# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102016\
Data File : BM007706.D
Acq On : 20 Oct 2016 16:53
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02050

Quant Time: Oct 20 17:45:41 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 20 17:01:48 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 | 93 | -0.02 |
| 2 | | 1,4-Dioxane | 0.510 | 0.497 | 2.5 | 90 | -0.01 |
| 3 | S | 1,4-Dioxane-d8 | 0.467 | 0.456 | 2.4 | 88 | -0.01 |
| 4 | | Benzaldehyde | 0.976 | 1.065 | -9.1 | 90 | -0.02 |
| 5 | S | Phenol-d5 | 1.544 | 1.487 | 3.7 | 93 | -0.02 |
| 6 | | Phenol | 1.584 | 1.520 | 4.0 | 90 | -0.02 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.916 | 0.884 | 3.5 | 90 | -0.02 |
| 8 | | Bis(2-Chloroethyl)ether | 1.221 | 1.207 | 1.1 | 92 | -0.02 |
| 9 | S | 2-Chlorophenol-d4 | 1.184 | 1.190 | -0.5 | 93 | -0.02 |
| 10 | | 2-Chlorophenol | 1.215 | 1.221 | -0.5 | 92 | -0.02 |
| 11 | | 2-Methylphenol | 1.153 | 1.127 | 2.3 | 94 | -0.02 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.353 | 1.320 | 2.4 | 90 | -0.02 |
| 13 | S | 4-Methylphenol-d8 | 1.208 | 1.170 | 3.1 | 92 | -0.02 |
| 14 | | Acetophenone | 1.894 | 1.850 | 2.3 | 92 | -0.02 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.940 | 0.933 | 0.7 | 93 | -0.02 |
| 16 | | 4-Methylphenol | 1.243 | 1.213 | 2.4 | 93 | -0.02 |
| 17 | | Hexachloroethane | 0.537 | 0.531 | 1.1 | 90 | -0.02 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 93 | -0.02 |
| 19 | S | Nitrobenzene-d5 | 0.144 | 0.142 | 1.4 | 90 | -0.02 |
| 20 | | Nitrobenzene | 0.370 | 0.364 | 1.6 | 91 | -0.02 |
| 21 | | Isophorone | 0.633 | 0.640 | -1.1 | 94 | -0.02 |
| 22 | S | 2-Nitrophenol-d4 | 0.153 | 0.157 | -2.6 | 96 | -0.02 |
| 23 | C | 2-Nitrophenol | 0.159 | 0.167 | -5.0 | 95 | -0.02 |
| 24 | | 2,4-Dimethylphenol | 0.364 | 0.368 | -1.1 | 93 | -0.02 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.387 | 0.392 | -1.3 | 94 | -0.02 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.300 | 0.301 | -0.3 | 93 | -0.02 |
| 27 | C | 2,4-Dichlorophenol | 0.295 | 0.300 | -1.7 | 93 | -0.02 |
| 28 | | Naphthalene | 0.973 | 0.959 | 1.4 | 92 | -0.02 |
| 29 | S | 4-Chloroaniline-d4 | 0.342 | 0.356 | -4.1 | 94 | -0.02 |
| 30 | | 4-Chloroaniline | 0.347 | 0.364 | -4.9 | 94 | -0.02 |
| 31 | C | Hexachlorobutadiene | 0.241 | 0.240 | 0.4 | 92 | -0.02 |
| 32 | | Caprolactam | 0.082 | 0.078 | 4.9 | 97 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.310 | 0.315 | -1.6 | 94 | -0.02 |
| 34 | | 2-Methylnaphthalene | 0.692 | 0.696 | -0.6 | 93 | -0.02 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 94 | -0.02 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.646 | 0.653 | -1.1 | 94 | -0.02 |
| 37 | | Hexachlorocyclopentadiene | 0.380 | 0.352 | 7.4 | 95 | -0.02 |
| 38 | C | 2,4,6-Trichlorophenol | 0.359 | 0.363 | -1.1 | 95 | -0.02 |
| 39 | | 2,4,5-Trichlorophenol | 0.393 | 0.398 | -1.3 | 95 | -0.02 |
| 40 | | 1,1'-Biphenyl | 1.410 | 1.405 | 0.4 | 92 | -0.02 |
| 41 | | 2-Chloronaphthalene | 1.079 | 1.083 | -0.4 | 94 | -0.02 |
| 42 | | 2-Nitroaniline | 0.286 | 0.291 | -1.7 | 94 | -0.02 |
| 43 | S | Dimethylphthalate-d6 | 1.362 | 1.378 | -1.2 | 96 | -0.02 |
| 44 | | Dimethylphthalate | 1.322 | 1.344 | -1.7 | 95 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.249 | 0.256 | -2.8 | 98 | -0.02 |
