# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010417\
Data File : BM008725.D
Acq On : 04 Jan 2017 11:30
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02048

Quant Time: Jan 04 15:20:32 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 19 15:00:56 2016
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 | 118 | -0.03 |
| 2 | | 1,4-Dioxane | 0.499 | 0.488 | 2.2 | 107 | -0.03 |
| 3 | S | 1,4-Dioxane-d8 | 0.426 | 0.434 | -1.9 | 112 | -0.02 |
| 4 | | Benzaldehyde | 1.039 | 1.191 | -14.6 | 115 | -0.01 |
| 5 | S | Phenol-d5 | 1.565 | 1.574 | -0.6 | 113 | 0.00 |
| 6 | | Phenol | 1.623 | 1.671 | -3.0 | 116 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.901 | 0.940 | -4.3 | 115 | -0.03 |
| 8 | | Bis(2-Chloroethyl)ether | 1.212 | 1.235 | -1.9 | 114 | -0.03 |
| 9 | S | 2-Chlorophenol-d4 | 1.174 | 1.252 | -6.6 | 118 | -0.02 |
| 10 | | 2-Chlorophenol | 1.188 | 1.258 | -5.9 | 116 | -0.02 |
| 11 | | 2-Methylphenol | 1.186 | 1.203 | -1.4 | 114 | -0.01 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.387 | 1.501 | -8.2 | 118 | -0.04 |
| 13 | S | 4-Methylphenol-d8 | 1.207 | 1.205 | 0.2 | 112 | 0.00 |
| 14 | | Acetophenone | 1.978 | 2.028 | -2.5 | 116 | -0.02 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.013 | 1.088 | -7.4 | 117 | -0.03 |
| 16 | | 4-Methylphenol | 1.281 | 1.314 | -2.6 | 117 | 0.00 |
| 17 | | Hexachloroethane | 0.542 | 0.582 | -7.4 | 117 | -0.05 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 116 | -0.04 |
| 19 | S | Nitrobenzene-d5 | 0.144 | 0.154 | -6.9 | 117 | -0.02 |
| 20 | | Nitrobenzene | 0.370 | 0.396 | -7.0 | 117 | -0.02 |
| 21 | | Isophorone | 0.671 | 0.734 | -9.4 | 118 | -0.02 |
| 22 | S | 2-Nitrophenol-d4 | 0.159 | 0.180 | -13.2 | 125 | -0.02 |
| 23 | C | 2-Nitrophenol | 0.163 | 0.182 | -11.7 | 123 | -0.02 |
| 24 | | 2,4-Dimethylphenol | 0.367 | 0.387 | -5.4 | 114 | -0.02 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.383 | 0.413 | -7.8 | 114 | -0.02 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.293 | 0.306 | -4.4 | 111 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.295 | 0.299 | -1.4 | 108 | 0.00 |
| 28 | | Naphthalene | 0.947 | 1.020 | -7.7 | 116 | -0.04 |
| 29 | S | 4-Chloroaniline-d4 | 0.335 | 0.369 | -10.1 | 114 | 0.00 |
| 30 | | 4-Chloroaniline | 0.340 | 0.379 | -11.5 | 115 | -0.01 |
| 31 | C | Hexachlorobutadiene | 0.240 | 0.257 | -7.1 | 118 | -0.05 |
| 32 | | Caprolactam | 0.092 | 0.093 | -1.1 | 114 | 0.04 |
| 33 | C | 4-Chloro-3-methylphenol | 0.319 | 0.340 | -6.6 | 114 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.684 | 0.733 | -7.2 | 116 | -0.03 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 115 | -0.03 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.627 | 0.683 | -8.9 | 117 | -0.02 |
| 37 | | Hexachlorocyclopentadiene | 0.250 | 0.179 | 28.4# | 102 | -0.05 |
| 38 | C | 2,4,6-Trichlorophenol | 0.356 | 0.390 | -9.6 | 118 | -0.01 |
| 39 | | 2,4,5-Trichlorophenol | 0.385 | 0.403 | -4.7 | 115 | 0.01 |
| 40 | | 1,1'-Biphenyl | 1.336 | 1.445 | -8.2 | 115 | -0.03 |
| 41 | | 2-Chloronaphthalene | 1.025 | 1.103 | -7.6 | 115 | -0.02 |
| 42 | | 2-Nitroaniline | 0.302 | 0.349 | -15.6 | 123 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.332 | 1.440 | -8.1 | 114 | -0.02 |
