# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM021918\
Data File : BM014297.D
Acq On : 19 Feb 2018 16:30
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02045

Quant Time: Feb 20 01:11:25 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 17 06:25:12 2018
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 | 74 | 0.00 |
| 2 | | 1,4-Dioxane | 0.519 | 0.588 | -13.3 | 88 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.467 | 0.564 | -20.8# | 96 | 0.00 |
| 4 | | Benzaldehyde | 0.689 | 0.794 | -15.2 | 74 | 0.00 |
| 5 | S | Phenol-d5 | 1.690 | 1.620 | 4.1 | 77 | 0.00 |
| 6 | | Phenol | 1.774 | 1.710 | 3.6 | 78 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.023 | 1.018 | 0.5 | 76 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.287 | 1.263 | 1.9 | 75 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.296 | 1.349 | -4.1 | 78 | 0.00 |
| 10 | | 2-Chlorophenol | 1.323 | 1.311 | 0.9 | 79 | 0.00 |
| 11 | | 2-Methylphenol | 1.357 | 1.314 | 3.2 | 79 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.299 | 1.315 | -1.2 | 81 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.479 | 1.472 | 0.5 | 80 | 0.00 |
| 14 | | Acetophenone | 2.552 | 2.530 | 0.9 | 83 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.279 | 1.366 | -6.8 | 85 | 0.00 |
| 16 | | 4-Methylphenol | 1.478 | 1.422 | 3.8 | 78 | 0.00 |
| 17 | | Hexachloroethane | 0.689 | 0.742 | -7.7 | 83 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.148 | 0.137 | 7.4 | 75 | 0.00 |
| 20 | | Nitrobenzene | 0.437 | 0.417 | 4.6 | 79 | 0.00 |
| 21 | | Isophorone | 0.748 | 0.749 | -0.1 | 82 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.153 | 0.149 | 2.6 | 75 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.166 | 0.172 | -3.6 | 83 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.406 | 0.419 | -3.2 | 86 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.394 | 0.387 | 1.8 | 79 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.317 | 0.299 | 5.7 | 75 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.301 | 0.294 | 2.3 | 83 | 0.00 |
| 28 | | Naphthalene | 1.027 | 1.020 | 0.7 | 82 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.312 | 0.355 | -13.8 | 86 | 0.00 |
| 30 | | 4-Chloroaniline | 0.318 | 0.361 | -13.5 | 86 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.239 | 0.257 | -7.5 | 90 | 0.00 |
| 32 | | Caprolactam | 0.096 | 0.095 | 1.0 | 81 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.363 | 0.374 | -3.0 | 84 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.782 | 0.796 | -1.8 | 83 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.642 | 0.628 | 2.2 | 86 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.349 | 0.301 | 13.8 | 86 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.401 | 0.391 | 2.5 | 86 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.409 | 0.389 | 4.9 | 78 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.541 | 1.542 | -0.1 | 86 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.231 | 1.199 | 2.6 | 84 | 0.00 |
| 42 | | 2-Nitroaniline | 0.416 | 0.417 | -0.2 | 85 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.652 | 1.621 | 1.9 | 85 | 0.00 |
| 44 | | Dimethylphthalate | 1.629 | 1.602 | 1.7 | 87 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.309 | 0.328 | -6.1 | 91 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.037 | 2.042 | -0.2 | 87 | 0.00 |
| 47 | | Acenaphthylene | 1.925 | 1.907 | 0.9 | 85 | 0.00 |
| 48 | | 3-Nitroaniline | 0.262 | 0.240 | 8.4 | 89 | 0.00 |
| 49 | C | Acenaphthene | 1.355 | 1.397 | -3.1 | 91 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.166 | 0.129 | 22.3# | 91 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.228 | 0.184 | 19.3 | 86 | 0.00 |
| 52 | | 4-Nitrophenol | 0.299 | 0.258 | 13.7 | 85 | 0.00 |
| 53 | | Dibenzofuran | 2.032 | 2.074 | -2.1 | 89 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.496 | 0.518 | -4.4 | 89 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.414 | 0.421 | -1.7 | 88 | 0.00 |
| 56 | | Diethylphthalate | 1.815 | 1.907 | -5.1 | 91 | 0.00 |
| 57 | S | Fluorene-d10 | 1.480 | 1.528 | -3.2 | 90 | 0.00 |
| 58 | | Fluorene | 1.755 | 1.781 | -1.5 | 89 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.918 | 0.946 | -3.1 | 91 | 0.00 |
| 60 | | 4-Nitroaniline | 0.294 | 0.230 | 21.8# | 82 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.120 | 0.107 | 10.8 | 92 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.122 | 0.110 | 9.8 | 91 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.575 | 0.565 | 1.7 | 90 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.223 | 0.223 | 0.0 | 94 | 0.00 |
| 66 | | Hexachlorobenzene | 0.235 | 0.235 | 0.0 | 95 | 0.00 |
| 67 | | Atrazine | 0.227 | 0.228 | -0.4 | 95 | 0.00 |
| 68 | C | Pentachlorophenol | 0.123 | 0.109 | 11.4 | 95 | 0.00 |
| 69 | | Phenanthrene | 1.152 | 1.148 | 0.3 | 93 | 0.00 |
| 70 | S | Anthracene-d10 | 0.965 | 0.981 | -1.7 | 93 | 0.00 |
| 71 | | Anthracene | 1.159 | 1.161 | -0.2 | 91 | 0.00 |
| 72 | | Carbazole | 0.974 | 0.946 | 2.9 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.257 | 1.307 | -4.0 | 93 | 0.00 |
| 74 | C | Fluoranthene | 1.377 | 1.405 | -2.0 | 95 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 76 | S | Pyrene-d10 | 1.032 | 0.998 | 3.3 | 95 | 0.00 |
| 77 | | Pyrene | 1.329 | 1.280 | 3.7 | 95 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.550 | 0.529 | 3.8 | 93 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.352 | 0.289 | 17.9 | 93 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.248 | 1.214 | 2.7 | 96 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.787 | 0.796 | -1.1 | 98 | 0.00 |
| 82 | | Chrysene | 1.164 | 1.131 | 2.8 | 94 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.716 | 1.519 | 11.5 | 100 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.339 | 1.287 | 3.9 | 98 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.273 | 1.307 | -2.7 | 107 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.973 | 0.974 | -0.1 | 103 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.197 | 1.191 | 0.5 | 105 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.161 | 1.126 | 3.0 | 103 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.965 | 0.930 | 3.6 | 103 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.941 | 0.869 | 7.7 | 100 | 0.01 |

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