# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060717\
Data File : BM010438.D
Acq On : 07 Jun 2017 17:58
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02018

Quant Time: Jun 08 02:20:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 08 01:22:27 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 | 92 | 0.00 |
| 2 | | 1,4-Dioxane | 0.520 | 0.544 | -4.6 | 102 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.487 | 0.488 | -0.2 | 93 | 0.00 |
| 4 | | Benzaldehyde | 1.019 | 1.118 | -9.7 | 97 | 0.00 |
| 5 | S | Phenol-d5 | 1.516 | 1.489 | 1.8 | 95 | 0.00 |
| 6 | | Phenol | 1.554 | 1.511 | 2.8 | 95 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 0.852 | 0.801 | 6.0 | 90 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.078 | 1.058 | 1.9 | 95 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.208 | 1.235 | -2.2 | 95 | 0.00 |
| 10 | | 2-Chlorophenol | 1.212 | 1.227 | -1.2 | 94 | 0.00 |
| 11 | | 2-Methylphenol | 1.134 | 1.131 | 0.3 | 97 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 0.486 | 0.417 | 14.2 | 81 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.223 | 1.199 | 2.0 | 95 | 0.00 |
| 14 | | Acetophenone | 1.995 | 1.986 | 0.5 | 97 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 0.997 | 1.106 | -10.9 | 102 | 0.00 |
| 16 | | 4-Methylphenol | 1.244 | 1.221 | 1.8 | 96 | 0.00 |
| 17 | | Hexachloroethane | 0.550 | 0.575 | -4.5 | 100 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.147 | 0.156 | -6.1 | 99 | 0.00 |
| 20 | | Nitrobenzene | 0.418 | 0.452 | -8.1 | 102 | 0.00 |
| 21 | | Isophorone | 0.644 | 0.710 | -10.2 | 104 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.170 | 0.186 | -9.4 | 103 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.180 | 0.192 | -6.7 | 101 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.418 | 0.449 | -7.4 | 102 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.362 | 0.366 | -1.1 | 95 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.349 | 0.392 | -12.3 | 109 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.342 | 0.382 | -11.7 | 103 | 0.00 |
| 28 | | Naphthalene | 1.003 | 1.007 | -0.4 | 94 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.336 | 0.413 | -22.9# | 125 | 0.00 |
| 30 | | 4-Chloroaniline | 0.325 | 0.376 | -15.7 | 114 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.313 | 0.342 | -9.3 | 104 | 0.00 |
| 32 | | Caprolactam | 0.085 | 0.095 | -11.8 | 119 | 0.01 |
| 33 | C | 4-Chloro-3-methylphenol | 0.329 | 0.382 | -16.1 | 112 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.761 | 0.829 | -8.9 | 102 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.832 | 0.849 | -2.0 | 104 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.558 | 0.480 | 14.0 | 92 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.473 | 0.524 | -10.8 | 115 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.477 | 0.544 | -14.0 | 117 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.622 | 1.686 | -3.9 | 106 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.275 | 1.299 | -1.9 | 106 | 0.00 |
| 42 | | 2-Nitroaniline | 0.325 | 0.383 | -17.8 | 122 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.662 | 1.824 | -9.7 | 117 | 0.00 |
| 44 | | Dimethylphthalate | 1.634 | 1.733 | -6.1 | 114 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060717\
Data File : BM010438.D
Acq On : 07 Jun 2017 17:58
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02018

Quant Time: Jun 08 02:20:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 08 01:22:27 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 | 0.300 | 0.342 | -14.0 | 119 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.939 | 2.060 | -6.2 | 110 | 0.00 |
| 47 | | Acenaphthylene | 1.894 | 1.995 | -5.3 | 109 | 0.00 |
| 48 | | 3-Nitroaniline | 0.289 | 0.288 | 0.3 | 112 | 0.00 |
| 49 | C | Acenaphthene | 1.329 | 1.348 | -1.4 | 107 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.226 | 0.225 | 0.4 | 123 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.249 | 0.252 | -1.2 | 123 | 0.00 |
| 52 | | 4-Nitrophenol | 0.341 | 0.393 | -15.2 | 144 | 0.00 |
| 53 | | Dibenzofuran | 1.965 | 2.074 | -5.5 | 112 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.440 | 0.511 | -16.1 | 124 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.458 | 0.523 | -14.2 | 123 | 0.00 |
| 56 | | Diethylphthalate | 1.581 | 1.743 | -10.2 | 120 | 0.00 |
| 57 | S | Fluorene-d10 | 1.461 | 1.559 | -6.7 | 113 | 0.00 |
| 58 | | Fluorene | 1.611 | 1.717 | -6.6 | 114 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.921 | 0.987 | -7.2 | 113 | 0.00 |
| 60 | | 4-Nitroaniline | 0.302 | 0.275 | 8.9 | 115 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.142 | 0.146 | -2.8 | 132 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.150 | 0.150 | 0.0 | 125 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.583 | 0.615 | -5.5 | 117 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.246 | 0.264 | -7.3 | 118 | 0.00 |
| 66 | | Hexachlorobenzene | 0.258 | 0.260 | -0.8 | 112 | 0.00 |
| 67 | | Atrazine | 0.253 | 0.282 | -11.5 | 137 | 0.00 |
| 68 | C | Pentachlorophenol | 0.164 | 0.165 | -0.6 | 125 | 0.00 |
| 69 | | Phenanthrene | 1.068 | 1.105 | -3.5 | 116 | 0.00 |
| 70 | S | Anthracene-d10 | 0.973 | 1.018 | -4.6 | 118 | 0.00 |
| 71 | | Anthracene | 1.115 | 1.160 | -4.0 | 119 | 0.00 |
| 72 | | Carbazole | 0.943 | 0.925 | 1.9 | 117 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.065 | 1.204 | -13.1 | 130 | 0.00 |
| 74 | C | Fluoranthene | 1.313 | 1.346 | -2.5 | 118 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 76 | S | Pyrene-d10 | 0.827 | 1.011 | -22.2# | 116 | 0.00 |
| 77 | | Pyrene | 1.031 | 1.247 | -21.0# | 113 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.356 | 0.470 | -32.0# | 130 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.393 | 0.367 | 6.6 | 91 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.128 | 1.181 | -4.7 | 102 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.530 | 0.651 | -22.8# | 122 | 0.00 |
| 82 | | Chrysene | 1.020 | 1.052 | -3.1 | 100 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.921 | 1.202 | -30.5# | 106 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.164 | 1.231 | -5.8 | 88 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.112 | 1.185 | -6.6 | 88 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.931 | 0.977 | -4.9 | 86 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060717\
Data File : BM010438.D
Acq On : 07 Jun 2017 17:58
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTD02018

Quant Time: Jun 08 02:20:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 08 01:22:27 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 | 1.154 | 1.182 | -2.4 | 85 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.457 | 1.464 | -0.5 | 83 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.255 | 1.244 | 0.9 | 82 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.201 | 1.203 | -0.2 | 83 | 0.00 |

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