# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM070517\
Data File : BM010786.D
Acq On : 05 Jul 2017 13:00
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02011

Quant Time: Jul 05 17:43:15 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 04 03:38:15 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 | 64 | 0.00 |
| 2 | | 1,4-Dioxane | 0.390 | 0.422 | -8.2 | 63 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.349 | 0.392 | -12.3 | 67 | 0.00 |
| 4 | | Benzaldehyde | 1.121 | 1.255 | -12.0 | 59 | 0.00 |
| 5 | S | Phenol-d5 | 1.905 | 1.685 | 11.5 | 57 | 0.00 |
| 6 | | Phenol | 1.962 | 1.749 | 10.9 | 58 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.088 | 0.974 | 10.5 | 55 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.429 | 1.287 | 9.9 | 57 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.337 | 1.261 | 5.7 | 60 | 0.00 |
| 10 | | 2-Chlorophenol | 1.336 | 1.233 | 7.7 | 57 | 0.00 |
| 11 | | 2-Methylphenol | 1.496 | 1.329 | 11.2 | 56 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 0.997 | 0.854 | 14.3 | 53 | -0.01 |
| 13 | S | 4-Methylphenol-d8 | 1.580 | 1.429 | 9.6 | 57 | 0.00 |
| 14 | | Acetophenone | 2.579 | 2.366 | 8.3 | 59 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.390 | 1.290 | 7.2 | 57 | 0.00 |
| 16 | | 4-Methylphenol | 1.646 | 1.510 | 8.3 | 59 | 0.00 |
| 17 | | Hexachloroethane | 0.594 | 0.639 | -7.6 | 68 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.143 | 0.145 | -1.4 | 63 | 0.00 |
| 20 | | Nitrobenzene | 0.416 | 0.460 | -10.6 | 66 | 0.00 |
| 21 | | Isophorone | 0.828 | 0.745 | 10.0 | 53 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.164 | 0.175 | -6.7 | 64 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.174 | 0.178 | -2.3 | 60 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.443 | 0.457 | -3.2 | 63 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.459 | 0.437 | 4.8 | 56 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.346 | 0.350 | -1.2 | 61 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.337 | 0.344 | -2.1 | 61 | 0.00 |
| 28 | | Naphthalene | 0.995 | 1.012 | -1.7 | 61 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.365 | 0.428 | -17.3 | 61 | 0.00 |
| 30 | | 4-Chloroaniline | 0.367 | 0.409 | -11.4 | 59 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.254 | 0.300 | -18.1 | 71 | 0.00 |
| 32 | | Caprolactam | 0.118 | 0.104 | 11.9 | 51 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.430 | 0.433 | -0.7 | 59 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.800 | 0.830 | -3.7 | 63 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 68 | -0.01 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.706 | 0.712 | -0.8 | 67 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.406 | 0.342 | 15.8 | 61 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.482 | 0.474 | 1.7 | 66 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.498 | 0.491 | 1.4 | 66 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.564 | 1.504 | 3.8 | 65 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.230 | 1.177 | 4.3 | 65 | 0.00 |
| 42 | | 2-Nitroaniline | 0.360 | 0.399 | -10.8 | 75 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.756 | 1.684 | 4.1 | 64 | 0.00 |
| 44 | | Dimethylphthalate | 1.721 | 1.621 | 5.8 | 63 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.298 | 0.324 | -8.7 | 74 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.042 | 1.971 | 3.5 | 65 | 0.00 |
| 47 | | Acenaphthylene | 1.945 | 1.900 | 2.3 | 66 | 0.00 |
| 48 | | 3-Nitroaniline | 0.301 | 0.319 | -6.0 | 71 | 0.00 |
| 49 | C | Acenaphthene | 1.312 | 1.258 | 4.1 | 65 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.216 | 0.216 | 0.0 | 78 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.309 | 0.278 | 10.0 | 63 | 0.00 |
| 52 | | 4-Nitrophenol | 0.392 | 0.505 | -28.8# | 87 | 0.00 |
| 53 | | Dibenzofuran | 1.987 | 2.030 | -2.2 | 69 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.462 | 0.506 | -9.5 | 74 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.504 | 0.529 | -5.0 | 70 | 0.00 |
| 56 | | Diethylphthalate | 1.811 | 1.820 | -0.5 | 68 | 0.00 |
| 57 | S | Fluorene-d10 | 1.518 | 1.584 | -4.3 | 71 | 0.00 |
| 58 | | Fluorene | 1.664 | 1.669 | -0.3 | 68 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.904 | 0.960 | -6.2 | 72 | 0.00 |
| 60 | | 4-Nitroaniline | 0.355 | 0.353 | 0.6 | 70 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.117 | 4.9 | 78 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.122 | 6.9 | 76 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.555 | 0.522 | 5.9 | 70 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.229 | 0.219 | 4.4 | 72 | 0.00 |
| 66 | | Hexachlorobenzene | 0.241 | 0.233 | 3.3 | 73 | 0.00 |
| 67 | | Atrazine | 0.234 | 0.237 | -1.3 | 74 | 0.00 |
| 68 | C | Pentachlorophenol | 0.170 | 0.153 | 10.0 | 69 | 0.00 |
| 69 | | Phenanthrene | 1.063 | 1.052 | 1.0 | 74 | 0.00 |
| 70 | S | Anthracene-d10 | 0.966 | 0.989 | -2.4 | 76 | 0.00 |
| 71 | | Anthracene | 1.095 | 1.109 | -1.3 | 75 | 0.00 |
| 72 | | Carbazole | 0.956 | 0.943 | 1.4 | 74 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.215 | 1.190 | 2.1 | 72 | 0.00 |
| 74 | C | Fluoranthene | 1.370 | 1.461 | -6.6 | 80 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 76 | S | Pyrene-d10 | 0.929 | 0.958 | -3.1 | 79 | 0.00 |
| 77 | | Pyrene | 1.155 | 1.180 | -2.2 | 79 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.434 | 0.470 | -8.3 | 84 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.400 | 0.377 | 5.8 | 72 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.165 | 1.191 | -2.2 | 79 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.663 | 0.700 | -5.6 | 82 | 0.00 |
| 82 | | Chrysene | 1.038 | 1.069 | -3.0 | 79 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.398 | 1.485 | -6.2 | 83 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.298 | 1.299 | -0.1 | 72 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.231 | 1.257 | -2.1 | 72 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.967 | 0.973 | -0.6 | 71 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.195 | 1.189 | 0.5 | 71 | -0.01 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.240 | 1.256 | -1.3 | 71 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.033 | 1.033 | 0.0 | 70 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 0.987 | 1.017 | -3.0 | 72 | -0.02 |

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