| 46 | S | Acenaphthylene-d8 | 1.639 | 1.671 | -2.0 | 94 | -0.02 |
| 47 | | Acenaphthylene | 1.662 | 1.697 | -2.1 | 95 | -0.02 |
| 48 | | 3-Nitroaniline | 0.246 | 0.252 | -2.4 | 98 | -0.02 |
| 49 | C | Acenaphthene | 1.147 | 1.150 | -0.3 | 95 | -0.02 |
| 50 | | 2,4-Dinitrophenol | 0.153 | 0.130 | 15.0 | 96 | -0.01 |
| 51 | S | 4-Nitrophenol-d4 | 0.215 | 0.214 | 0.5 | 104 | -0.02 |
| 52 | | 4-Nitrophenol | 0.214 | 0.203 | 5.1 | 95 | -0.02 |
| 53 | | Dibenzofuran | 1.647 | 1.650 | -0.2 | 94 | -0.02 |
| 54 | | 2,4-Dinitrotoluene | 0.359 | 0.382 | -6.4 | 99 | -0.02 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.351 | 0.356 | -1.4 | 96 | -0.02 |
| 56 | | Diethylphthalate | 1.309 | 1.349 | -3.1 | 98 | -0.02 |
| 57 | S | Fluorene-d10 | 1.194 | 1.200 | -0.5 | 94 | -0.02 |
| 58 | | Fluorene | 1.315 | 1.333 | -1.4 | 95 | -0.02 |
| 59 | | 4-Chlorophenyl-phenylether | 0.701 | 0.709 | -1.1 | 95 | -0.02 |
| 60 | | 4-Nitroaniline | 0.248 | 0.242 | 2.4 | 105 | -0.02 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 97 | -0.02 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.119 | 0.111 | 6.7 | 101 | -0.02 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.123 | 0.117 | 4.9 | 100 | -0.02 |
| 64 | | N-Nitrosodiphenylamine | 0.572 | 0.575 | -0.5 | 96 | -0.02 |
| 65 | | 4-Bromophenyl-phenylether | 0.228 | 0.229 | -0.4 | 97 | -0.02 |
| 66 | | Hexachlorobenzene | 0.253 | 0.257 | -1.6 | 97 | -0.02 |
| 67 | | Atrazine | 0.220 | 0.217 | 1.4 | 99 | -0.02 |
| 68 | C | Pentachlorophenol | 0.142 | 0.134 | 5.6 | 103 | -0.02 |
| 69 | | Phenanthrene | 1.063 | 1.058 | 0.5 | 96 | -0.02 |
| 70 | S | Anthracene-d10 | 0.901 | 0.907 | -0.7 | 96 | -0.02 |
| 71 | | Anthracene | 1.083 | 1.075 | 0.7 | 95 | -0.02 |
| 72 | | Carbazole | 0.937 | 0.932 | 0.5 | 97 | -0.02 |
| 73 | | Di-n-butylphthalate | 1.044 | 1.075 | -3.0 | 98 | -0.02 |
| 74 | C | Fluoranthene | 1.243 | 1.264 | -1.7 | 98 | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 98 | -0.02 |
| 76 | S | Pyrene-d10 | 0.822 | 0.817 | 0.6 | 98 | -0.02 |
| 77 | | Pyrene | 1.033 | 1.019 | 1.4 | 97 | -0.02 |
| 78 | | Butylbenzylphthalate | 0.368 | 0.383 | -4.1 | 103 | -0.02 |
| 79 | | 3,3'-Dichlorobenzidine | 0.355 | 0.367 | -3.4 | 102 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.069 | 1.080 | -1.0 | 100 | -0.01 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.541 | 0.566 | -4.6 | 103 | -0.01 |
| 82 | | Chrysene | 1.027 | 1.031 | -0.4 | 99 | -0.02 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 100 | -0.02 |
| 84 | | Di-n-octyl phthalate | 1.014 | 0.994 | 2.0 | 103 | -0.02 |
| 85 | | Benzo(b)fluoranthene | 1.143 | 1.162 | -1.7 | 102 | -0.02 |
| 86 | | Benzo(k)fluoranthene | 1.051 | 1.054 | -0.3 | 99 | -0.02 |
| 87 | S | Benzo(a)pyrene-d12 | 0.873 | 0.888 | -1.7 | 101 | -0.03 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.076 | 1.089 | -1.2 | 100 | -0.03 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.289 | 1.310 | -1.6 | 101 | -0.04 |
| 90 | Dibenzo(a,h)anthracene | 1.088 | 1.108 | -1.8 | 101 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.083 | 1.096 | -1.2 | 100 | -0.04 |

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