# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100618\
Data File : BN002968.D
Acq On : 05 Oct 2018 18:24
Operator : MJ/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTD02085

Quant Time: Oct 06 01:10:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 06 01:07:30 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 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 0.485 | 0.440 | 9.3 | 79 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.434 | 0.405 | 6.7 | 80 | 0.00 |
| 4 | | Benzaldehyde | 0.929 | 1.139 | -22.6# | 86 | 0.00 |
| 5 | S | Phenol-d5 | 1.699 | 1.759 | -3.5 | 88 | 0.00 |
| 6 | | Phenol | 1.713 | 1.787 | -4.3 | 88 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.055 | 1.050 | 0.5 | 84 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.317 | 1.347 | -2.3 | 87 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.398 | 1.448 | -3.6 | 87 | 0.00 |
| 10 | | 2-Chlorophenol | 1.387 | 1.439 | -3.7 | 88 | 0.00 |
| 11 | | 2-Methylphenol | 1.286 | 1.392 | -8.2 | 92 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.063 | 1.987 | 3.7 | 81 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.315 | 1.442 | -9.7 | 92 | 0.00 |
| 14 | | Acetophenone | 2.027 | 2.225 | -9.8 | 93 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.018 | 1.155 | -13.5 | 93 | 0.00 |
| 16 | | 4-Methylphenol | 1.364 | 1.502 | -10.1 | 92 | 0.00 |
| 17 | | Hexachloroethane | 0.558 | 0.557 | 0.2 | 85 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.155 | 0.159 | -2.6 | 92 | 0.00 |
| 20 | | Nitrobenzene | 0.360 | 0.359 | 0.3 | 90 | 0.00 |
| 21 | | Isophorone | 0.664 | 0.737 | -11.0 | 98 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.175 | 0.199 | -13.7 | 103 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.182 | 0.203 | -11.5 | 99 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.358 | 0.370 | -3.4 | 93 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.418 | 0.435 | -4.1 | 93 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.316 | 0.346 | -9.5 | 98 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.307 | 0.329 | -7.2 | 96 | 0.00 |
| 28 | | Naphthalene | 1.031 | 1.043 | -1.2 | 92 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.366 | 0.424 | -15.8 | 95 | 0.00 |
| 30 | | 4-Chloroaniline | 0.367 | 0.420 | -14.4 | 94 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.196 | 0.188 | 4.1 | 86 | 0.00 |
| 32 | | Caprolactam | 0.094 | 0.127 | -35.1# | 120 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.313 | 0.361 | -15.3 | 101 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.721 | 0.772 | -7.1 | 96 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.664 | 0.625 | 5.9 | 96 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.297 | 0.290 | 2.4 | 119 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.424 | 0.448 | -5.7 | 107 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.444 | 0.470 | -5.9 | 108 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.647 | 1.587 | 3.6 | 99 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.292 | 1.237 | 4.3 | 98 | 0.00 |
| 42 | | 2-Nitroaniline | 0.359 | 0.387 | -7.8 | 107 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.566 | 1.678 | -7.2 | 108 | 0.00 |
| 44 | | Dimethylphthalate | 1.528 | 1.639 | -7.3 | 108 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.308 | 0.354 | -14.9 | 113 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.044 | 2.060 | -0.8 | 102 | 0.00 |
| 47 | | Acenaphthylene | 1.920 | 1.942 | -1.1 | 103 | 0.00 |
| 48 | | 3-Nitroaniline | 0.300 | 0.360 | -20.0 | 115 | 0.00 |
| 49 | C | Acenaphthene | 1.360 | 1.357 | 0.2 | 102 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.163 | 0.114 | 30.1# | 84 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.259 | 0.241 | 6.9 | 99 | 0.00 |
| 52 | | 4-Nitrophenol | 0.180 | 0.148 | 17.8 | 87 | 0.00 |
| 53 | | Dibenzofuran | 1.871 | 1.899 | -1.5 | 103 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.435 | 0.511 | -17.5 | 114 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.351 | 0.390 | -11.1 | 112 | 0.00 |
| 56 | | Diethylphthalate | 1.497 | 1.660 | -10.9 | 111 | 0.00 |
| 57 | S | Fluorene-d10 | 1.372 | 1.435 | -4.6 | 106 | 0.00 |
| 58 | | Fluorene | 1.498 | 1.576 | -5.2 | 107 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.749 | 0.788 | -5.2 | 106 | 0.00 |
| 60 | | 4-Nitroaniline | 0.318 | 0.371 | -16.7 | 110 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.125 | 0.091 | 27.2# | 87 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.091 | 27.8# | 84 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.621 | 0.613 | 1.3 | 109 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.219 | 0.217 | 0.9 | 109 | 0.00 |
| 66 | | Hexachlorobenzene | 0.240 | 0.245 | -2.1 | 113 | 0.00 |
| 67 | | Atrazine | 0.212 | 0.231 | -9.0 | 119 | 0.00 |
| 68 | C | Pentachlorophenol | 0.112 | 0.097 | 13.4 | 107 | 0.00 |
| 69 | | Phenanthrene | 1.102 | 1.100 | 0.2 | 111 | 0.00 |
| 70 | S | Anthracene-d10 | 0.955 | 0.973 | -1.9 | 112 | 0.00 |
| 71 | | Anthracene | 1.117 | 1.137 | -1.8 | 113 | 0.00 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 0.342 | 0.295 | 13.7 | 98 | 0.00 |
| 73 | | Pentachlorobenzene | 0.305 | 0.282 | 7.5 | 104 | 0.00 |
| 74 | | Carbazole | 0.959 | 1.028 | -7.2 | 118 | 0.00 |
| 75 | | Di-n-butylphthalate | 1.150 | 1.476 | -28.3# | 140 | 0.00 |
| 76 | C | Fluoranthene | 1.175 | 1.271 | -8.2 | 118 | 0.00 |
| 77 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 125 | 0.00 |
| 78 | S | Pyrene-d10 | 1.055 | 1.006 | 4.6 | 119 | 0.00 |
| 79 | | Pyrene | 1.322 | 1.253 | 5.2 | 116 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.550 | 0.596 | -8.4 | 135 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.404 | 0.415 | -2.7 | 120 | 0.00 |
| 82 | | Benzo(a)anthracene | 1.244 | 1.235 | 0.7 | 124 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.799 | 0.853 | -6.8 | 133 | 0.00 |
| 84 | | Chrysene | 1.166 | 1.159 | 0.6 | 125 | 0.00 |
| 85 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 86 | | Di-n-octyl phthalate | 1.322 | 1.648 | -24.7# | 136 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.221 | 1.266 | -3.7 | 113 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 1.140 | 1.251 | -9.7 | 123 | 0.00 |
| 89 | S | Benzo(a)pyrene-d12 | 1.053 | 1.061 | -0.8 | 111 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.155 | 1.168 | -1.1 | 112 | 0.00 |
| 91 | | Indeno(1,2,3-cd)pyrene | 1.367 | 1.061 | 22.4# | 86 | 0.00 |
| 92 | | Dibenzo(a,h)anthracene | 1.152 | 0.899 | 22.0# | 86 | 0.00 |
| 93 | | Benzo(g,h,i)perylene | 1.143 | 0.859 | 24.8# | 83 | 0.00 |

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