# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027473.D
Acq On : 16 Jun 2017 16:07
Operator : SJ/MA
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SICV84

Quant Time: Jun 16 17:32:24 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 16 16:18:33 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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 0.579 | 0.536 | 7.4 | 91 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.500 | 0.482 | 3.6 | 95 | 0.00 |
| 4 | | Benzaldehyde | 1.268 | 1.502 | -18.5 | 97 | 0.00 |
| 5 | S | Phenol-d5 | 2.169 | 2.116 | 2.4 | 97 | 0.00 |
| 6 | | Phenol | 2.273 | 2.228 | 2.0 | 97 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.478 | 1.487 | -0.6 | 96 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.671 | 1.675 | -0.2 | 95 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.433 | 1.451 | -1.3 | 96 | 0.00 |
| 10 | | 2-Chlorophenol | 1.443 | 1.526 | -5.8 | 99 | 0.00 |
| 11 | | 2-Methylphenol | 1.643 | 1.625 | 1.1 | 98 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.782 | 2.844 | -2.2 | 96 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.696 | 1.717 | -1.2 | 101 | 0.00 |
| 14 | | Acetophenone | 2.621 | 2.672 | -1.9 | 98 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.481 | 1.605 | -8.4 | 104 | 0.00 |
| 16 | | 4-Methylphenol | 1.804 | 1.816 | -0.7 | 99 | 0.00 |
| 17 | | Hexachloroethane | 0.553 | 0.560 | -1.3 | 95 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.145 | 0.154 | -6.2 | 99 | 0.00 |
| 20 | | Nitrobenzene | 0.409 | 0.435 | -6.4 | 100 | 0.00 |
| 21 | | Isophorone | 0.807 | 0.855 | -5.9 | 99 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.154 | 0.164 | -6.5 | 102 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.169 | 0.184 | -8.9 | 102 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.404 | 0.427 | -5.7 | 100 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.496 | 0.511 | -3.0 | 96 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.292 | 0.306 | -4.8 | 100 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.295 | 0.306 | -3.7 | 97 | 0.00 |
| 28 | | Naphthalene | 1.028 | 1.057 | -2.8 | 97 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.369 | 0.456 | -23.6# | 99 | 0.00 |
| 30 | | 4-Chloroaniline | 0.364 | 0.441 | -21.2# | 98 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.181 | 0.187 | -3.3 | 100 | 0.00 |
| 32 | | Caprolactam | 0.130 | 0.138 | -6.2 | 101 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.388 | 0.415 | -7.0 | 99 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.762 | 0.791 | -3.8 | 97 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.592 | 0.586 | 1.0 | 96 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.332 | 0.325 | 2.1 | 101 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.392 | 0.395 | -0.8 | 96 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.408 | 0.422 | -3.4 | 98 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.582 | 1.587 | -0.3 | 96 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.193 | 1.190 | 0.3 | 96 | 0.00 |
| 42 | | 2-Nitroaniline | 0.449 | 0.498 | -10.9 | 106 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.675 | 1.714 | -2.3 | 98 | 0.00 |
| 44 | | Dimethylphthalate | 1.661 | 1.699 | -2.3 | 98 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027473.D
Acq On : 16 Jun 2017 16:07
Operator : SJ/MA
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SICV84

Quant Time: Jun 16 17:32:24 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 16 16:18:33 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 | 0.309 | 0.341 | -10.4 | 105 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.929 | 1.966 | -1.9 | 96 | 0.00 |
| 47 | | Acenaphthylene | 1.933 | 1.970 | -1.9 | 97 | 0.00 |
| 48 | | 3-Nitroaniline | 0.336 | 0.370 | -10.1 | 103 | 0.00 |
| 49 | C | Acenaphthene | 1.348 | 1.363 | -1.1 | 99 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.214 | 0.208 | 2.8 | 107 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.328 | 0.328 | 0.0 | 98 | 0.00 |
| 52 | | 4-Nitrophenol | 0.261 | 0.277 | -6.1 | 102 | 0.00 |
| 53 | | Dibenzofuran | 1.965 | 1.980 | -0.8 | 98 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.473 | 0.521 | -10.1 | 103 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.397 | 0.414 | -4.3 | 102 | 0.00 |
| 56 | | Diethylphthalate | 1.755 | 1.840 | -4.8 | 100 | 0.00 |
| 57 | S | Fluorene-d10 | 1.571 | 1.584 | -0.8 | 98 | 0.00 |
| 58 | | Fluorene | 1.630 | 1.667 | -2.3 | 99 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.820 | 0.824 | -0.5 | 98 | 0.00 |
| 60 | | 4-Nitroaniline | 0.411 | 0.438 | -6.6 | 103 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.124 | 0.120 | 3.2 | 107 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.131 | 0.130 | 0.8 | 106 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.575 | 0.574 | 0.2 | 97 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.203 | 0.200 | 1.5 | 99 | 0.00 |
| 66 | | Hexachlorobenzene | 0.213 | 0.212 | 0.5 | 97 | 0.00 |
| 67 | | Atrazine | 0.220 | 0.230 | -4.5 | 99 | 0.00 |
| 68 | C | Pentachlorophenol | 0.142 | 0.137 | 3.5 | 102 | 0.00 |
| 69 | | Phenanthrene | 1.075 | 1.078 | -0.3 | 97 | 0.00 |
| 70 | S | Anthracene-d10 | 0.933 | 0.949 | -1.7 | 99 | 0.00 |
| 71 | | Anthracene | 1.093 | 1.121 | -2.6 | 98 | 0.00 |
| 72 | | Carbazole | 0.940 | 0.996 | -6.0 | 100 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.162 | 1.243 | -7.0 | 100 | 0.00 |
| 74 | C | Fluoranthene | 1.209 | 1.303 | -7.8 | 99 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 76 | S | Pyrene-d10 | 0.977 | 0.992 | -1.5 | 99 | 0.00 |
| 77 | | Pyrene | 1.182 | 1.220 | -3.2 | 100 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.446 | 0.466 | -4.5 | 104 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.368 | 0.390 | -6.0 | 106 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.114 | 1.133 | -1.7 | 99 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.640 | 0.674 | -5.3 | 102 | 0.00 |
| 82 | | Chrysene | 1.006 | 1.014 | -0.8 | 100 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 84 | | Di-n-octyl phthalate | 1.253 | 1.271 | -1.4 | 104 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.191 | 1.194 | -0.3 | 100 | 0.01 |
| 86 | | Benzo(k)fluoranthene | 1.145 | 1.181 | -3.1 | 102 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.901 | 0.917 | -1.8 | 102 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027473.D
Acq On : 16 Jun 2017 16:07
Operator : SJ/MA
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SICV84

Quant Time: Jun 16 17:32:24 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 16 16:18:33 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 | 1.144 | 1.169 | -2.2 | 103 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.306 | 1.335 | -2.2 | 102 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.121 | 1.138 | -1.5 | 102 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.069 | 1.079 | -0.9 | 101 | 0.00 |

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