# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061217\
Data File : BM010527.D
Acq On : 12 Jun 2017 09:44
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02026

Quant Time: Jun 13 02:13:44 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 08 01:22:27 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 | 33 | 0.00 |
| 2 | | 1,4-Dioxane | 0.520 | 0.433 | 16.7 | 29 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.487 | 0.415 | 14.8 | 28 | 0.00 |
| 4 | | Benzaldehyde | 1.019 | 1.063 | -4.3 | 33 | 0.00 |
| 5 | S | Phenol-d5 | 1.516 | 1.265 | 16.6 | 29 | 0.00 |
| 6 | | Phenol | 1.554 | 1.277 | 17.8 | 28 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.852 | 0.751 | 11.9 | 30 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.078 | 0.869 | 19.4 | 28 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.208 | 1.110 | 8.1 | 31 | 0.00 |
| 10 | | 2-Chlorophenol | 1.212 | 1.157 | 4.5 | 32 | 0.00 |
| 11 | | 2-Methylphenol | 1.134 | 1.004 | 11.5 | 31 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 0.486 | 0.352 | 27.6# | 24 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.223 | 1.134 | 7.3 | 32 | 0.00 |
| 14 | | Acetophenone | 1.995 | 1.827 | 8.4 | 32 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.997 | 1.030 | -3.3 | 34 | 0.00 |
| 16 | | 4-Methylphenol | 1.244 | 1.080 | 13.2 | 30 | 0.00 |
| 17 | | Hexachloroethane | 0.550 | 0.605 | -10.0 | 38 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 32 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.147 | 0.137 | 6.8 | 30 | 0.00 |
| 20 | | Nitrobenzene | 0.418 | 0.450 | -7.7 | 35 | 0.00 |
| 21 | | Isophorone | 0.644 | 0.667 | -3.6 | 34 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.170 | 0.180 | -5.9 | 35 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.180 | 0.183 | -1.7 | 34 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.418 | 0.439 | -5.0 | 35 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.362 | 0.332 | 8.3 | 30 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.349 | 0.401 | -14.9 | 39 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.342 | 0.385 | -12.6 | 36 | 0.00 |
| 28 | | Naphthalene | 1.003 | 0.973 | 3.0 | 32 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.336 | 0.363 | -8.0 | 38 | 0.00 |
| 30 | | 4-Chloroaniline | 0.325 | 0.373 | -14.8 | 40 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.313 | 0.402 | -28.4# | 43 | 0.00 |
| 32 | | Caprolactam | 0.085 | 0.084 | 1.2 | 37 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.329 | 0.346 | -5.2 | 35 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.761 | 0.819 | -7.6 | 35 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 39 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.832 | 0.910 | -9.4 | 42 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.558 | 0.468 | 16.1 | 34 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.473 | 0.536 | -13.3 | 44 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.477 | 0.547 | -14.7 | 44 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.622 | 1.635 | -0.8 | 38 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.275 | 1.272 | 0.2 | 39 | 0.00 |
| 42 | | 2-Nitroaniline | 0.325 | 0.328 | -0.9 | 39 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.662 | 1.777 | -6.9 | 43 | 0.00 |
| 44 | | Dimethylphthalate | 1.634 | 1.742 | -6.6 | 43 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.300 | 0.337 | -12.3 | 44 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.939 | 2.002 | -3.2 | 40 | 0.00 |
| 47 | | Acenaphthylene | 1.894 | 1.901 | -0.4 | 39 | 0.00 |
| 48 | | 3-Nitroaniline | 0.289 | 0.264 | 8.7 | 39 | 0.00 |
| 49 | C | Acenaphthene | 1.329 | 1.322 | 0.5 | 39 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.226 | 0.219 | 3.1 | 45 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.249 | 0.226 | 9.2 | 41 | 0.00 |
| 52 | | 4-Nitrophenol | 0.341 | 0.425 | -24.6# | 58 | 0.00 |
| 53 | | Dibenzofuran | 1.965 | 2.124 | -8.1 | 43 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.440 | 0.509 | -15.7 | 46 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.458 | 0.570 | -24.5# | 50 | 0.00 |
| 56 | | Diethylphthalate | 1.581 | 1.712 | -8.3 | 44 | 0.00 |
| 57 | S | Fluorene-d10 | 1.461 | 1.636 | -12.0 | 45 | 0.00 |
| 58 | | Fluorene | 1.611 | 1.746 | -8.4 | 44 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.921 | 1.090 | -18.3 | 47 | 0.00 |
| 60 | | 4-Nitroaniline | 0.302 | 0.278 | 7.9 | 44 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 48 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.142 | 0.132 | 7.0 | 52 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.150 | 0.137 | 8.7 | 50 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.583 | 0.559 | 4.1 | 46 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.246 | 0.247 | -0.4 | 48 | 0.00 |
| 66 | | Hexachlorobenzene | 0.258 | 0.245 | 5.0 | 46 | 0.00 |
| 67 | | Atrazine | 0.253 | 0.265 | -4.7 | 56 | 0.00 |
| 68 | C | Pentachlorophenol | 0.164 | 0.150 | 8.5 | 49 | 0.00 |
| 69 | | Phenanthrene | 1.068 | 1.038 | 2.8 | 47 | 0.00 |
| 70 | S | Anthracene-d10 | 0.973 | 0.982 | -0.9 | 50 | 0.00 |
| 71 | | Anthracene | 1.115 | 1.121 | -0.5 | 50 | 0.00 |
| 72 | | Carbazole | 0.943 | 0.878 | 6.9 | 48 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.065 | 1.042 | 2.2 | 49 | 0.00 |
| 74 | C | Fluoranthene | 1.313 | 1.438 | -9.5 | 54 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 76 | S | Pyrene-d10 | 0.827 | 0.839 | -1.5 | 55 | 0.00 |
| 77 | | Pyrene | 1.031 | 1.027 | 0.4 | 54 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.356 | 0.340 | 4.5 | 54 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.393 | 0.365 | 7.1 | 52 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.128 | 1.146 | -1.6 | 57 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.530 | 0.489 | 7.7 | 53 | 0.00 |
| 82 | | Chrysene | 1.020 | 1.030 | -1.0 | 56 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 53 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.921 | 0.919 | 0.2 | 53 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.164 | 1.215 | -4.4 | 57 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.112 | 1.148 | -3.2 | 55 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.931 | 0.943 | -1.3 | 54 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.154 | 1.171 | -1.5 | 55 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.457 | 1.495 | -2.6 | 55 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.255 | 1.283 | -2.2 | 56 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.201 | 1.199 | 0.2 | 54 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1