# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM080516\
Data File : BM006906.D
Acq On : 05 Aug 2016 18:51
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02058

Quant Time: Aug 06 01:21:48 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080316.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 06 00:33:11 2016
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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.405 | 0.430 | -6.2 | 100 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.364 | 0.421 | -15.7 | 100 | 0.00 |
| 4 | | Benzaldehyde | 0.989 | 1.186 | -19.9 | 101 | 0.00 |
| 5 | S | Phenol-d5 | 1.472 | 1.553 | -5.5 | 98 | 0.00 |
| 6 | | Phenol | 1.559 | 1.577 | -1.2 | 93 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.984 | 1.087 | -10.5 | 95 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.114 | 1.276 | -14.5 | 101 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.163 | 1.280 | -10.1 | 96 | 0.00 |
| 10 | | 2-Chlorophenol | 1.172 | 1.289 | -10.0 | 96 | 0.00 |
| 11 | | 2-Methylphenol | 1.207 | 1.293 | -7.1 | 101 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.459 | 2.506 | -1.9 | 89 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.197 | 1.232 | -2.9 | 98 | 0.00 |
| 14 | | Acetophenone | 2.126 | 2.201 | -3.5 | 97 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.052 | 1.178 | -12.0 | 97 | 0.00 |
| 16 | | 4-Methylphenol | 1.315 | 1.320 | -0.4 | 97 | 0.00 |
| 17 | | Hexachloroethane | 0.611 | 0.641 | -4.9 | 96 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.137 | 0.152 | -10.9 | 102 | 0.00 |
| 20 | | Nitrobenzene | 0.431 | 0.452 | -4.9 | 97 | 0.00 |
| 21 | | Isophorone | 0.682 | 0.744 | -9.1 | 101 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.163 | 0.164 | -0.6 | 95 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.170 | 0.180 | -5.9 | 99 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.421 | 0.417 | 1.0 | 92 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.370 | 0.408 | -10.3 | 100 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.337 | 0.312 | 7.4 | 85 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.320 | 0.320 | 0.0 | 87 | 0.00 |
| 28 | | Naphthalene | 0.993 | 1.016 | -2.3 | 95 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.348 | 0.384 | -10.3 | 99 | 0.00 |
| 30 | | 4-Chloroaniline | 0.351 | 0.370 | -5.4 | 99 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.301 | 0.260 | 13.6 | 80 | 0.00 |
| 32 | | Caprolactam | 0.090 | 0.088 | 2.2 | 94 | -0.02 |
| 33 | C | 4-Chloro-3-methylphenol | 0.356 | 0.351 | 1.4 | 95 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.801 | 0.772 | 3.6 | 90 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.788 | 0.747 | 5.2 | 78 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.438 | 0.291 | 33.6# | 64 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.482 | 0.456 | 5.4 | 77 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.464 | 0.462 | 0.4 | 75 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.632 | 1.693 | -3.7 | 86 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.280 | 1.313 | -2.6 | 85 | 0.00 |
| 42 | | 2-Nitroaniline | 0.468 | 0.479 | -2.4 | 83 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.647 | 1.664 | -1.0 | 83 | 0.00 |
| 44 | | Dimethylphthalate | 1.638 | 1.620 | 1.1 | 80 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM080516\
Data File : BM006906.D
Acq On : 05 Aug 2016 18:51
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02058

Quant Time: Aug 06 01:21:48 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080316.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 06 00:33:11 2016
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) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.318 | 0.320 | -0.6 | 84 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.012 | 2.013 | -0.0 | 83 | 0.00 |
| 47 | | Acenaphthylene | 2.039 | 2.115 | -3.7 | 86 | 0.00 |
| 48 | | 3-Nitroaniline | 0.269 | 0.305 | -13.4 | 93 | 0.00 |
| 49 | C | Acenaphthene | 1.332 | 1.372 | -3.0 | 85 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.197 | 0.137 | 30.5# | 64 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.361 | 0.333 | 7.8 | 85 | 0.00 |
| 52 | | 4-Nitrophenol | 0.486 | 0.344 | 29.2# | 63 | 0.00 |
| 53 | | Dibenzofuran | 2.065 | 2.000 | 3.1 | 82 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.505 | 0.491 | 2.8 | 81 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.495 | 0.427 | 13.7 | 71 | 0.00 |
| 56 | | Diethylphthalate | 1.703 | 1.681 | 1.3 | 81 | 0.00 |
| 57 | S | Fluorene-d10 | 1.529 | 1.444 | 5.6 | 79 | 0.00 |
| 58 | | Fluorene | 1.736 | 1.665 | 4.1 | 79 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.975 | 0.872 | 10.6 | 76 | 0.00 |
| 60 | | 4-Nitroaniline | 0.281 | 0.299 | -6.4 | 88 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.131 | 0.105 | 19.8 | 66 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.135 | 0.111 | 17.8 | 66 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.573 | 0.593 | -3.5 | 79 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.245 | 0.239 | 2.4 | 75 | 0.00 |
| 66 | | Hexachlorobenzene | 0.266 | 0.259 | 2.6 | 73 | 0.00 |
| 67 | | Atrazine | 0.245 | 0.227 | 7.3 | 73 | 0.00 |
| 68 | C | Pentachlorophenol | 0.147 | 0.109 | 25.9# | 61 | 0.00 |
| 69 | | Phenanthrene | 1.103 | 1.106 | -0.3 | 77 | 0.00 |
| 70 | S | Anthracene-d10 | 0.960 | 0.953 | 0.7 | 76 | 0.00 |
| 71 | | Anthracene | 1.139 | 1.141 | -0.2 | 76 | 0.00 |
| 72 | | Carbazole | 0.970 | 0.955 | 1.5 | 79 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.051 | 1.149 | -9.3 | 85 | 0.00 |
| 74 | C | Fluoranthene | 1.413 | 1.314 | 7.0 | 72 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 76 | S | Pyrene-d10 | 1.023 | 0.959 | 6.3 | 74 | 0.00 |
| 77 | | Pyrene | 1.315 | 1.261 | 4.1 | 75 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.453 | 0.455 | -0.4 | 79 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.367 | 0.362 | 1.4 | 75 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.218 | 1.208 | 0.8 | 78 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.621 | 0.647 | -4.2 | 82 | 0.00 |
| 82 | | Chrysene | 1.071 | 1.076 | -0.5 | 79 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.229 | 1.194 | 2.8 | 93 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.261 | 1.277 | -1.3 | 89 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.230 | 1.202 | 2.3 | 82 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.974 | 0.957 | 1.7 | 84 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM080516\
Data File : BM006906.D
Acq On : 05 Aug 2016 18:51
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02058

Quant Time: Aug 06 01:21:48 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080316.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 06 00:33:11 2016
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) |
|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.197 | 1.197 | 0.0 | 86 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.424 | 1.417 | 0.5 | 85 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.227 | 1.188 | 3.2 | 82 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.152 | 1.140 | 1.0 | 83 | 0.00 |

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