# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013118\
Data File : BM014069.D
Acq On : 01 Feb 2018 12:25
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02022

Quant Time: Feb 01 15:00:07 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM013118.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 01 03:26:19 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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 0.479 | 0.425 | 11.3 | 101 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.436 | 0.397 | 8.9 | 106 | 0.00 |
| 4 | | Benzaldehyde | 0.721 | 0.566 | 21.5# | 86 | 0.00 |
| 5 | S | Phenol-d5 | 1.503 | 1.316 | 12.4 | 104 | 0.00 |
| 6 | | Phenol | 1.504 | 1.301 | 13.5 | 102 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.907 | 0.860 | 5.2 | 108 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.169 | 1.069 | 8.6 | 104 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.190 | 1.149 | 3.4 | 108 | 0.00 |
| 10 | | 2-Chlorophenol | 1.201 | 1.121 | 6.7 | 105 | 0.00 |
| 11 | | 2-Methylphenol | 1.158 | 1.022 | 11.7 | 100 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.174 | 1.087 | 7.4 | 103 | -0.01 |
| 13 | S | 4-Methylphenol-d8 | 1.259 | 1.180 | 6.3 | 111 | 0.00 |
| 14 | | Acetophenone | 2.125 | 1.868 | 12.1 | 104 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.087 | 0.960 | 11.7 | 98 | 0.00 |
| 16 | | 4-Methylphenol | 1.237 | 1.102 | 10.9 | 101 | 0.00 |
| 17 | | Hexachloroethane | 0.627 | 0.608 | 3.0 | 110 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.144 | 0.145 | -0.7 | 110 | 0.00 |
| 20 | | Nitrobenzene | 0.406 | 0.395 | 2.7 | 106 | 0.00 |
| 21 | | Isophorone | 0.683 | 0.669 | 2.0 | 102 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.160 | 0.151 | 5.6 | 99 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.164 | 0.164 | 0.0 | 105 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.370 | 0.366 | 1.1 | 103 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.376 | 0.376 | 0.0 | 106 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.336 | 0.331 | 1.5 | 101 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.312 | 0.307 | 1.6 | 99 | 0.00 |
| 28 | | Naphthalene | 1.007 | 0.990 | 1.7 | 105 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.291 | 0.274 | 5.8 | 114 | 0.00 |
| 30 | | 4-Chloroaniline | 0.292 | 0.270 | 7.5 | 109 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.282 | 0.275 | 2.5 | 107 | 0.00 |
| 32 | | Caprolactam | 0.086 | 0.079 | 8.1 | 104 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.327 | 0.309 | 5.5 | 100 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.760 | 0.737 | 3.0 | 102 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.730 | 0.758 | -3.8 | 104 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.398 | 0.313 | 21.4# | 95 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.425 | 0.429 | -0.9 | 98 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.437 | 0.425 | 2.7 | 102 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.554 | 1.556 | -0.1 | 101 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.255 | 1.276 | -1.7 | 101 | 0.00 |
| 42 | | 2-Nitroaniline | 0.357 | 0.336 | 5.9 | 96 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.660 | 1.636 | 1.4 | 101 | 0.00 |
| 44 | | Dimethylphthalate | 1.600 | 1.601 | -0.1 | 103 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.311 | 0.326 | -4.8 | 108 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.014 | 2.022 | -0.4 | 102 | 0.00 |
| 47 | | Acenaphthylene | 1.870 | 1.879 | -0.5 | 101 | 0.00 |
| 48 | | 3-Nitroaniline | 0.234 | 0.206 | 12.0 | 101 | 0.00 |
| 49 | C | Acenaphthene | 1.311 | 1.330 | -1.4 | 103 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.167 | 0.115 | 31.1# | 91 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.229 | 0.189 | 17.5 | 92 | 0.00 |
| 52 | | 4-Nitrophenol | 0.276 | 0.230 | 16.7 | 91 | 0.00 |
| 53 | | Dibenzofuran | 1.996 | 2.013 | -0.9 | 102 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.470 | 0.476 | -1.3 | 103 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.440 | 0.436 | 0.9 | 99 | 0.00 |
| 56 | | Diethylphthalate | 1.679 | 1.652 | 1.6 | 101 | 0.00 |
| 57 | S | Fluorene-d10 | 1.486 | 1.460 | 1.7 | 100 | 0.00 |
| 58 | | Fluorene | 1.665 | 1.659 | 0.4 | 103 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.953 | 0.917 | 3.8 | 99 | 0.00 |
| 60 | | 4-Nitroaniline | 0.262 | 0.228 | 13.0 | 97 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.123 | 0.101 | 17.9 | 87 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.124 | 0.108 | 12.9 | 95 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.577 | 0.581 | -0.7 | 101 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.250 | 0.247 | 1.2 | 100 | 0.00 |
| 66 | | Hexachlorobenzene | 0.266 | 0.264 | 0.8 | 101 | 0.00 |
| 67 | | Atrazine | 0.232 | 0.223 | 3.9 | 100 | 0.00 |
| 68 | C | Pentachlorophenol | 0.131 | 0.111 | 15.3 | 93 | 0.00 |
| 69 | | Phenanthrene | 1.125 | 1.126 | -0.1 | 101 | 0.00 |
| 70 | S | Anthracene-d10 | 0.971 | 0.971 | 0.0 | 102 | 0.00 |
| 71 | | Anthracene | 1.139 | 1.119 | 1.8 | 100 | 0.00 |
| 72 | | Carbazole | 0.929 | 0.897 | 3.4 | 101 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.166 | 1.160 | 0.5 | 99 | 0.00 |
| 74 | C | Fluoranthene | 1.399 | 1.328 | 5.1 | 99 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 76 | S | Pyrene-d10 | 0.963 | 0.957 | 0.6 | 103 | 0.00 |
| 77 | | Pyrene | 1.193 | 1.202 | -0.8 | 104 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.470 | 0.462 | 1.7 | 101 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.312 | 0.310 | 0.6 | 109 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.246 | 1.226 | 1.6 | 101 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.686 | 0.659 | 3.9 | 98 | 0.00 |
| 82 | | Chrysene | 1.171 | 1.151 | 1.7 | 103 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.273 | 1.173 | 7.9 | 100 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.262 | 1.234 | 2.2 | 100 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.241 | 1.209 | 2.6 | 101 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.982 | 0.964 | 1.8 | 103 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.189 | 1.173 | 1.3 | 101 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.303 | 1.289 | 1.1 | 101 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.105 | 1.086 | 1.7 | 102 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.078 | 1.058 | 1.9 | 103 | 0.00 |

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