# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081318\
Data File : BN002327.D
Acq On : 14 Aug 2018 03:36
Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTD02043

Quant Time: Aug 14 04:13:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 13 23:38:34 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 | 91 | 0.00 |
| 2 | | 1,4-Dioxane | 0.453 | 0.446 | 1.5 | 92 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.424 | 0.427 | -0.7 | 91 | 0.00 |
| 4 | | Benzaldehyde | 1.260 | 1.298 | -3.0 | 92 | 0.00 |
| 5 | S | Phenol-d5 | 1.834 | 1.890 | -3.1 | 97 | 0.00 |
| 6 | | Phenol | 1.868 | 1.919 | -2.7 | 95 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.152 | 1.209 | -4.9 | 96 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.420 | 1.485 | -4.6 | 95 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.397 | 1.481 | -6.0 | 97 | 0.00 |
| 10 | | 2-Chlorophenol | 1.406 | 1.488 | -5.8 | 96 | 0.00 |
| 11 | | 2-Methylphenol | 1.409 | 1.475 | -4.7 | 98 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.351 | 2.574 | -9.5 | 98 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.466 | 1.536 | -4.8 | 97 | 0.00 |
| 14 | | Acetophenone | 2.344 | 2.542 | -8.4 | 98 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.237 | 1.341 | -8.4 | 97 | 0.00 |
| 16 | | 4-Methylphenol | 1.533 | 1.610 | -5.0 | 97 | 0.00 |
| 17 | | Hexachloroethane | 0.589 | 0.614 | -4.2 | 96 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.159 | 0.163 | -2.5 | 94 | 0.00 |
| 20 | | Nitrobenzene | 0.381 | 0.405 | -6.3 | 99 | 0.00 |
| 21 | | Isophorone | 0.734 | 0.785 | -6.9 | 97 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.167 | 0.182 | -9.0 | 98 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.176 | 0.188 | -6.8 | 98 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.361 | 0.386 | -6.9 | 97 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.433 | 0.464 | -7.2 | 98 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.308 | 0.329 | -6.8 | 97 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.298 | 0.320 | -7.4 | 97 | 0.00 |
| 28 | | Naphthalene | 1.029 | 1.077 | -4.7 | 96 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.333 | 0.326 | 2.1 | 89 | 0.00 |
| 30 | | 4-Chloroaniline | 0.336 | 0.334 | 0.6 | 90 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.188 | 0.198 | -5.3 | 98 | 0.00 |
| 32 | | Caprolactam | 0.112 | 0.116 | -3.6 | 97 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.343 | 0.372 | -8.5 | 98 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.759 | 0.803 | -5.8 | 97 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.606 | 0.640 | -5.6 | 97 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.368 | 0.357 | 3.0 | 94 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.390 | 0.411 | -5.4 | 95 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.417 | 0.438 | -5.0 | 98 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.601 | 1.689 | -5.5 | 96 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.248 | 1.318 | -5.6 | 96 | 0.00 |
| 42 | | 2-Nitroaniline | 0.398 | 0.434 | -9.0 | 98 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.658 | 1.771 | -6.8 | 98 | 0.00 |
| 44 | | Dimethylphthalate | 1.626 | 1.704 | -4.8 | 96 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081318\
Data File : BN002327.D
Acq On : 14 Aug 2018 03:36
Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTD02043

