# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110618\
Data File : BM017530.D
Acq On : 06 Nov 2018 15:58
Operator : MJ/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02092

Quant Time: Nov 06 16:33:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 06 12:04:23 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 2 | | 1,4-Dioxane | 0.438 | 0.470 | -7.3 | 109 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.435 | 0.451 | -3.7 | 106 | 0.00 |
| 4 | | Benzaldehyde | 0.348 | 0.316 | 9.2 | 95 | 0.00 |
| 5 | S | Phenol-d5 | 1.827 | 1.772 | 3.0 | 102 | 0.00 |
| 6 | | Phenol | 1.814 | 1.775 | 2.1 | 103 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.065 | 1.121 | -5.3 | 109 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.374 | 1.390 | -1.2 | 103 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.416 | 1.454 | -2.7 | 105 | 0.00 |
| 10 | | 2-Chlorophenol | 1.423 | 1.441 | -1.3 | 104 | 0.00 |
| 11 | | 2-Methylphenol | 1.366 | 1.356 | 0.7 | 105 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.831 | 2.069 | -13.0 | 115 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.445 | 1.463 | -1.2 | 107 | 0.00 |
| 14 | | Acetophenone | 2.226 | 2.271 | -2.0 | 105 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.093 | 1.181 | -8.1 | 109 | 0.00 |
| 16 | | 4-Methylphenol | 1.471 | 1.471 | 0.0 | 104 | 0.00 |
| 17 | | Hexachloroethane | 0.556 | 0.592 | -6.5 | 110 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.156 | 0.157 | -0.6 | 105 | 0.00 |
| 20 | | Nitrobenzene | 0.369 | 0.382 | -3.5 | 108 | 0.00 |
| 21 | | Isophorone | 0.671 | 0.722 | -7.6 | 110 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.175 | 0.179 | -2.3 | 106 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.185 | 0.187 | -1.1 | 104 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.367 | 0.385 | -4.9 | 108 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.426 | 0.446 | -4.7 | 108 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.326 | 0.341 | -4.6 | 108 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.312 | 0.321 | -2.9 | 106 | 0.00 |
| 28 | | Naphthalene | 1.046 | 1.054 | -0.8 | 105 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.266 | 0.303 | -13.9 | 123 | 0.00 |
| 30 | | 4-Chloroaniline | 0.272 | 0.305 | -12.1 | 119 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.206 | 0.214 | -3.9 | 110 | 0.00 |
| 32 | | Caprolactam | 0.106 | 0.108 | -1.9 | 108 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.343 | 0.376 | -9.6 | 112 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.769 | 0.789 | -2.6 | 107 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.737 | 0.759 | -3.0 | 106 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 110 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.672 | 0.662 | 1.5 | 109 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.429 | 0.389 | 9.3 | 103 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.426 | 0.437 | -2.6 | 112 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.459 | 0.476 | -3.7 | 113 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.655 | 1.625 | 1.8 | 107 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.293 | 1.277 | 1.2 | 109 | 0.00 |
| 43 | | 2-Nitroaniline | 0.364 | 0.393 | -8.0 | 118 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.715 | 1.775 | -3.5 | 113 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.662 | 1.718 | -3.4 | 113 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.334 | 0.349 | -4.5 | 112 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 2.083 | 2.126 | -2.1 | 111 | 0.00 |
| 48 | | Acenaphthylene | 1.954 | 1.982 | -1.4 | 110 | 0.00 |
| 49 | | 3-Nitroaniline | 0.314 | 0.317 | -1.0 | 119 | 0.00 |
| 50 | C | Acenaphthene | 1.399 | 1.410 | -0.8 | 111 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.222 | 0.214 | 3.6 | 119 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.320 | 0.317 | 0.9 | 112 | 0.00 |
| 53 | | 4-Nitrophenol | 0.243 | 0.260 | -7.0 | 117 | 0.00 |
| 54 | | Dibenzofuran | 1.982 | 2.018 | -1.8 | 111 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.498 | 0.535 | -7.4 | 114 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.425 | 0.451 | -6.1 | 115 | 0.00 |
| 57 | | Diethylphthalate | 1.661 | 1.810 | -9.0 | 118 | 0.00 |
| 58 | S | Fluorene-d10 | 1.490 | 1.529 | -2.6 | 112 | 0.00 |
| 59 | | Fluorene | 1.634 | 1.704 | -4.3 | 114 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.836 | 0.880 | -5.3 | 114 | 0.00 |
| 61 | | 4-Nitroaniline | 0.377 | 0.345 | 8.5 | 98 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.139 | 0.138 | 0.7 | 119 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.142 | 0.142 | 0.0 | 117 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.601 | 0.612 | -1.8 | 116 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.225 | 0.228 | -1.3 | 117 | 0.00 |
| 67 | | Hexachlorobenzene | 0.253 | 0.256 | -1.2 | 115 | 0.00 |
| 68 | | Atrazine | 0.221 | 0.231 | -4.5 | 120 | 0.00 |
| 69 | C | Pentachlorophenol | 0.158 | 0.156 | 1.3 | 116 | 0.00 |
| 70 | | Phenanthrene | 1.148 | 1.150 | -0.2 | 113 | 0.00 |
| 71 | S | Anthracene-d10 | 0.990 | 1.009 | -1.9 | 115 | 0.00 |
| 72 | | Anthracene | 1.166 | 1.185 | -1.6 | 114 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.282 | 0.266 | 5.7 | 109 | 0.00 |
| 74 | | Pentachlorobenzene | 0.290 | 0.277 | 4.5 | 109 | 0.00 |
| 75 | | Carbazole | 1.020 | 1.041 | -2.1 | 113 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.192 | 1.353 | -13.5 | 127 | 0.00 |
| 77 | C | Fluoranthene | 1.316 | 1.414 | -7.4 | 115 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 79 | S | Pyrene-d10 | 0.927 | 0.948 | -2.3 | 115 | 0.00 |
| 80 | | Pyrene | 1.161 | 1.187 | -2.2 | 114 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.464 | 0.534 | -15.1 | 128 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.391 | 0.413 | -5.6 | 124 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.224 | 1.247 | -1.9 | 114 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.678 | 0.829 | -22.3 | 135 | 0.00 |
| 85 | | Chrysene | 1.164 | 1.179 | -1.3 | 113 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.042 | 1.415 | -35.8# | 133 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.171 | 1.242 | -6.1 | 104 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.144 | 1.231 | -7.6 | 112 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 1.056 | 1.097 | -3.9 | 106 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.144 | 1.188 | -3.8 | 105 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.392 | 1.301 | 6.5 | 96 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.162 | 1.100 | 5.3 | 96 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.182 | 1.057 | 10.6 | 93 | 0.00 |

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