| 44 | | Dimethylphthalate | 1.305 | 1.428 | -9.4 | 115 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.252 | 0.291 | -15.5 | 123 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.571 | 1.733 | -10.3 | 117 | -0.03 |
| 47 | | Acenaphthylene | 1.606 | 1.757 | -9.4 | 115 | -0.02 |
| 48 | | 3-Nitroaniline | 0.253 | 0.276 | -9.1 | 119 | 0.01 |
| 49 | C | Acenaphthene | 1.106 | 1.198 | -8.3 | 114 | -0.03 |
| 50 | | 2,4-Dinitrophenol | 0.148 | 0.153 | -3.4 | 136 | 0.04 |
| 51 | S | 4-Nitrophenol-d4 | 0.196 | 0.217 | -10.7 | 133 | 0.05 |
| 52 | | 4-Nitrophenol | 0.189 | 0.197 | -4.2 | 124 | 0.05 |
| 53 | | Dibenzofuran | 1.607 | 1.720 | -7.0 | 113 | -0.02 |
| 54 | | 2,4-Dinitrotoluene | 0.379 | 0.427 | -12.7 | 118 | 0.01 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.358 | 0.383 | -7.0 | 113 | 0.00 |
| 56 | | Diethylphthalate | 1.298 | 1.417 | -9.2 | 116 | -0.02 |
| 57 | S | Fluorene-d10 | 1.159 | 1.235 | -6.6 | 113 | -0.02 |
| 58 | | Fluorene | 1.316 | 1.416 | -7.6 | 115 | -0.02 |
| 59 | | 4-Chlorophenyl-phenylether | 0.703 | 0.759 | -8.0 | 114 | -0.03 |
| 60 | | 4-Nitroaniline | 0.244 | 0.241 | 1.2 | 110 | 0.02 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 112 | -0.02 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.119 | 0.111 | 6.7 | 107 | 0.02 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.116 | 4.9 | 108 | 0.01 |
| 64 | | N-Nitrosodiphenylamine | 0.543 | 0.594 | -9.4 | 113 | -0.02 |
| 65 | | 4-Bromophenyl-phenylether | 0.219 | 0.241 | -10.0 | 113 | -0.03 |
| 66 | | Hexachlorobenzene | 0.249 | 0.270 | -8.4 | 112 | -0.02 |
| 67 | | Atrazine | 0.222 | 0.241 | -8.6 | 118 | -0.02 |
| 68 | C | Pentachlorophenol | 0.134 | 0.104 | 22.4 | 89 | 0.00 |
| 69 | | Phenanthrene | 1.027 | 1.103 | -7.4 | 111 | -0.02 |
| 70 | S | Anthracene-d10 | 0.871 | 0.940 | -7.9 | 112 | -0.02 |
| 71 | | Anthracene | 1.041 | 1.134 | -8.9 | 112 | -0.02 |
| 72 | | Carbazole | 0.914 | 0.970 | -6.1 | 113 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.022 | 1.144 | -11.9 | 116 | -0.03 |
| 74 | C | Fluoranthene | 1.258 | 1.350 | -7.3 | 112 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 115 | 0.00 |
| 76 | S | Pyrene-d10 | 0.772 | 0.821 | -6.3 | 112 | -0.01 |
| 77 | | Pyrene | 0.981 | 1.039 | -5.9 | 113 | -0.01 |
| 78 | | Butylbenzylphthalate | 0.351 | 0.400 | -14.0 | 122 | -0.02 |
| 79 | | 3,3'-Dichlorobenzidine | 0.350 | 0.401 | -14.6 | 119 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.030 | 1.123 | -9.0 | 116 | -0.01 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.513 | 0.592 | -15.4 | 122 | -0.03 |
| 82 | | Chrysene | 0.996 | 1.102 | -10.6 | 116 | -0.01 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.957 | 1.019 | -6.5 | 123 | -0.03 |
| 85 | | Benzo(b)fluoranthene | 1.076 | 1.160 | -7.8 | 121 | -0.01 |
| 86 | | Benzo(k)fluoranthene | 1.031 | 1.109 | -7.6 | 116 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.834 | 0.903 | -8.3 | 121 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.042 | 1.139 | -9.3 | 119 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.262 | 1.384 | -9.7 | 121 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.059 | 1.154 | -9.0 | 120 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.052 | 1.153 | -9.6 | 121 | 0.01 |

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