# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM062317\
Data File : BM010714.D
Acq On : 24 Jun 2017 05:38
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 24 06:35:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 24 04:37:39 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 | 77 | 0.00 |
| 2 | | 1,4-Dioxane | 0.390 | 0.392 | -0.5 | 70 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.349 | 0.346 | 0.9 | 71 | 0.00 |
| 4 | | Benzaldehyde | 1.121 | 1.206 | -7.6 | 68 | 0.00 |
| 5 | S | Phenol-d5 | 1.905 | 1.673 | 12.2 | 67 | 0.00 |
| 6 | | Phenol | 1.962 | 1.747 | 11.0 | 69 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.088 | 0.926 | 14.9 | 62 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.429 | 1.287 | 9.9 | 68 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.337 | 1.264 | 5.5 | 72 | 0.00 |
| 10 | | 2-Chlorophenol | 1.336 | 1.225 | 8.3 | 68 | 0.00 |
| 11 | | 2-Methylphenol | 1.496 | 1.353 | 9.6 | 69 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 0.997 | 0.774 | 22.4# | 57 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.580 | 1.394 | 11.8 | 67 | 0.00 |
| 14 | | Acetophenone | 2.579 | 2.376 | 7.9 | 70 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.390 | 1.271 | 8.6 | 67 | 0.00 |
| 16 | | 4-Methylphenol | 1.646 | 1.486 | 9.7 | 69 | 0.00 |
| 17 | | Hexachloroethane | 0.594 | 0.597 | -0.5 | 75 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.143 | 0.149 | -4.2 | 79 | 0.00 |
| 20 | | Nitrobenzene | 0.416 | 0.416 | 0.0 | 73 | 0.00 |
| 21 | | Isophorone | 0.828 | 0.730 | 11.8 | 64 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.164 | 0.174 | -6.1 | 78 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.174 | 0.186 | -6.9 | 77 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.443 | 0.449 | -1.4 | 75 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.459 | 0.409 | 10.9 | 65 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.346 | 0.359 | -3.8 | 77 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.337 | 0.340 | -0.9 | 74 | 0.00 |
| 28 | | Naphthalene | 0.995 | 0.965 | 3.0 | 71 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.365 | 0.423 | -15.9 | 74 | 0.00 |
| 30 | | 4-Chloroaniline | 0.367 | 0.402 | -9.5 | 71 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.254 | 0.277 | -9.1 | 80 | 0.00 |
| 32 | | Caprolactam | 0.118 | 0.105 | 11.0 | 63 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.430 | 0.420 | 2.3 | 70 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.800 | 0.796 | 0.5 | 74 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.706 | 0.742 | -5.1 | 79 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.406 | 0.364 | 10.3 | 73 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.482 | 0.492 | -2.1 | 77 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.498 | 0.521 | -4.6 | 79 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.564 | 1.571 | -0.4 | 77 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.230 | 1.241 | -0.9 | 77 | 0.00 |
| 42 | | 2-Nitroaniline | 0.360 | 0.396 | -10.0 | 84 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.756 | 1.714 | 2.4 | 73 | 0.00 |
| 44 | | Dimethylphthalate | 1.721 | 1.680 | 2.4 | 74 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.298 | 0.332 | -11.4 | 85 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.042 | 2.006 | 1.8 | 75 | 0.00 |
| 47 | | Acenaphthylene | 1.945 | 1.920 | 1.3 | 75 | 0.00 |
| 48 | | 3-Nitroaniline | 0.301 | 0.318 | -5.6 | 80 | 0.00 |
| 49 | C | Acenaphthene | 1.312 | 1.265 | 3.6 | 74 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.216 | 0.228 | -5.6 | 92 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.309 | 0.296 | 4.2 | 75 | 0.00 |
| 52 | | 4-Nitrophenol | 0.392 | 0.464 | -18.4 | 90 | 0.00 |
| 53 | | Dibenzofuran | 1.987 | 2.004 | -0.9 | 76 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.462 | 0.505 | -9.3 | 83 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.504 | 0.501 | 0.6 | 75 | 0.00 |
| 56 | | Diethylphthalate | 1.811 | 1.763 | 2.7 | 74 | 0.00 |
| 57 | S | Fluorene-d10 | 1.518 | 1.541 | -1.5 | 77 | 0.00 |
| 58 | | Fluorene | 1.664 | 1.666 | -0.1 | 77 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.904 | 0.921 | -1.9 | 78 | 0.00 |
| 60 | | 4-Nitroaniline | 0.355 | 0.355 | 0.0 | 79 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.129 | -4.9 | 89 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.132 | -0.8 | 86 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.555 | 0.547 | 1.4 | 77 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.229 | 0.227 | 0.9 | 78 | 0.00 |
| 66 | | Hexachlorobenzene | 0.241 | 0.237 | 1.7 | 77 | 0.00 |
| 67 | | Atrazine | 0.234 | 0.241 | -3.0 | 79 | 0.00 |
| 68 | C | Pentachlorophenol | 0.170 | 0.160 | 5.9 | 75 | 0.00 |
| 69 | | Phenanthrene | 1.063 | 1.045 | 1.7 | 77 | 0.00 |
| 70 | S | Anthracene-d10 | 0.966 | 0.956 | 1.0 | 76 | 0.00 |
| 71 | | Anthracene | 1.095 | 1.088 | 0.6 | 77 | 0.00 |
| 72 | | Carbazole | 0.956 | 0.905 | 5.3 | 73 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.215 | 1.145 | 5.8 | 72 | 0.00 |
| 74 | C | Fluoranthene | 1.370 | 1.333 | 2.7 | 76 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 75 | 0.00 |
| 76 | S | Pyrene-d10 | 0.929 | 0.972 | -4.6 | 75 | 0.00 |
| 77 | | Pyrene | 1.155 | 1.201 | -4.0 | 75 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.434 | 0.458 | -5.5 | 76 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.400 | 0.393 | 1.8 | 70 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.165 | 1.178 | -1.1 | 74 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.663 | 0.678 | -2.3 | 74 | 0.00 |
| 82 | | Chrysene | 1.038 | 1.046 | -0.8 | 73 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 62 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.398 | 1.541 | -10.2 | 75 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.298 | 1.425 | -9.8 | 68 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.231 | 1.253 | -1.8 | 63 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.967 | 0.983 | -1.7 | 63 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.195 | 1.206 | -0.9 | 62 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.240 | 1.175 | 5.2 | 58 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.033 | 0.982 | 4.9 | 58 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.987 | 0.960 | 2.7 | 59 | 0.00 |

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