# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052517\
Data File : BG027125.D
Acq On : 24 May 2017 12:43
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02061

Quant Time: May 25 04:20:34 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 17 05:12:59 2017
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 | 75 | 0.00 |
| 2 | | 1,4-Dioxane | 0.507 | 0.528 | -4.1 | 84 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.444 | 0.499 | -12.4 | 85 | 0.00 |
| 4 | | Benzaldehyde | 0.863 | 1.000 | -15.9 | 106 | 0.00 |
| 5 | S | Phenol-d5 | 1.785 | 2.028 | -13.6 | 86 | 0.00 |
| 6 | | Phenol | 1.809 | 2.073 | -14.6 | 86 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.050 | 1.203 | -14.6 | 86 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.397 | 1.526 | -9.2 | 80 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.515 | 1.621 | -7.0 | 82 | 0.00 |
| 10 | | 2-Chlorophenol | 1.491 | 1.580 | -6.0 | 79 | 0.00 |
| 11 | | 2-Methylphenol | 1.432 | 1.595 | -11.4 | 85 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.458 | 1.772 | -21.5# | 91 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.481 | 1.693 | -14.3 | 87 | 0.00 |
| 14 | | Acetophenone | 2.176 | 2.471 | -13.6 | 83 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.073 | 1.200 | -11.8 | 86 | 0.00 |
| 16 | | 4-Methylphenol | 1.566 | 1.753 | -11.9 | 85 | 0.00 |
| 17 | | Hexachloroethane | 0.561 | 0.577 | -2.9 | 82 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.167 | 0.173 | -3.6 | 82 | 0.00 |
| 20 | | Nitrobenzene | 0.323 | 0.342 | -5.9 | 82 | 0.00 |
| 21 | | Isophorone | 0.619 | 0.712 | -15.0 | 89 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.182 | 0.196 | -7.7 | 83 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.191 | 0.201 | -5.2 | 83 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.349 | 0.386 | -10.6 | 88 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.423 | 0.460 | -8.7 | 84 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.289 | 0.311 | -7.6 | 84 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.288 | 0.308 | -6.9 | 83 | 0.00 |
| 28 | | Naphthalene | 1.041 | 1.061 | -1.9 | 79 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.387 | 0.461 | -19.1 | 84 | 0.00 |
| 30 | | 4-Chloroaniline | 0.365 | 0.438 | -20.0# | 87 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.146 | 0.143 | 2.1 | 77 | 0.00 |
| 32 | | Caprolactam | 0.108 | 0.138 | -27.8# | 102 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.312 | 0.379 | -21.5 | 93 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.773 | 0.799 | -3.4 | 81 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.527 | 0.507 | 3.8 | 80 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.232 | 0.231 | 0.4 | 89 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.363 | 0.383 | -5.5 | 86 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.375 | 0.393 | -4.8 | 85 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.681 | 1.691 | -0.6 | 82 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.264 | 1.261 | 0.2 | 82 | 0.00 |
| 42 | | 2-Nitroaniline | 0.361 | 0.449 | -24.4# | 102 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.610 | 1.721 | -6.9 | 87 | 0.00 |
| 44 | | Dimethylphthalate | 1.576 | 1.671 | -6.0 | 87 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052517\
Data File : BG027125.D
Acq On : 24 May 2017 12:43
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02061

Quant Time: May 25 04:20:34 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 17 05:12:59 2017
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 | 0.333 | 0.360 | -8.1 | 88 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 2.022 | 2.116 | -4.6 | 85 | 0.00 |
| 47 | | Acenaphthylene | 2.060 | 2.145 | -4.1 | 85 | 0.00 |
| 48 | | 3-Nitroaniline | 0.350 | 0.412 | -17.7 | 98 | 0.00 |
| 49 | C | Acenaphthene | 1.433 | 1.466 | -2.3 | 84 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.170 | 0.180 | -5.9 | 79 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.290 | 0.273 | 5.9 | 80 | 0.00 |
| 52 | | 4-Nitrophenol | 0.170 | 0.157 | 7.6 | 76 | 0.00 |
| 53 | | Dibenzofuran | 1.907 | 1.972 | -3.4 | 84 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.476 | 0.522 | -9.7 | 88 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.295 | 0.302 | -2.4 | 82 | 0.00 |
| 56 | | Diethylphthalate | 1.649 | 1.813 | -9.9 | 90 | 0.00 |
| 57 | S | Fluorene-d10 | 1.405 | 1.480 | -5.3 | 87 | 0.00 |
| 58 | | Fluorene | 1.557 | 1.630 | -4.7 | 86 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.679 | 0.698 | -2.8 | 85 | 0.00 |
| 60 | | 4-Nitroaniline | 0.386 | 0.429 | -11.1 | 98 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.121 | 0.121 | 0.0 | 89 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.126 | 0.0 | 88 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.657 | 0.677 | -3.0 | 86 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.200 | 0.200 | 0.0 | 84 | 0.00 |
| 66 | | Hexachlorobenzene | 0.215 | 0.209 | 2.8 | 84 | 0.00 |
| 67 | | Atrazine | 0.205 | 0.222 | -8.3 | 89 | 0.00 |
| 68 | C | Pentachlorophenol | 0.098 | 0.098 | 0.0 | 99 | 0.00 |
| 69 | | Phenanthrene | 1.127 | 1.162 | -3.1 | 86 | 0.00 |
| 70 | S | Anthracene-d10 | 0.971 | 1.001 | -3.1 | 87 | 0.00 |
| 71 | | Anthracene | 1.156 | 1.202 | -4.0 | 86 | 0.00 |
| 72 | | Carbazole | 0.977 | 1.124 | -15.0 | 89 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.272 | 1.459 | -14.7 | 93 | 0.00 |
| 74 | C | Fluoranthene | 1.046 | 1.212 | -15.9 | 88 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 76 | S | Pyrene-d10 | 1.056 | 1.077 | -2.0 | 86 | 0.00 |
| 77 | | Pyrene | 1.342 | 1.379 | -2.8 | 87 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.623 | 0.736 | -18.1 | 100 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.385 | 0.445 | -15.6 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.170 | 1.231 | -5.2 | 90 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.889 | 1.047 | -17.8 | 98 | 0.00 |
| 82 | | Chrysene | 1.087 | 1.120 | -3.0 | 88 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.374 | 1.770 | -28.8# | 101 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.143 | 1.192 | -4.3 | 90 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.123 | 1.157 | -3.0 | 86 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.946 | 0.973 | -2.9 | 88 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052517\
Data File : BG027125.D
Acq On : 24 May 2017 12:43
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02061

Quant Time: May 25 04:20:34 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 17 05:12:59 2017
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 | 1.125 | 1.147 | -2.0 | 86 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.333 | 1.369 | -2.7 | 88 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.130 | 1.157 | -2.4 | 88 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.106 | 1.127 | -1.9 | 88 | 0.00 |

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