# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020915\
Data File : BM000465.D
Acq On : 10 Feb 2015 19:10
Operator : TP/IZ
Sample : SSTD02095
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02095

Quant Time: Feb 11 04:10:40 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM020615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 11 03:41:38 2015
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 | 68 | 0.00 |
| 2 | | 1,4-Dioxane | 0.405 | 0.406 | -0.2 | 75 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.365 | 0.350 | 4.1 | 69 | 0.00 |
| 4 | | Benzaldehyde | 0.437 | 0.457 | -4.6 | 72 | 0.00 |
| 5 | S | Phenol-d5 | 1.328 | 1.414 | -6.5 | 70 | 0.00 |
| 6 | | Phenol | 1.374 | 1.428 | -3.9 | 69 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.817 | 0.834 | -2.1 | 68 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.107 | 1.123 | -1.4 | 68 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.155 | 1.230 | -6.5 | 71 | 0.00 |
| 10 | | 2-Chlorophenol | 1.182 | 1.248 | -5.6 | 70 | 0.00 |
| 11 | | 2-Methylphenol | 1.070 | 1.137 | -6.3 | 71 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.237 | 2.234 | 0.1 | 67 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.101 | 1.170 | -6.3 | 68 | 0.00 |
| 14 | | Acetophenone | 1.840 | 1.890 | -2.7 | 68 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.844 | 0.884 | -4.7 | 67 | 0.00 |
| 16 | | 4-Methylphenol | 1.159 | 1.242 | -7.2 | 70 | 0.00 |
| 17 | | Hexachloroethane | 0.526 | 0.524 | 0.4 | 68 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.125 | 0.133 | -6.4 | 68 | 0.00 |
| 20 | | Nitrobenzene | 0.343 | 0.363 | -5.8 | 68 | 0.00 |
| 21 | | Isophorone | 0.572 | 0.611 | -6.8 | 69 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.142 | 0.154 | -8.5 | 71 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.153 | 0.169 | -10.5 | 71 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.363 | 0.378 | -4.1 | 68 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.350 | 0.373 | -6.6 | 70 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.305 | 0.324 | -6.2 | 67 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.298 | 0.312 | -4.7 | 68 | 0.00 |
| 28 | | Naphthalene | 1.007 | 1.023 | -1.6 | 67 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.280 | 0.316 | -12.9 | 69 | 0.00 |
| 30 | | 4-Chloroaniline | 0.288 | 0.320 | -11.1 | 68 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.230 | 0.227 | 1.3 | 66 | 0.00 |
| 32 | | Caprolactam | 0.065 | 0.078 | -20.0 | 77 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.312 | 0.323 | -3.5 | 66 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.724 | 0.750 | -3.6 | 67 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.659 | 0.655 | 0.6 | 65 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.388 | 0.372 | 4.1 | 63 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.352 | 0.384 | -9.1 | 68 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.403 | 0.425 | -5.5 | 69 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.604 | 1.626 | -1.4 | 67 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.243 | 1.261 | -1.4 | 66 | 0.00 |
| 42 | | 2-Nitroaniline | 0.319 | 0.325 | -1.9 | 70 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.378 | 1.427 | -3.6 | 67 | 0.00 |
| 44 | | Dimethylphthalate | 1.515 | 1.567 | -3.4 | 67 | 0.00 |

# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020915\
Data File : BM000465.D
Acq On : 10 Feb 2015 19:10
Operator : TP/IZ
Sample : SSTD02095
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02095

Quant Time: Feb 11 04:10:40 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM020615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 11 03:41:38 2015
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 | 0.268 | 0.292 | -9.0 | 69 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.883 | 1.938 | -2.9 | 66 | 0.00 |
| 47 | | Acenaphthylene | 1.965 | 2.053 | -4.5 | 68 | 0.00 |
| 48 | | 3-Nitroaniline | 0.252 | 0.281 | -11.5 | 72 | 0.00 |
| 49 | C | Acenaphthene | 1.299 | 1.323 | -1.8 | 66 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.136 | 0.122 | 10.3 | 65 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.225 | 0.237 | -5.3 | 71 | 0.00 |
| 52 | | 4-Nitrophenol | 0.277 | 0.267 | 3.6 | 64 | 0.00 |
| 53 | | Dibenzofuran | 1.896 | 1.917 | -1.1 | 66 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.390 | 0.441 | -13.1 | 71 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.325 | 0.352 | -8.3 | 68 | 0.00 |
| 56 | | Diethylphthalate | 1.485 | 1.542 | -3.8 | 67 | 0.00 |
| 57 | S | Fluorene-d10 | 1.387 | 1.418 | -2.2 | 67 | 0.00 |
| 58 | | Fluorene | 1.531 | 1.573 | -2.7 | 67 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.795 | 0.801 | -0.8 | 66 | 0.00 |
| 60 | | 4-Nitroaniline | 0.282 | 0.303 | -7.4 | 72 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.106 | 0.108 | -1.9 | 66 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.111 | 0.115 | -3.6 | 69 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.571 | 0.596 | -4.4 | 68 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.205 | 0.212 | -3.4 | 68 | 0.00 |
| 66 | | Hexachlorobenzene | 0.233 | 0.236 | -1.3 | 65 | 0.00 |
| 67 | | Atrazine | 0.187 | 0.205 | -9.6 | 69 | 0.00 |
| 68 | C | Pentachlorophenol | 0.114 | 0.114 | 0.0 | 67 | 0.00 |
| 69 | | Phenanthrene | 1.080 | 1.108 | -2.6 | 66 | 0.00 |
| 70 | S | Anthracene-d10 | 0.910 | 0.954 | -4.8 | 67 | 0.00 |
| 71 | | Anthracene | 1.093 | 1.132 | -3.6 | 67 | 0.00 |
| 72 | | Carbazole | 0.927 | 0.993 | -7.1 | 68 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.982 | 1.059 | -7.8 | 68 | 0.00 |
| 74 | C | Fluoranthene | 1.194 | 1.259 | -5.4 | 68 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 76 | S | Pyrene-d10 | 0.943 | 0.970 | -2.9 | 66 | 0.00 |
| 77 | | Pyrene | 1.240 | 1.274 | -2.7 | 67 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.410 | 0.458 | -11.7 | 71 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.323 | 0.370 | -14.6 | 71 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.141 | 1.184 | -3.8 | 68 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.581 | 0.632 | -8.8 | 70 | 0.00 |
| 82 | | Chrysene | 1.088 | 1.131 | -4.0 | 68 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 68 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.080 | 1.189 | -10.1 | 72 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.187 | 1.241 | -4.5 | 70 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.145 | 1.174 | -2.5 | 67 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.893 | 0.926 | -3.7 | 69 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM020915\
Data File : BM000465.D
Acq On : 10 Feb 2015 19:10
Operator : TP/IZ
Sample : SSTD02095
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02095

Quant Time: Feb 11 04:10:40 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM020615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 11 03:41:38 2015
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 | 1.126 | 1.170 | -3.9 | 69 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.249 | 1.282 | -2.6 | 69 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.041 | 1.078 | -3.6 | 68 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.059 | 1.085 | -2.5 | 68 | 0.00 |

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