Quant Time: Aug 14 04:13:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 13 23:38:34 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) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.329 | 0.352 | -7.0 | 96 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.034 | 2.163 | -6.3 | 97 | 0.00 |
| 47 | | Acenaphthylene | 1.936 | 2.064 | -6.6 | 97 | 0.00 |
| 48 | | 3-Nitroaniline | 0.313 | 0.318 | -1.6 | 93 | 0.00 |
| 49 | C | Acenaphthene | 1.366 | 1.450 | -6.1 | 98 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.197 | 0.177 | 10.2 | 92 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.313 | 0.320 | -2.2 | 95 | 0.00 |
| 52 | | 4-Nitrophenol | 0.238 | 0.247 | -3.8 | 95 | 0.00 |
| 53 | | Dibenzofuran | 1.927 | 2.038 | -5.8 | 97 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.495 | 0.540 | -9.1 | 98 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.364 | 0.391 | -7.4 | 97 | 0.00 |
| 56 | | Diethylphthalate | 1.659 | 1.771 | -6.8 | 97 | 0.00 |
| 57 | S | Fluorene-d10 | 1.437 | 1.516 | -5.5 | 97 | 0.00 |
| 58 | | Fluorene | 1.577 | 1.688 | -7.0 | 98 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.778 | 0.824 | -5.9 | 97 | 0.00 |
| 60 | | 4-Nitroaniline | 0.404 | 0.427 | -5.7 | 95 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.127 | 0.129 | -1.6 | 95 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.136 | -3.8 | 96 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.584 | 0.634 | -8.6 | 98 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.204 | 0.221 | -8.3 | 98 | 0.00 |
| 66 | | Hexachlorobenzene | 0.228 | 0.247 | -8.3 | 98 | 0.00 |
| 67 | | Atrazine | 0.214 | 0.228 | -6.5 | 95 | 0.00 |
| 68 | C | Pentachlorophenol | 0.127 | 0.125 | 1.6 | 93 | 0.00 |
| 69 | | Phenanthrene | 1.103 | 1.184 | -7.3 | 98 | 0.00 |
| 70 | S | Anthracene-d10 | 0.955 | 1.026 | -7.4 | 97 | 0.00 |
| 71 | | Anthracene | 1.118 | 1.213 | -8.5 | 97 | 0.00 |
| 72 | | 1,2,3,4-Tetrachlorobenzene | 0.280 | 0.304 | -8.6 | 98 | 0.00 |
| 73 | | Pentachlorobenzene | 0.267 | 0.288 | -7.9 | 98 | 0.00 |
| 74 | | Carbazole | 0.992 | 1.087 | -9.6 | 98 | 0.00 |
| 75 | | Di-n-butylphthalate | 1.206 | 1.322 | -9.6 | 97 | 0.00 |
| 76 | C | Fluoranthene | 1.255 | 1.390 | -10.8 | 97 | 0.00 |
| 77 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 78 | S | Pyrene-d10 | 0.957 | 1.031 | -7.7 | 98 | 0.00 |
| 79 | | Pyrene | 1.206 | 1.292 | -7.1 | 98 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.511 | 0.563 | -10.2 | 100 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.399 | 0.407 | -2.0 | 93 | 0.00 |
| 82 | | Benzo(a)anthracene | 1.225 | 1.315 | -7.3 | 98 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.766 | 0.842 | -9.9 | 99 | 0.00 |
| 84 | | Chrysene | 1.160 | 1.229 | -5.9 | 98 | 0.00 |
| 85 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 86 | | Di-n-octyl phthalate | 1.271 | 1.376 | -8.3 | 100 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.199 | 1.234 | -2.9 | 98 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081318\
Data File : BN002327.D
Acq On : 14 Aug 2018 03:36
Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**LabSampleId :** SSTD02043

Quant Time: Aug 14 04:13:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 13 23:38:34 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) |
|---|---|---|---|---|---|---|---|
| 88 | | Benzo(k)fluoranthene | 1.129 | 1.242 | -10.0 | 100 | 0.00 |
| 89 | S | Benzo(a)pyrene-d12 | 1.046 | 1.107 | -5.8 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.142 | 1.204 | -5.4 | 99 | 0.00 |
| 91 | | Indeno(1,2,3-cd)pyrene | 1.359 | 1.442 | -6.1 | 99 | -0.01 |
| 92 | | Dibenzo(a,h)anthracene | 1.136 | 1.204 | -6.0 | 99 | 0.00 |
| 93 | | Benzo(g,h,i)perylene | 1.134 | 1.193 | -5.2 | 99 | -0.01 |

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