00 |
| 77 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 78 | S | Pyrene-d10 | 0.914 | 0.858 | 6.1 | 91 | 0.00 |
| 79 | | Pyrene | 1.197 | 1.106 | 7.6 | 90 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.455 | 0.415 | 8.8 | 87 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.371 | 0.347 | 6.5 | 93 | 0.00 |
| 82 | | Benzo(a)anthracene | 1.190 | 1.149 | 3.4 | 93 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.667 | 0.613 | 8.1 | 89 | 0.00 |
| 84 | | Chrysene | 1.115 | 1.076 | 3.5 | 93 | 0.00 |
| 85 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 86 | | Di-n-octyl phthalate | 1.245 | 1.090 | 12.4 | 90 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.226 | 1.151 | 6.1 | 96 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 1.178 | 1.144 | 2.9 | 97 | 0.00 |
| 89 | S | Benzo(a)pyrene-d12 | 1.011 | 0.976 | 3.5 | 98 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.152 | 1.112 | 3.5 | 99 | 0.00 |
| 91 | | Indeno(1,2,3-cd)pyrene | 1.209 | 1.213 | -0.3 | 107 | 0.00 |
| 92 | | Dibenzo(a,h)anthracene | 1.022 | 1.029 | -0.7 | 107 | 0.01 |
| 93 | | Benzo(g,h,i)perylene | 0.993 | 0.990 | 0.3 | 107 | 0.00 |

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