# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100417\
Data File : BM011884.D
Acq On : 04 Oct 2017 11:18
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02019

Quant Time: Oct 05 05:46:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 04 05:30:09 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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 0.430 | 0.398 | 7.4 | 83 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.423 | 0.408 | 3.5 | 87 | 0.00 |
| 4 | | Benzaldehyde | 0.857 | 0.877 | -2.3 | 87 | 0.00 |
| 5 | S | Phenol-d5 | 1.721 | 1.554 | 9.7 | 86 | 0.00 |
| 6 | | Phenol | 1.703 | 1.570 | 7.8 | 87 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.018 | 0.976 | 4.1 | 88 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.279 | 1.224 | 4.3 | 87 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.380 | 1.362 | 1.3 | 89 | 0.00 |
| 10 | | 2-Chlorophenol | 1.349 | 1.334 | 1.1 | 90 | 0.00 |
| 11 | | 2-Methylphenol | 1.295 | 1.195 | 7.7 | 87 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.635 | 1.573 | 3.8 | 86 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.487 | 1.392 | 6.4 | 88 | 0.00 |
| 14 | | Acetophenone | 2.177 | 2.078 | 4.5 | 87 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.114 | 1.103 | 1.0 | 87 | 0.00 |
| 16 | | 4-Methylphenol | 1.450 | 1.360 | 6.2 | 87 | 0.00 |
| 17 | | Hexachloroethane | 0.541 | 0.539 | 0.4 | 90 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.142 | 0.140 | 1.4 | 89 | 0.00 |
| 20 | | Nitrobenzene | 0.344 | 0.343 | 0.3 | 88 | 0.00 |
| 21 | | Isophorone | 0.642 | 0.620 | 3.4 | 87 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.160 | 0.157 | 1.9 | 89 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.169 | 0.165 | 2.4 | 88 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.362 | 0.354 | 2.2 | 90 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.394 | 0.385 | 2.3 | 88 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.324 | 0.322 | 0.6 | 89 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.313 | 0.305 | 2.6 | 89 | 0.00 |
| 28 | | Naphthalene | 1.003 | 0.963 | 4.0 | 90 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.354 | 0.391 | -10.5 | 88 | 0.00 |
| 30 | | 4-Chloroaniline | 0.347 | 0.373 | -7.5 | 86 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.230 | 0.227 | 1.3 | 91 | 0.00 |
| 32 | | Caprolactam | 0.103 | 0.092 | 10.7 | 87 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.340 | 0.333 | 2.1 | 89 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.765 | 0.745 | 2.6 | 89 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.678 | 0.638 | 5.9 | 90 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.395 | 0.311 | 21.3# | 80 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.431 | 0.422 | 2.1 | 92 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.454 | 0.440 | 3.1 | 92 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.599 | 1.503 | 6.0 | 90 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.251 | 1.184 | 5.4 | 91 | 0.00 |
| 42 | | 2-Nitroaniline | 0.318 | 0.312 | 1.9 | 88 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.733 | 1.649 | 4.8 | 90 | 0.00 |
| 44 | | Dimethylphthalate | 1.668 | 1.566 | 6.1 | 89 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.314 | 0.306 | 2.5 | 89 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.037 | 1.957 | 3.9 | 90 | 0.00 |
| 47 | | Acenaphthylene | 1.975 | 1.906 | 3.5 | 90 | 0.00 |
| 48 | | 3-Nitroaniline | 0.292 | 0.271 | 7.2 | 90 | 0.00 |
| 49 | C | Acenaphthene | 1.367 | 1.294 | 5.3 | 91 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.208 | 0.160 | 23.1# | 88 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.303 | 0.260 | 14.2 | 88 | 0.00 |
| 52 | | 4-Nitrophenol | 0.242 | 0.225 | 7.0 | 94 | 0.00 |
| 53 | | Dibenzofuran | 1.984 | 1.892 | 4.6 | 91 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.465 | 0.462 | 0.6 | 92 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.443 | 0.427 | 3.6 | 91 | 0.00 |
| 56 | | Diethylphthalate | 1.693 | 1.612 | 4.8 | 90 | 0.00 |
| 57 | S | Fluorene-d10 | 1.530 | 1.443 | 5.7 | 91 | 0.00 |
| 58 | | Fluorene | 1.656 | 1.564 | 5.6 | 90 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.876 | 0.836 | 4.6 | 92 | 0.00 |
| 60 | | 4-Nitroaniline | 0.340 | 0.289 | 15.0 | 92 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.135 | 0.112 | 17.0 | 88 | -0.01 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.137 | 0.117 | 14.6 | 89 | -0.01 |
| 64 | | N-Nitrosodiphenylamine | 0.578 | 0.557 | 3.6 | 91 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.224 | 0.214 | 4.5 | 93 | 0.00 |
| 66 | | Hexachlorobenzene | 0.250 | 0.237 | 5.2 | 92 | 0.00 |
| 67 | | Atrazine | 0.229 | 0.213 | 7.0 | 91 | 0.00 |
| 68 | C | Pentachlorophenol | 0.158 | 0.142 | 10.1 | 94 | 0.00 |
| 69 | | Phenanthrene | 1.100 | 1.042 | 5.3 | 92 | 0.00 |
| 70 | S | Anthracene-d10 | 0.986 | 0.948 | 3.9 | 92 | 0.00 |
| 71 | | Anthracene | 1.119 | 1.080 | 3.5 | 91 | 0.00 |
| 72 | | Carbazole | 0.970 | 0.908 | 6.4 | 93 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.162 | 1.134 | 2.4 | 91 | 0.00 |
| 74 | C | Fluoranthene | 1.342 | 1.311 | 2.3 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 104 | 0.00 |
| 76 | S | Pyrene-d10 | 0.902 | 0.907 | -0.6 | 94 | 0.00 |
| 77 | | Pyrene | 1.109 | 1.120 | -1.0 | 94 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.434 | 0.439 | -1.2 | 93 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.372 | 0.343 | 7.8 | 92 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.146 | 1.145 | 0.1 | 96 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.646 | 0.642 | 0.6 | 93 | 0.00 |
| 82 | | Chrysene | 1.089 | 1.099 | -0.9 | 97 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.168 | 1.170 | -0.2 | 97 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.216 | 1.191 | 2.1 | 98 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.214 | 1.182 | 2.6 | 99 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.962 | 0.923 | 4.1 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.168 | 1.119 | 4.2 | 98 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.250 | 1.129 | 9.7 | 99 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.027 | 0.934 | 9.1 | 99 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.034 | 0.921 | 10.9 | 98 | -0.01 |

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