# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM030117\
Data File : BM009044.D
Acq On : 01 Mar 2017 10:53
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02060

Quant Time: Mar 02 03:18:57 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 28 00:07:15 2017
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 | 117 | 0.00 |
| 2 | | 1,4-Dioxane | 0.582 | 0.579 | 0.5 | 110 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.498 | 0.497 | 0.2 | 111 | 0.00 |
| 4 | | Benzaldehyde | 1.363 | 1.506 | -10.5 | 116 | 0.00 |
| 5 | S | Phenol-d5 | 1.813 | 1.843 | -1.7 | 118 | 0.00 |
| 6 | | Phenol | 1.913 | 1.947 | -1.8 | 118 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.298 | 1.340 | -3.2 | 120 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.500 | 1.537 | -2.5 | 119 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.208 | 1.264 | -4.6 | 119 | 0.00 |
| 10 | | 2-Chlorophenol | 1.258 | 1.322 | -5.1 | 121 | 0.00 |
| 11 | | 2-Methylphenol | 1.326 | 1.337 | -0.8 | 119 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.474 | 2.513 | -1.6 | 116 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.331 | 1.405 | -5.6 | 125 | 0.00 |
| 14 | | Acetophenone | 2.305 | 2.347 | -1.8 | 119 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.413 | 1.445 | -2.3 | 116 | 0.00 |
| 16 | | 4-Methylphenol | 1.441 | 1.496 | -3.8 | 121 | 0.00 |
| 17 | | Hexachloroethane | 0.610 | 0.634 | -3.9 | 122 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.143 | 0.145 | -1.4 | 119 | 0.00 |
| 20 | | Nitrobenzene | 0.506 | 0.513 | -1.4 | 120 | 0.00 |
| 21 | | Isophorone | 0.841 | 0.857 | -1.9 | 120 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.154 | 0.162 | -5.2 | 122 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.166 | 0.173 | -4.2 | 120 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.430 | 0.431 | -0.2 | 119 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.484 | 0.496 | -2.5 | 122 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.324 | 0.343 | -5.9 | 124 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.318 | 0.328 | -3.1 | 120 | 0.00 |
| 28 | | Naphthalene | 1.003 | 1.029 | -2.6 | 121 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.342 | 0.395 | -15.5 | 126 | 0.00 |
| 30 | | 4-Chloroaniline | 0.362 | 0.425 | -17.4 | 129 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.265 | 0.266 | -0.4 | 118 | 0.00 |
| 32 | | Caprolactam | 0.095 | 0.098 | -3.2 | 130 | -0.01 |
| 33 | C | 4-Chloro-3-methylphenol | 0.372 | 0.390 | -4.8 | 121 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.749 | 0.768 | -2.5 | 120 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.651 | 0.662 | -1.7 | 120 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.419 | 0.394 | 6.0 | 118 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.371 | 0.381 | -2.7 | 121 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.405 | 0.414 | -2.2 | 118 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.379 | 1.421 | -3.0 | 122 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.075 | 1.126 | -4.7 | 123 | 0.00 |
| 42 | | 2-Nitroaniline | 0.410 | 0.409 | 0.2 | 115 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.346 | 1.391 | -3.3 | 118 | 0.00 |
| 44 | | Dimethylphthalate | 1.347 | 1.388 | -3.0 | 120 | 0.00 |

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**Instrument :** BNA_M
**LabSampleId :** SSTD02060

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.257 | 0.263 | -2.3 | 123 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.654 | 1.721 | -4.1 | 122 | 0.00 |
| 47 | | Acenaphthylene | 1.620 | 1.679 | -3.6 | 118 | 0.00 |
| 48 | | 3-Nitroaniline | 0.252 | 0.267 | -6.0 | 119 | 0.00 |
| 49 | C | Acenaphthene | 1.157 | 1.169 | -1.0 | 117 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.166 | 0.133 | 19.9 | 105 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.235 | 0.234 | 0.4 | 120 | 0.00 |
| 52 | | 4-Nitrophenol | 0.301 | 0.303 | -0.7 | 117 | 0.00 |
| 53 | | Dibenzofuran | 1.695 | 1.725 | -1.8 | 118 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.379 | 0.408 | -7.7 | 121 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.375 | 0.402 | -7.2 | 124 | 0.00 |
| 56 | | Diethylphthalate | 1.379 | 1.421 | -3.0 | 119 | 0.00 |
| 57 | S | Fluorene-d10 | 1.257 | 1.280 | -1.8 | 119 | 0.00 |
| 58 | | Fluorene | 1.412 | 1.446 | -2.4 | 118 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.764 | 0.761 | 0.4 | 116 | 0.00 |
| 60 | | 4-Nitroaniline | 0.280 | 0.296 | -5.7 | 120 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.120 | 0.114 | 5.0 | 122 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.128 | -1.6 | 127 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.584 | 0.586 | -0.3 | 117 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.228 | 0.229 | -0.4 | 117 | 0.00 |
| 66 | | Hexachlorobenzene | 0.250 | 0.256 | -2.4 | 119 | 0.00 |
| 67 | | Atrazine | 0.229 | 0.229 | 0.0 | 119 | 0.00 |
| 68 | C | Pentachlorophenol | 0.155 | 0.153 | 1.3 | 121 | 0.00 |
| 69 | | Phenanthrene | 1.105 | 1.130 | -2.3 | 119 | 0.00 |
| 70 | S | Anthracene-d10 | 0.947 | 0.970 | -2.4 | 120 | 0.00 |
| 71 | | Anthracene | 1.128 | 1.145 | -1.5 | 118 | 0.00 |
| 72 | | Carbazole | 0.998 | 1.009 | -1.1 | 119 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.131 | 1.142 | -1.0 | 116 | 0.00 |
| 74 | C | Fluoranthene | 1.337 | 1.370 | -2.5 | 119 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 76 | S | Pyrene-d10 | 0.872 | 0.885 | -1.5 | 117 | 0.00 |
| 77 | | Pyrene | 1.117 | 1.142 | -2.2 | 119 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.402 | 0.415 | -3.2 | 119 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.383 | 0.422 | -10.2 | 121 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.141 | 1.182 | -3.6 | 117 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.583 | 0.603 | -3.4 | 117 | 0.00 |
| 82 | | Chrysene | 1.085 | 1.105 | -1.8 | 116 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.152 | 1.096 | 4.9 | 116 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.203 | 1.209 | -0.5 | 115 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.132 | 1.156 | -2.1 | 120 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.908 | 0.919 | -1.2 | 117 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.141 | 1.160 | -1.7 | 117 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.296 | 1.312 | -1.2 | 119 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.104 | 1.112 | -0.7 | 118 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.072 | 1.081 | -0.8 | 118 | 0.00 |

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